

 cmpdi <i>A Mini Ratna Company</i>	सेन्ट्रल माइन प्लानिंग एण्ड डिजाइन इन्स्टीच्यूट लिमिटेड रिजनल इन्स्टीच्यूट-1, जी. टी. रोड(वेस्ट), आसनसोल-713304 CENTRAL MINE PLANNING & DESIGN INSTITUTE LIMITED Regional Institute – 1, G. t. Road (w), Asansol – 713304 Gram: MINEPLAN; Phone: RD 225-3504 (O), 225-4133 (R), EPABX : (0341) 225 2086/2916/2001/2654, Fax –(0341) 225 0935 CIN- U14292JH1975GOI001223 Email: ri1@cmpdi.co.in	 
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Ref.: CMPDI/RI-1/E&M/2015/1423

Date: 09.12.15.

CORRIGENDUM**SUB. : REWIRING & MODIFICATION OF OFFICE CANTEEN, 02 Nos. D-TYPE , 3 Nos.C-TYPE & 25-BLOCK QUARTERS IN CMPDI, RI-I,ASANSOL**

PLEASE NOTE THAT SOME 1) CORRECTIONS IN SL NOS IN ANNEXURE- I OF PART- I & PRICE BID OF PART-II & 2) INSERTION OF ITEM NO 5 OF PG No. 4 IN ANNEXURE- I OF PART- I & INSERTION OF ITEM NO 4 OF PG NO.2 OF PRICE BID, PART-II IN TENDER PUBLISHED AGAINST REF.NO. CMPDI/RI-1/E&M/2015/1382 DATED 02.12.15 ARE HEREBY DONE. OTHER TERMS & CONDITIONS PUBLISHED ON THE SAID REFERENCE WILL REMAIN UNALTERED.

INCONVENIENCE CAUSED MAY PLEASE BE REGRETTED.

Sealed tenders in **TWO BID** systems are invited from Bonafide / Enlisted / Reputed / Working contractors for **"REWIRING & MODIFICATION OF OFFICE CANTEEN, 02 Nos. D-TYPE, 3 Nos. C-TYPE & 25-BLOCK QUARTERS"** of CMPDI, RI-1, Asansol as per Schedule of requirement/ technical specification in Annexure-I & **TERMS & CONDITIONS**, (Annexure-II) given below:

a) Tender Fee in INR (Non-refundable / Nontransferable)	: ₹ 200/- (Rupees two hundred only)
b) Estimated Cost	: ₹433170.00
b) Earnest Money	: ₹ 4332.00
c) Date of Commencement of sale of Tender Documents	: 09-Dec-15 (from 10.30 AM to 12.00 Noon)
d) Last date of sale of Tender Documents	: 15-Dec-15 up to 12.00 Noon.
e) Due date & time for submission of offers	: 16-Dec-15 up to 01:00 PM.
f) Due date & time of opening of Offers	: 16-Dec-15 at 03.30 PM
g) Due date & time of opening of Price Bid	: Will be communicated to the techno-commercially acceptable bidders separately.
h) Validity Period	: Six months from the date of acceptance of offer
i) Type of Tender	: Two Bid

NOTE:

1. IF THE TENDER IS NOT OPENED ON THE ABOVE DATE, DUE TO UNFORESEEN CIRCUMSTANCES, THEN IT WILL BE OPENED ON THE NEXT WORKING DATE.

SIGNATURE OF THE TENDERER WITH SEAL

- 2. THE BIDDERS WHO FAIL TO SUBMIT THE REQUIRED TENDER FEE AND EMD THEN THEIR TECHNO-COMMERCIAL BIDS WILL NOT CONSIDER FOR OPENING.**
- 3. BIDDER OR THEIR AUTHORIZED REPRESENTATIVES MAY ATTEND THE OPENING OF THE TENDER. AUTHORISED REPRESENTATIVE MUST PRODUCE A POWER OF ATTORNEY IN HIS FAVOUR.**

Tender document can be obtained from the office of **Sr. Mngr.(E&M)**, CMPDI, RI-1, Asansol during **10.30 AM to 12.00 Noon** on all working days from **09-Dec-15** to **15-Dec-15** on remittance of tender fee (**Nonrefundable / Nontransferable**) either by crossed DD drawn in favour of "CMPDI Ltd., Regional Institute, Asansol" on any Nationalised / Scheduled Bank payable at Asansol preferably on "State Bank of India" or in the form of money receipt issued by the Cash Section, CMPDI, RI-1, Asansol in support of deposition of requisite money with him.

Tender documents can also be downloaded from CMPDI'S website **www.cmpdi.co.in** & Government of India website **www.tender.gov.in** during the period from **09-Dec-15** to **15-Dec-15**. In case of tender document obtained by downloading from Website, cost of tender document shall have to be deposited by the bidder in the form of "**Demand Draft**" drawn in favour of "**CMPDI Ltd., Regional Institute, Asansol**" on any Nationalised / Scheduled Bank payable at Asansol preferably on "**State Bank of India**". Bidders shall be solely responsible for the correctness of the downloaded tender documents.

In case of any discrepancy between the tender documents downloaded from the website and the master copy available in the office, the latter shall prevail and will be binding on the bidders. **No claim on this account will be entertained.**

Duly filled in sealed offer in two parts is to be dropped in the nominated "**TENDER BOX**" kept in the office of the **Sr. Mngr. (E&M)** CMPDI, RI-1, Asansol upto **1.00 p.m.** on **16-Dec-15** and Part - I of the tenders shall be opened at **3.30 p.m.** on the same day in presence of the attending tenderers or their authorised representatives in **Mini conference hall** CMPDI, RI-1, Asansol.

