

Tender Document For Electrical Works of CCIC HSR Layout Bengaluru



Ref No. CCIC/TENDER/2011-12/

**Central Cottage Industries Corporation of India
Ltd.**

Janpath, New Delhi - 110001

Bid Schedule & Venue

S. No.	Activity	Scheduled Date & Time
1.	Date of commencement of Bid Document	
2.	Submission of Technical & Financial Bid	Bids should be dropped in tender box kept for the purpose, by 10.6.2011 till 03.00 PM
3.	Location of Tender Box	Reception of Central Cottage Industries Emporium, 144, M.G. Road, Bangaluru-560 001
4.	Venue of Opening of Technical Bid	Office of AGM Central Cottage Industries Emporium, 144, M.G. Road, Bangaluru-560 001
5.	Date & time of Opening of technical Bid	At 3.30 PM on the date in pt. no. 2



CCIC OF INDIA LTD.
JAWAHAR VYAPAR BHAWAN
JANPATH, NEW DELHI – 110 001

Ref: *CCIC/TENDER/2011-12/*

Date: 24.05.2011

Tender For Electrical works

CCIC invites Sealed Bids for Electrical works for our showroom(s) in Bengaluru as per the configuration and terms and conditions listed in the enclosed Annexure.

The necessary Tender Documents are attached in the form of Annexure.

1. SUBMISSION OF BID

The Bidding Process shall be in two parts, viz.

Part- I :Technical Bid

Part- II: Financial Bid

Technical & Financial Bid is to be submitted on same date and time in different sealed envelopes super scribing “**TECHNICAL BID FOR ELECTRICAL WORKS**” and “**FINANCIAL BID FOR ELECTRICAL WORKS**” respectively.

The bidder should take care in submitting the bid properly filled so that enclosed papers are not found loose. The bid document should be properly numbered and signed on each page by the authorised signatory of the company under company seal and submitted in a file in proper manner so that paper do not bulge out and tear during scrutiny.

1.1. Parts of Technical Bid

ANNEXURE - I contains Terms & Conditions, Selection Criteria etc. The bidder should sign each page of this annexure.

ANNEXURE – II is a composite format, which, besides detailing the technical specifications of the items, also provides space to indicate / record your response. For any other supplementary information a separate sheet should be used.

ANNEXURE – III is a format of Technical Bid.

ANNEXURE – IV is a format of Financial Bid.



- 1.2. Above bids with all the relative annexure as detailed above should be dropped in tender box kept in Reception at CCIC OF INDIA LTD, 144, M. G. Road, Bengaluru – 560 001 by the due date of Submission of Technical & Financial Bid as per Bid Schedule / Venue on Page No 1.
- 1.3. To ensure uniformity at the time of evaluation and finalization of offers the bidder should *strictly follow the format & procedure* indicated in the Annexure.

2. Earnest Money Deposit

Technical bids should be accompanied by A Pay order / demand Draft of Rs.10,000.00 favouring “ CENTRAL COTTAGE INDUSTRIES CORPORATION OF INDIA LTD.” towards EMD. Technical bids not accompanied with the EMD, are liable to be rejected even if it is claimed that the EMD is enclosed to the Financial Bid. The EMD of unsuccessful bidders will be returned to them on completion of the tender process. The EMD of the successful bidder(s) shall be returned after timely delivery of the customised fixtures. No interest shall be paid on the EMD. If any of the selected bidders, refuses or is unable to execute the order, his EMD will be forfeited.

3. Scope of work: Electrical work as per Bill of quantities attached with Financial Bid.
4. The Technical bids will be examined by a Committee of CCIC which may call for clarifications / additional information from the vendors which must be furnished to the Committee within the time stipulated by the Committee.
5. Financial Bids of the vendors short-listed by the Committee will only be opened. The prices quoted in Financial bid should be Local Delivery at site inclusive of all taxes, duties, levies, VAT, transport, Entry Tax, Octroi, Transit insurance, loading-unloading, installation charges etc. The rate should be firm and valid for 06 months from the date of Tender Closing Date. No price escalation on any ground whatsoever will be entertained during the period of validity of the rates.