Sr. Mngr. (E&M)

DISTRIBUTION:-

1. RD, RI-1, Asansol.
2. Committee Member, RI-1, Asansol.
3. HOD (Fin), RI-1, Asansol.
4. OIC (P&A), CMPDI, RI-1, Asansol, with a request to arrange for display in the NOTICE BOARD.
5. CGM (E&M), ECL, Sanctoria with a request to arrange for display in the NOTICE BOARD.
6. Exec. Engr., PWD, Court Road, Asansol with a request to arrange for display in the NOTICE BOARD.
7. Manager, UBI, Apcar Garden, Asansol with a request to arrange for display in the NOTICE BOARD.
8. Asst. General Manager, SBI, Asansol with a request to arrange for display in the NOTICE BOARD.
9. Exec. Engr., PHE, Chelidanga, Asansol with a request to arrange for display in the NOTICE BOARD.
10. Office Copy
11. Guard File

**TENDERERS THOSE WHO HAVE DOWNLOADED THIS TENDER DOCUMENT FROM CMPDI/
GOVERNMENT OF INDIA WEBSITE.**

This is to certify that I/we have downloaded this tender document from CMPDIL/Government of India Website and I/we are submitting without tampering at any page. Further, I/we understood that in the event of such tampering is detected at any stage or any time CMPDIL have got right to reject/terminate my/our offer/work, forfeit the EMD/Security deposit submitted by us and my/our firm can be blacklisted.

(SIGNATURE OF TENDERER WITH SEAL AND DATE)

SCHEDULE OF QUANTITY**ANNEXURE - I**

(A) Rewiring & modification of power supply arrangements of office canteen in CMPDI, RI-1, Asansol.

S/N	Description	Qty.	Unit	Make
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.			
1.1	Group A	17	Point	
2	Supplying fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.			
2.1	5/6 amps switch	5	Each	
2.2	3 pin 5/6 amp socket outlet	5	Each	
2.3	15/16 Amp Switch	8	Each	
2.4	6 Pin 15/16 Amp Socket outlet	8	Each	
3	Supplying & fixing stepped type electronic fan regulator on existing modular plate (switch box including connections but excluding modular plate) etc. as required.	3	Each	
4	Wiring for light / power plug with 2X4 sq. mm. FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along 1 No. 4 sq. mm. FR PVC insulated copper conductor single core cable for loop earthing as required.	70	Metre	
5	Wiring of circuit /submain wiring along with earth wire with the following size of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. Make- Finolex, Havells or equivalent.			
5.1	2x2.5 sq.mm+1x2.5 sq.mm earth wire	40	Metre	
6	Supply of rewirable switch fuse unite (conforms to IS/IEC 60947-1 & 3) in sheet steel enclosure, 240V, 50 Hz, AC-23, single pole & neutral, 32 Amps rating.	1	No.	
7	Supplying and fixing following size/modules, GI box along with modular base & cover			
7.1	3 Module (100mmx75mm)	13	each	

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S/N	Description	Qty.	Unit	Make
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts on surface /recess, complete with tinned bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required.(But without MCB/RCCB/Isolator)			
8.1	2+12way, Double door	1	each	
9	Retrofit LED tube, lumen output 1600 lumens,1200mm,20W	12	No.	
10	Mounting rail for TLED lamps (Double tube per frame)	6	No.	
11	Supply of 26 W, CFL complete with wall mounted bulk heated fixture with all accessories of approved make.	6	No.	
12	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
12.1	Single pole (20 A - 8 No. + 10 A - 4 No.)	12	Each	
13	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5 sq. mm FR PVC insulated copper conductor, single core cable and earthing etc.as required.	12	each	
	Total(A)			
(B) Rewiring and modification of 02 nos. D-Type quarters (2A&2B) in CMPDI,RI-1Asansol				
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FR PVC insulated copper conductor single core cable etc as required.			
1.1	Group C	60	Point	

S/N	Description	Qty.	Unit	Make
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	200	Metre	
3	Wiring for circuit / submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.			
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	260	Metre	
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
4.1	3 Module (100mm X 75mm)	26	Each	
5	SP 5/6 amps, one way modular switch, ISI marked	16	Each	
6	SP 15/16 amps, one way modular switch, ISI marked	10	Each	
7	3 pin 5/6 amps modular socket outlet, ISI marked	16	Each	
8	6 pin 15/16 amps modular socket outlet, ISI marked	10	Each	
9	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)			
9.1	2+12way, Double door	2	Each	
10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			

S/N	Description	Qty.	Unit	Make
10.1	Single pole (20 A - 10 No. + 10 A - 14 No.)	24	Each	
11	Supplying & fixing stepped type electronic fan regulator on existing modular plate (switch box including connections but excluding modular plate) etc. as required.	12	Each	
12	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.			
12.1	Up to 450 mm sweep	2	Each	
13	Telephone Socket outlet modular type	2	Each	
14	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.			
14.1	2 Pair	40	Each	
15	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	40	Each	
16	T.V. Socket outlet modular type	2	Each	
17	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
17.1	40 amps	2	Each	
18	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
18.1	40 amps	2	Each	
19	Sheet steel DP MCB enclosure	2	Each	
20	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.			
20.1	100 mm X 100 mm X 60 mm deep	20	Each	
	Total(B)			

S/N	Description	Qty.	Unit	Make
(C) Rewiring and modification of 03 nos. "C" type quarters.				
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.			
1.1	Group A	12	Point	
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	30	Metre	
3	Wiring for circuit / submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.			
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	30	Metre	
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
4.1	3 Module (100mm X 75mm)	9	Each	
5	SP 5/6 amps, one way modular switch, ISI marked	6	Each	
6	SP 15/16 amps, one way modular switch, ISI marked	3	Each	
7	3 pin 5/6 amps modular socket outlet, ISI marked	6	Each	
8	6 pin 15/16 amps modular socket outlet, ISI marked	3	Each	

S/N	Description	Qty.	Unit	Make
9	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)			
9.1	2+8way,Single door	1	Each	
10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
10.1	Single pole (20 A - 3 No. + 10 A - 3 No.)	6	Each	
11	Supplying & fixing stepped type electronic fan regulator on existing modular plate (switch box including connections but excluding modular plate) etc. as required.	4	Each	
12	Telephone Socket outlet modular type	1	Each	
13	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required.			
13.1	2 Pair	10	Meter	
14	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	10	Meter	
15	T.V. Socket outlet modular type	1	Each	
16	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Rating 25A	1	Each	

S/N	Description	Qty.	Unit	Make
17	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Rating 32 A.	1	Each	
18	Sheet steel DP MCB enclosure	1	Each	
19	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.			
19.1	100 mm X 100 mm X 60 mm deep	5	Each	
	Total(C)			
(D) Rewiring & modification of 16 nos. "A" Type quarters (Block no. 25)				
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet ,suitable MS box and earthing the point with 1.5 sq. mm.FR PVC insulated copper conductor single core cable etc as required.			
1.1	Group A	8	Point	
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	10	Metre	
3	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.			
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	12	Metre	
4	Supplying and fixing following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. Switches in recess etc. as required.			
4.1	75mmx75mmx60mm deep	4	Each	

S/N	Description	Qty.	Unit	Make
5	Supplying and fixing following piano type switch/ socket on the existing switch box /cover including connection etc.as required.			
5.1	5/6 Amp switch	3	Each	
5.2	3 pin 5/6 Amp socket outlet	3	Each	
5.3	15/16 Amp switch	1	Each	
5.4	6 Pin 15/16 amps socket outlet	1	Each	
6	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
6.1	Single pole (20 A - 1 No. + 10 A - 2No.)	3	Each	
7	Electronic regulator for fan (heavy duty socket type) 100 watt,240 V	2	No.	
8	Rewirable switch fuse unit (conforms to IS/IEC 60947-1&3, AC-23A), Single pole & neutral, Rating 20 Amp ,240 V & 50 Hz(side handle version)	1	Nos.	
9	Supplying and fixing following way, single pole and neutral, sheet steel, MCB Distribution board ,240V, on surface recess, complete with tinned copper bus bar, din bar inter connections, powdered painted including earthing etc.as required. (But without MCB/RCCB/Isolator			
9.1	2+4way,single door	1	Each	
10	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Rating 20A.	1	Each	

SCOPE OF WORK:

Power at 415 V shall be made available in a power Distribution Board in the building. This shall be in scope of the Purchaser.

The scope of work for the bidder is as under :

Supply, erection and commissioning of cabling and wiring system including cable trays, conduits, cables and cable trenches with Civil works as per requirements.

Supply, erection and commissioning of earthing system including frame earthing, neutral earthing, earthing of cable armouring and junction boxes, metallic stairs and hidden rails and other non-current carrying metallic parts, including GI strips, MS rods, GI wires including Civil works.

Supply, erection and commissioning of illumination system including switch boxes, lighting fixtures, lamps, junction boxes, lighting distribution boards (LDBs), Sub lighting distribution boards (SLDBs), fans and wiring from switch boxes to fixtures.

Supply, erection and commissioning of Power Distribution Boards (PDBs), Sub power distribution boards (SPDBs), switch boxes and power receptacles and wiring from switch boxes to fixtures.

Supply, erection and commissioning of protection system against lightning including civil works.

The entire execution shall comply with statutory rules, standard codes of installation, safety and maintenance facility.

UTILISATION VOLTAGES:

S/N.	Purpose	Rated Voltage
a)	Lighting	: 230 V AC
b)	Air Conditioners	: 230 / 415 V AC

415 V / 230 V Power Supply System:

Supply system voltage	: 415 V $\pm$ 10%, 3 Ph. Neutral
	: 230 V $\pm$ 10%, 1 Ph. Neutral
Supply system frequency	: 50 Hz $\pm$ 3%
Combined voltage & frequency variations	: $\pm$ 10%
System Neutral	: Solid earthed

GENERAL GUIDANCE FOR SUPPLY AND ERECTION & COMMISSIONING

1. The electrical equipment / installations / designs shall comply with the requirements of the following:
 - i) The Indian Electricity Rules
 - ii) The Indian Electricity Act
 - iii) The Indian Electricity (Supply) Act
 - iv) The Indian Factories Act
 - v) Tariff Advisory Committee Regulations
 - vi) National Electricity Code
 - vii) National Fire Code (NFPA- 850).
2. Cabling System
 - 1) The cables shall run in PVC conduits or on surface of the wall by proper saddling.
 - 2) In case of point wiring for light and points, the cables from junction boxes to switchboards and points shall run on in conduits or PVC casing (as applicable) with FR PVC cables 650 V/1100 V grade single core, copper, 1.5 sq.mm.
 - 3) All cables shall be of Copper conductor.
3. Earthing System
 - 1) Earthing system must comply with the provisions of the Indian Electricity Rule and shall be generally guided by IS: 3043.
 - 2) All medium voltage equipment shall be earthed by two separate and distinct connections with earth.
 - 3) As far as possible, all earth connections shall be visible for inspection.
 - 4) Earth system shall be so constructed that the testing of the individual earth electrode is possible.
 - 5) No cut out, link or switch other than a linked switch arranged to operate simultaneously on the earthed or earthed neutral conductor and the life conductors shall be inserted in the power system.
4. Point Wiring

For wiring beyond junction boxes, i. e. junction boxes to switch boxes and switch boxes to light and fan points, it shall be executed by the bidder on point wiring basis. For this, bidder has to quote rate per running meter per point including supply of switch boxes, with 5A Modular switch, FR PVC wire 650 V grade, single core copper, conduits/PVC casing (as applicable), ceiling rose. The rate quoted shall include erection and commissioning charges including all applicable taxes and incidental charges if any.

SPECIFICATION FOR SWITCH BOARDS FOR LIGHTING CIRCUITS

1.0 Scope

This covers requirements for switch boards for tube light & fan circuits.

2.0 Codes:

The applicable codes are as under:

IS	:	1293	3-Pin, plug and socket outlets
IS	:	3954	Switches for domestic and similar purposes
IS	:	694	PVC unarmored 650 V/1100V grade cable
IS	:	5133	Boxes for enclosure of electrical accessories – Steel and cast iron boxes
IS	:	9224	Low voltage fuses

3.0 Construction

3.1 Switch Boards

- i) The switch boards shall be made of 1.6 mm thick, MS sheet with 3 mm, thick decorative bakelite cover. The switch boards shall be provided with earthing terminal, mounting holes and screws, specified number of conduit knock outs on both sides etc. The switch boards shall be suitable for concealed wiring. The switchboards shall mount modular type switches and sockets (but in "A" type quarters of block No.-25, approved piano type switch & socket shall be mounted in phenolic laminated sheet)
- ii) The sockets shall be of 5 pin type 5/6 - 15/16 A, 230 V AC socket.
- iii) The switch boards shall be adequately sized to accommodate switches/fan regulators/sockets. All switch boards mounted items shall be fully wired by 650 V grade PVC insulated flexible Copper wire.
- iv) All in-coming and out-going wires shall be suitable for loop in loop out of 4 sq.mm stranded Cu wire and tap of 1.5 mm² copper wire. (FR)

ANNEXURE - II**TERMS & CONDITIONS:****1. MODE & METHOD OF SUBMISSION OF TENDER**

The bidders must submit their offer i.e. **PART – I** and **PART – II** up to the scheduled time and date.

PART – I

Contain all Techno-Commercial terms & Conditions except **PRICE**.

SECTION - A:

- a) Consisting of technical offer.

SECTION - B:

- a) Commercial Terms & Conditions.
- b) Earnest Money should be deposited in a separate envelope super scribing '**EARNEST MONEY DEPOSIT' (EMD)** and not inside the envelope containing **PART-I & II** of the bid.
- c) **EMD** should be either in the form of Bank Draft or deposit of cash. Bank Draft should be drawn in favour of CMPDI LTD., Regional Institute, Asansol on any scheduled bank payable at Asansol preferably on "State Bank of India"/ for cash deposit towards Earnest Money, cash will be accepted by Cash Office on all working days from **10.30 AM to 12.30 PM** from **9-Dec-15** to **15-Dec-15** for which Money Receipt will be issued.
- d) In case Earnest Money is not submitted, the offer shall be **out-rightly rejected** without any reference on this subject. EMD shall be refunded to the unsuccessful bidder on request and on production of original money receipt immediately after finalisation and award of the tender.
- e) For successful bidder EMD will be converted to Security Money which will be refunded to the firm on certification after completion of **1 (one) year** Warranty Period. The deposits like Earnest Money will not carry any interest during its period of retention.

THE DEPOSITS LIKE EARNEST MONEY MAY BE FORFEITED:-

- i) If any bidder withdraws their offer after tender opening during the period of tender validity.
- ii) If the bidder fails to execute the order job after acceptance of order within the specified time limit or does not fulfill any of the terms & conditions.
- f) CMPDI is not responsible for non-receipt/delayed receipt of tender documents.
- g) The offer shall be rejected if any tampering in the tender document is found to be done at the time of opening the offer.

- h) For the bidders who download the tender documents, Bank Draft towards the cost of tender documents as above shall be submitted in a separate envelope marked "**COST OF TENDER DOCUMENTS**" and not with **PART - I / EMD**.

PART- II

- a) The second part of the tender shall consist of details of **PRICES ONLY**. The price bids of only those bidders whose offer in **PART-I** is found to be techno-commercially acceptable will be opened.
- b) **ENVELOPE NO.1** (PART-I, Section-A&B) containing techno-commercial bid and the **ENVELOPE NO.2** (PART-II) containing price bid, **ENVELOPE NO.3** (EMD) and **ENVELOPE NO.4** (cost of Tender Document in case of bidders using down loaded Tender Document) should be properly sealed and put inside a bigger envelope. All the three envelopes (four envelopes in case of bidders using down loaded Tender Document) should bear the Tender no., Date & Time of Opening and should also indicate the heading i.e. **PART-I, TECHNO-COMMERCIAL BID, EMD RECEIPT** and **PART – II, PRICE BID**. All the envelopes should be properly sealed and super-scribed with "**REWIRING & MODIFICATION OF OFFICE CANTEEN, 02 Nos. D- TYPE , 3 Nos. C-TYPE & 25-BLOCK QUARTERS IN CMPDI, RI-I, ASANSOL.**" of CMPDI, RI-I, Asansol, the Tender No., Date & Time of Opening and should be inserted in a bigger envelope, giving details of the Tender No. and the Date and Time of Opening of the tender and dropped in the nominated '**TENDER BOX**' kept in the office of the **Sr. Mngr.(E&M)**, CMPDI, RI-1, Asansol.

IF BIDDER DISCLOSE ITS PRICE IN THE TECHNO-COMMERCIAL BID (PART - I), THE OFFER WILL BE RESEALED AND WILL BE TREATED AS INVALID OFFER BY THE TENDER OPENING COMMITTEE.

2. Tender cannot be accessed on-line after the **DUE DATE** and **TIME** of submission stipulated above.

3. ELEGIBILITY CRITERIA

The intending tenderer must have in its name as a prime contractor experience of having successfully completed similar works (as defined in the tender document) during last **10 (Ten)** years ending **30th November, 2015** should be either of the following :

"Three similar completed works each costing not less than 40% of estimated cost or

"Two similar completed works each costing not less than 50% of estimated cost or

"One similar completed work costing not less than 80% of estimated cost."

4. The offer shall be accompanied with the copies of :-
- Electrical supervisor's certificate of competency
 - Electrical workmen's permit
 - VAT Registration Certificate
 - Valid Trade License, as may be applicable
 - PAN No.

- f) Service Tax Registration No. (If not registered reasons to be stated on Notarized Affidavit).
- g) Credentials for experience with supporting documents.
5. The rates shall be quoted as per the price bid format i.e. **Annexure - VI**.
6. The price quoted must be firm and offers must remain open for acceptance for six months from the due date of opening of the quotation.
7. If any of the following discrepancies is detected in the price bid, the bids will be corrected and considered as under :-
- **Discrepancy between words and figures:** the rate quoted by the Bidder(s) in words shall be taken as correct.
 - **Discrepancy in the amount quoted by the Bidder due to calculation mistake of the unit rate and the quantity:** the unit rate will be considered as firm and final and the extended value (i.e. unit rate x quantity) will be corrected accordingly.
 - **Discrepancy in totaling or carry forward:** the amount quoted by the Bidder shall be corrected.
8. Price Bid of the offer so corrected and altered shall be substituted for the original offer, for evaluation with the offers of other Bidders
9. The tenders of those bidders whose motto is to offer different prices or change the terms which affects the quoted price of the firm within the validity of the offer shall be treated as invalid offer and the action against such bidder will be taken as per **CIL RULES / PROCEDURE**.
10. No Deviation for the terms and conditions of the NIT shall be accepted, Conditional bid shall be outright rejected.
11. **NOTE**
- a. **ALL PAGES OF THE OFFER ALONG WITH THE ENCLOSURES ARE TO BE SUBMITTED DULY SIGNED AND STAMPED.**
 - b. **TENDERS ERASED, CUTTING AND OVER WRITTEN WILL BE SUMMARILY REJECTED UNLESS CORRECTION IS AUTHENTICATED WITH THE BIDDER'S SIGNATURE.**
12. Offers received after the submission time of the due date of the tender shall not be accepted.
13. **SECURITY DEPOSIT**
- Total SECURITY DEPOSIT will be 10% of the Contract Value and same shall be as under:-**
- (a) Before execution of the contract, the successful Bidder i.e. Contractor shall deposit with the company a sum equal to **5 % OF THE CONTRACT VALUE** after ADJUSTMENT OF EMD AS PERFORMANCE SECURITY. PERFORMANCE SECURITY DEPOSIT shall be submitted in the form of Demand Draft drawn in favour of CMPDI Ltd., Regional Institute, Asansol on any Nationalised/Scheduled Bank payable at Asansol preferably on STATE BANK OF

INDIA, in the form of money receipt issued by the Cash Section, CMPDI, RI-1, Asansol in support of deposition of requisite money with him or in the form of Bank Guarantee given in **Annexure-III**.

- (b) If performance security is provided by the successful bidders in the form of bank guarantee it shall be issued at Bidder's option by a nationalized / Scheduled Indian Bank.
- (c) Bank Guarantee shall be valid up to ninety (90) days after the end of Guarantee Period.
- (d) The remaining **5 %** of SECURITY DEPOSIT is towards RETENTION MONEY and same shall be deducted from the BILL.

The SECURITY DEPOSIT will be refunded on SUCCESSFUL COMPLETION OF WORK AND AFTER EXPIRY OF WARRANTY PERIOD on application if the performance of the work found satisfactory during this period. The SECURITY DEPOSIT will not carry any interest.

14. EXEMPTION FROM EMD/SECURITY DEPOSIT

Submission of Tender Fee, EMD and Security Deposit is exempted in case of the following:

1. Central / State Government Organisation / PSU.
2. Firms registered with NSIC / DGS&D for tendered item(s) against submission of valid registration certificate. Copies of DGS&D / NSIC Registration submitted by the bidders should be self-attested and duly notarised.
3. Firms registered under MSME Development Act 2006 as Micro or Small Enterprise for the tendered item(s) are exempted from submission of EMD only. Copy of MSME registration submitted by the Bidders should be self-attested and duly notarised.

NOTE:

However, NSIC Registered firms shall be exempted from Security Deposit only up to their monetary limit, if any, indicated in the NSIC registration certificate. In case value of order placed is above such monetary limit indicated in the registration certificate, the successful Bidder shall have to furnish the Security Deposit over and above such monetary limit.

15. PAYMENT TERMS

Payment of the billed amount after deducting retention money (i. e. 5% of bill amount) shall be made after successful completion of job at site.

CMPDI is effecting payment to suppliers through Electronic Fund Transfer (EFT). Bidders are required to submit their mandate form for e-payment, as per **Annexure - II** in triplicate, with original Signature and stamp, along with Part-I of the offer. (Not applicable for the Bidders already registered with CMPDI for e-payment) or else Cheque Payment can also be made as per option of the bidder.

16. SUBMISSION OF BILL

Pre-receipted bill in duplicate along with Warranty Certificate are to be submitted to **Sr.Mngr.(E&M), the payment shall be made by A/C payee cheque only.**

17. COMPLETION

The job should be completed within **1 Month** from the date of issue of work order, which will be communicated through email / Post.

18. WARRANTY

You have to provide **1 (one) year** Warranty w. e. f. date of completion of job against trouble free operation of the System.

19. PENALTY

A sum not exceeding 2% per month of the job value which have not been completed for each month or part of the month during the execution of the work subject to maximum of 10% of work value will be recovered from the bill of the party unless subsequent extension of time of completion of work is granted by the Company in writing.

20. CMPDI, RI-1 RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL OFFERS IN PART OR IN FULL WITHOUT ASSIGNING ANY REASON THEREOF. NO DISPUTE OF ANY KIND CAN BE RAISED AGAINST THIS RIGHT OF THE BUYER IN ANY COURT OF LAW OR ELSEWHERE. NO CORRESPONDENCE WILL BE ENTERTAINED IN THIS REGARD.

21. *ALL DISPUTES ARE SUBJECTED TO ASANSOL COURT JURISDICTION ONLY.*

ANNEXURE – III**PART- I OF THE BID**

To,
The Regional Director,
CMPDI, RI-1,
G.T. Road (West),
Asansol – 713 304.

Dear Sir,

Sub. : REWIRING & MODIFICATION OF OFFICE CANTEEN, 02 Nos. D-TYPE , 3 Nos.C-TYPE & 25-BLOCK QUARTERS IN CMPDI, RI-I,ASANSOL

Ref. : Your Tender No. : CMPDI/RI-1/E&M/2015/1727, Dated 14-Jan-15

With reference to the above referred NIT we are pleased to furnish PART – I of the BID with the following details.

1.	Name and full address of the Firm of Electrical Contractor / Bidder along with Telephone No. / Mobile No. / FAX No. and e-mail ID (if any)	:	
2.	Name and address of the owner of the Firm	:	
3.	Whether Private/Partnership Firm [If, Partnership Firm, Self-attested photo copy of Deed to be enclosed]	:	
4.	Details of Earnest Money, Cash Receipt No. & Date/ Submitting with PART-I D. D. No., Date, Name of the Bank & Branch Name, Amount:..... Issuing Bank & Branch:	:	
5.	VALIDITY OF OFFER	:	180 days from the date of opening of PART-I of the BID
6.	PAYMENT TERMS	:	As per NIT
7.	Valid Electrical Contractor's License	:	
8.	License No., Date & Valid upto	:	
9.	Category/Class Issuing Authority	:	
10.	Name & Address of Supervisor	:	
11.	Supervisor License No., Date Eligible to work in HT Line at Surface/UG Valid upto	:	
12.	Wireman License No. & Date	:	
13.	Valid upto	:	
14.	Signed copy of all the pages of NIT Terms and conditions as a token of acceptance of the same	:	YES/NO
15.	PAN No. with a copy of certificate	:	

SIGNATURE OF THE TENDERER WITH SEAL

-
16. VAT Registration Certificate No. [Self-attested photocopy of VAT Certificate & Sales Tax Clearance Certificate to be enclosed] :

 18. Service Tax Reg. No. with a copy of Certificate (If not registered reasons to be stated on Notarized Affidavit) :

 19. Valid Trade License :

 20. Whether working contractor, if so Since when :

 21. Credential (Copy of work order for similar nature of Work with successful Completion Certificate).

 22. Price Bid as per PRICE BID FORMAT, **Annexure - VI** : Submitted in separate envelope as PART- II of BID

 23. I accept all the terms and conditions along with payment terms of NIT :

Note: Self attested Photo copies of Electrical Contractor's License, Supervisor License, Wireman Certificate, PAN No., VAT Registration No., and Service Tax Registration No. Credential along with Completion Certificate etc. shall be submitted along with Part-I bid of the offer.

ANNEXURE - IV**e - PAYMENT**

To
Central Mine Planning & Design Institute Ltd.,
RI-1, G. T. Road (W),
Asansol – 713 304, West Bengal

Dear Sir,

Ref. : Authorization of all our payment through electronic fund transfer system/RTGS/CBS/ Intra Bank Transfer.

We hereby authorize CMPDI Limited to make all our payments against our bills, Refund of Earnest Money Deposit and Security Deposit, through Electronic Fund Transfer System/RTGS/CBS/Intra Bank Transfer. The detail for facilitating the payments are given below.

(TO BE FILLED IN CAPITAL LETTERS)

1. Name of the Beneficiary :

2. Address :

City..... PIN CODE.....

e-mail ID

Telephone No. (with STD Code)
.....

Mobile No.

3. Bank Particulars

Bank Name :

Branch Name : Bank Code Branch :

Branch Address :

: PIN CODE

: Telephone No. (with STD Code)
.....

: FAX No. (with STD Code)
.....

9 digit MICR Code of the Bank Branch :
(Enclosed copy of a cancelled cheque)

11 digit IFSC Code of beneficiary :
Branch

Bank Account Number :

Bank Account Type (Tick : ☐ SAVING ☐ CURRENT ☐ LOAN
One)

☐ CASH CREDIT ☐ OTHERS (If Other, Specify)

4. Permanent Account Number (PAN) :

5. CMPDI Vendor Code :

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected at all for reasons of incomplete or incorrect information, I/we would not hold the Company responsible. We also agree to bear the bank charges, if any for enabling such transfer.

SIGNATURE
(AUTHORISED SIGNATORY)

Name

Date

.....

(Official Stamp)

BANK CERTIFICATION

It is certified that above mentioned beneficiary holds a Bank Account No. with our branch and the Bank Particulars mentioned above are correct.

SIGNATURE
(AUTHORISED SIGNATORY)

Name

Date

.....

(Official Stamp)

ANNEXURE - V**BANK GUARANTEE PROFORMA FOR PERFORMANCE GUARANTEE***(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT)*

(To be issued by any Nationalised/Scheduled Bank authorised by RBI to issue a bank guarantee)

To,
 M/s. Central Mine Planning & Design Institute Limited,
 Regional Institute - I
 G. T. Road (West End), Asansol
 Dist: Burdwan, PIN – 713 304

Dear Sirs,

1. In consideration of "Central Mine Planning & Design Institute Limited, Regional Institute - I " having its Registered Office at Asansol (hereinafter called "the Company" which expression shall unless repugnant to the subject or context includes its successors and assigns) having agreed under the terms and conditions contained in, for the work "....." issued in favour of M/s..... for (hereinafter referred to as " the Bid" to accept the Deed of guarantee as herein provided for ₹..... from the Schedule/Nationalised Bank in lieu of Bids/Earnest Money deposit to be made by M/s.....(hereinafter called "the tenderer ") or in lieu of Demand draft of equal amount, for the due fulfillment of the terms and conditions contained in the said Bid documents by the Tenderer, we the.....Bank(hereinafter referred to as the said Bank) having its Registered Office at do hereby undertake and agreed to pay the company to the extent of Rs..... on demand stating that the amount claimed by the company is due and payable by the Tenderer for the reasons of failure/negligence in performing the terms and conditions contained in the contract /Bid by the buyer and to unconditionally pay the amount claimed by the company on demand without any demur to the extent aforesaid.
3. We..... Bank agree that the company shall be the sole judge as to whether the said Tenderer has failed/neglected in performing any of the terms and conditions of the said contract/Bid and the decision of the company in this behalf shall be final and binding on us.
4. We the said Bank further agree that the Guarantee herein contained shall remain in full force and effect upto 365 (three hundred sixty five) days on and from..... and any claim received after the said date shall in no case bind the Bank.
5. The Company shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee or indemnity from time to time vary any of the terms and conditions of the said Bid document or to extend the time of performance by the said

Tenderer or to postpone any time and from time to time any of the powers exercisable by it against the said Tenderer and either to enforce or to forbear from enforcing any of the terms and conditions governing the said Bid document or securities available to the company and the said Bank shall not be released from its liability under these presents.

6. Notwithstanding anything contained herein the liability of the said Bank under this guarantee is restricted to ₹.....and this Guarantee shall come into force from the date hereof and shall remain in full force and effect till 365 (three hundred sixty five) days on and from unless the written demand or claim under this guarantee is made by the Company with us on or before expiry of 365 (three hundred sixty five) days on and fromall rights of the company under this guarantee shall cease to have any effect and we shall be relieved and discharged from our liabilities hereunder.
6. We the said Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing and agree that any change in the constitution of the said Tenderer or the said Bank shall not discharge our liability hereunder.
7. This guarantee issued by Sri.....who is authorized by the Bank.
8. **All disputes are subject to Asansol Court Jurisdiction Only.**

ANNEXURE - VI

PART II

PRICE BID

Name of work : REWIRING & MODIFICATION OF OFFICE CANTEEN, 02 Nos. D-TYPE , 3Nos. C-TYPE & 25-BLOCK QUARTERS IN CMPDI, RI-I,ASANSOL

Tender No. : CMPDI/RI-1/E&M/2015/1423

Dated 09.12.15

ELECTRICAL WIRING:

(A) Rewiring & modification of power supply arrangements of office canteen in CMPDI, RI-1, Asansol.

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost (₹)	Make
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc. as required. Make-Finolex or equivalent					
1.1	Group A	17	Point			
2	Supplying fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make-Finolex, standard or equivalent					
2.1	5/6 amps switch	5	Each			
2.2	3 pin 5/6 amp socket outlet	5	Each			
2.3	15/16 Amp Switch	8	Each			
2.4	6 Pin 15/16 Amp Socket outlet	8	Each			
3	Supplying & fixing stepped type electronic fan regulator on existing modular plate	3	Each			

SIGNATURE OF THE TENDERER WITH SEAL

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
	(switch box including connections but excluding modular plate) etc. as required. Make- Finolex, Standard or equivalent.					
4	Wiring for light / power plug with 2X4 sq. mm. FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along 1 No. 4 sq. mm. FR PVC insulated copper conductor single core cable for loop earthing as required.	70	Meter			
5	Wiring of circuit /submain wiring along with earth wire with the following size of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. Make- Finolex, Havells or equivalent.					
5.1	2x2.5 sq.mm+1x2.5 sq.mm earth wire	40	Metre			
6	Supply of rewirable switch fuse unite (conforms to IS/IEC 60947-1 & 3)in sheet steel enclosure,240V, 50 Hz,AC-23, single pole & neutral,32 Amps rating. Make-Standard, Havells or equivalent.	1	No.			
7	Supplying and fixing following size/modules, GI box along with modular base & cover. Make-Standard, Finolex or equivalent					
7.1	3 Module (100mmx75mm)	13	each			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts on surface /recess, complete with tinned bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required.(But without MCB/RCCB/Isolator). Make-Standard, L&T or equivalent					
8.1	2+12way, Double door	1	each			
9	Retrofit LED tube,lumen output 1600 lumens,1200mm,20W.Make-Philips, Bajaj or equivalent	12	No.			
10	Mounting rail for TLED lamps (Double tube per frame) Make-Philips, Bajaj or equivalent.	6	No.			
11	Supply of 26 W, CFL complete with wall mounted bulk heated fixture with all accessories of approved make. Make-Philips, Bajaj or equivalent.	6	No.			
12	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make-Standard, L&T or equivalent					
12.1	Single pole (20 A - 8 No. + 10 A - 4 No.)	12	Each			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
13	Installation, testing and commissioning of prewired fluorescent fitting/compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5 sq. mm FR PVC insulated copper conductor, single core cable and earthing etc.as required.	12	each			
	Total(A)					
(B) Rewiring and modification of 02 nos. D-Type quarters (2A&2B) in CMPDI,RI-1Asansol						
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm. FR PVC insulated copper conductor single core cable etc as required. Make- Finolex, Havells or equivalent.					
1.1	Group C	60	Point			
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required. Make- Finolex, Havells or equivalent.	200	Metre			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
3	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required. Make- Finolex, Havells or equivalent.					
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	260	Metre			
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required. Make-Standard, Finolex or equivalent					
4.1	3 Module (100mm X 75mm)	26	Each			
5	SP 5/6 amps, one way modular switch, ISI marked	16	Each			
6	SP 15/16 amps, one way modular switch, ISI marked	10	Each			
7	3 pin 5/6 amps modular socket outlet, ISI marked	16	Each			
8	6 pin 15/16 amps modular socket outlet, ISI marked	10	Each			
9	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator). Make-Standard, L&T or					

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
	equivalent					
9.1	2+12way,Double door	2	Each			
10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.). Make-Standard, L&T or equivalent					
10.1	Single pole (20 A - 10 No. + 10 A - 14 No.)	24	Each			
11	Supplying & fixing stepped type electronic fan regulator on existing modular plate (switch box including connections but excluding modular plate) etc. as required. Make- Finolex, Standard or equivalent.	12	Each			
12	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.					
12.1	Upto 450 mm sweep	2	Each			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
13	Telephone Socket outlet modular type. Make-Anchor, Havells or equivalent	2	Each			
14	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. Make- Finolex, Havells or equivalent.					
14.1	2 Pair	40	Meter			
15	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required. Make- Finolex, Havells or equivalent.	40	Meter			
16	T.V. Socket outlet modular type. Make-Standard, Anchor, Finolex or equivalent.	2	Each			
17	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make-Standard, L&T, Finolex or equivalent.					
17.1	40 amps	2	Each			
18	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make-Standard, L&T, Finolex or equivalent.					
18.1	40 amps	2	Each			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
19	Sheet steel DP MCB enclosure. Make-Standard, L&T, Finolex or equivalent.	2	Each			
20	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. Make-Standard, Anchor, Finolex or equivalent.					
20.1	100 mm X 100 mm X 60 mm deep	20	Each			
	Total(B)					
(C) Rewiring and modification of 03 nos. "C" type quarters.						
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. Make- Finolex, Havells or equivalent.					
1.1	Group A	12	Point			
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required. Make- Finolex, Havells or equivalent.	30	Metre			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
3	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required. Make- Finolex, Havells or equivalent.					
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	30	Metre			
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. Make-Standard, Finolex or equivalent					
4.1	3 Module (100mm X 75mm)	9	Each			
5	SP 5/6 amps, one way modular switch, ISI marked	6	Each			
6	SP 15/16 amps, one way modular switch, ISI marked	3	Each			
7	3 pin 5/6 amps modular socket outlet, ISI marked	6	Each			
8	6 pin 15/16 amps modular socket outlet, ISI marked	3	Each			
9	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator). Make-Standard, L&T or equivalent.					

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
9.1	2+8way,Single door	1	Each			
10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make-Standard, L&T or equivalent					
10.1	Single pole (20 A - 3 No. + 10 A - 3 No.)	6	Each			
11	Supplying & fixing stepped type electronic fan regulator on existing modular plate (switch box including connections but excluding modular plate) etc. as required. Make- Finolex, Standard or equivalent.	4	Each			
12	Telephone Socket outlet modular type. Make-Standard,Anchor, Finolex or equivalent.	1	Each			
13	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. Make- Finolex, Havells or equivalent.					
13.1	2 Pair	10	Meter			
14	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required. Make- Finolex, Havells or equivalent.	10	Meter			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
15	T.V. Socket outlet modular type. Make- Finolex, Havells or equivalent.	1	Each			
16	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. Rating 25A. Make- Standard, L&T or equivalent.	1	Each			
17	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Rating 32 A. Make- Standard, L&T or equivalent.	1	Each			
18	Sheet steel DP MCB enclosure. Make-Standard, Anchor, Finolex or equivalent.	1	Each			
19	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. Make-Standard, Finolex or equivalent					
19.1	100 mm X 100 mm X 60 mm deep	5	Each			
	For one "C" type only					
	For 03 "C" type					
	Total "C"					
(D) Rewiring & modification of 16 nos. "A" Type quarters (Block no. 25)						

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
1	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet ,suitable MS box and earthing the point with 1.5 sq. mm.FR PVC insulated copper conductor single core cable etc as required. Make- Finolex, Havells or equivalent.					
1.1	Group A	8	Point			
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required. Make- Finolex, Havells or equivalent.	10	Metre			
3	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required. Make- Finolex, Havells or equivalent.					
3.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	12	Metre			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
4	Supplying and fixing following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. switches in recess etc as required. Make-Standard, Finolex or equivalent.					
4.1	75mmx75mmx60mm deep	4	Each			
5	Supplying and fixing following piano type switch/ socket on the existing switch box /cover including connection etc.as required. Make- Anchor,Philips or equivalent.					
5.1	5/6 Amp switch	3	Each			
5.2	3 pin 5/6 Amp socket outlet	3	Each			
5.3	15/16 Amp switch	1	Each			
5.4	6 Pin 15/16 amps socket outlet	1	Each			
6	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make-Standard, L&T or equivalent					
6.1	Single pole (20 A - 1 No. + 10 A - 2No.)	3	Each			
7	Electronic regulator for fan (heavy duty socket type) 100 watt,240VMake- Anchor, JJ, or equivalent.	2	No.			
8	Rewirable switch fuse unit (conforms to IS/IEC 60947- 1&3, AC-23A), Single pole & neutral, Rating 20 Amp ,240	1	Nos.			

S/N	Description	Qty.	Unit	Unit Cost (₹)	Total Cost	Make
	V & 50 Hz(side handle version) Make-Standard, L&T or equivalent					
9	Supplying and fixing following way ,single pole and neutral, sheet steel, MCB Distribution board ,240V,on surface recess, complete with tinned copper bus bar, din bar inter connections, powdered painted including earthing etc.as required. (But without MCB/RCCB/Isolator. Make-Standard, L&T or equivalent					
9.1	2+4way,single door	1	Each			
10	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.Rating 20A. Make-Standard, L&T or equivalent	1	Each			
	For one "A" type quarter only					
	For 16 "A" Type (x16)					
	Total "D"					
	Total for item A+B+C+D					

(Rupees.....only.)

Date :

Signature of the Tenderer with Seal

NB :

1. Bidders are required to quote the unit price and total cost including taxes etc. in the respective column. Unit price should be in words as well as in figures. The applicable taxes shall be included in the rates quoted by the bidder.
2. Quantity should be as per scope defined in the tender document and should cover all the requirement of the system.
3. The above items of works are to be executed strictly as per relevant IS provisions.
4. The above mentioned items and their quantities are illustrative. No extra cost shall be payable on account of any such variations.
5. **The offered price shall be on 'FOR' destination basis and include of all taxes, duties & incidental charges if any.**