Yours Faithfully

(S. Mukherjee)
AGM (CCIC, Bengaluru showroom)



ANNEXURE - I

TENDER DOCUMENT FOR ELECTRICAL WORKS TO CCIC SHOWROOM

TERMS & CONDITIONS OF THE TENDER

1. GENERAL.

- 1.1. The response to the present tender will be submitted by way of two stage bidding process. The technical details with the relevant information/documents/acceptance of all terms and conditions strictly as described in this tender document should be submitted. If short listed, the Financial Bid of the vendor will be opened.
- 1.2. Tender should strictly conform to the specifications. Tenders not conforming to the specifications will be rejected summarily.
- 1.3. Any incomplete or ambiguous terms/conditions/quotes will disqualify the offer.
- 1.4. CCIC reserves the right to accept/reject any or all Bids without assigning any reasons therefore.
- 1.5. Any set of terms and conditions from the Vendors are not acceptable to CCIC.
- 1.6. CCIC reserves the right to stop the tender process at any stage and go in for fresh tendering without assigning any reasons.
- 1.7. The bids should be valid for 6 months and L1 vendor is bound to execute the orders placed at L1 rates during the currency of the tender.
- 1.8. CCIC reserves the right to impose and recover penalty from the vendors who violate the terms & conditions of the tender including refusal to execute the order placed on them for any reasons.
- 1.9. CCIC has the right to reject the work at site during final inspection though the work have already been inspected and cleared at testing stage by the CCIC's inspector.
- 1.10. No binding legal relationship will exist between any of the Respondents and CCIC until execution of a contractual agreement. Bids must remain valid and open for evaluation according to their terms for a period of at least six (6) months from the date/time of submission of Bids. Bids valid for less than 6 month are liable to reject.



- 1.11. The financial bids of vendor(s) who do not qualify in the technical bid, will not be opened/considered.
- 1.12. The vendor (if selected) shall supply new customised fixtures as per Annexure -III
- 1.13. If required, any further clarification, please get in touch with the following officers of this Department within ten days of tender notification date, after which no such communication will be entertained:

Shri. S. Mukherjee, Phone:080-25584515

2. INSTRUCTIONS TO THE VENDORS:

- 2.1. NAME OF WORK: **ELECTRICAL WORKS** to CCIC OF INDIA LTD., Bengaluru branch
- 2.2. Please read the terms & conditions governing the tender carefully.
- 2.3. Please fill in the relevant information in the blanks provided.
- 2.4. Please sign in full by the Authorised Signatory (ies) with Company Seal in all the relevant Annexure and return the complete set in sealed cover.
- 2.5. Sealed Envelop of Bids should be dropped in Tender Box kept in the Reception of Central Cottage Industries Emporium, 144, M. G. Road, Bengaluru – 560 001. No advance copy of bid through Email/Fax or in any other form should be disclosed to any of the employee/consultant of CCIC.
- 2.6. No consideration will be given to a Bid received after the time stipulated above and no extension of time will be permitted for submission of Bid.
- 2.7. The vendor will submit his Bid after carefully examining the document/conditions and the items covered under the tender.
- 2.8. Bids not fulfilling any or all of the conditions prescribed or which are incomplete are liable to be rejected.
- 2.9. All prices quoted in Financial bid should be 'Local Delivery on Site' inclusive of all taxes, duties, levies, VAT, transport, Entry Tax, Octroi, Transit insurance, loading-unloading, installation charges etc. CCIC will not issue certificates of any kind pertaining to tax exemptions.



- 2.10. During the validity period of tender quotes, any upward change in the exchange rate/excise duty and customs duty are to be borne by the vendor. In the event of any downward revision of levies/duties etc., the same should be passed on to CCIC, notwithstanding what has been stated in the Bid or in the Letter of Intent etc.
- 2.11. No price escalation adjustment or any other escalation will be payable.
- 2.12. The vendor should arrange for requisite road permit wherever applicable. CCIC will place orders on vendor's Bengaluru Office.
- 2.13. Canvassing in any form in connection with Bids is strictly prohibited and Bids submitted by vendors who resort to such practices are liable to be rejected.

2.14 ELIGIBILITY CRITERIA

S. No.	Criteria
A.	Experience of having successfully executed similar value order for product bided during last 3 years ending on 31.3.2011 at either of the following:
	Three similar completed works costing not less than Rs. 1 lakh each.
	Two similar completed works costing not less than Rs. 2 lakh each.
	One similar completed work costing not less than Rs.3 lakh each.
B.	Average annual Turnover during last three years is above Rs.3 lakh.

**ACCEPTED THE ABOVE CONDITIONS
SIGNATURE OF THE VENDOR WITH SEAL**



3. CONDITIONS GOVERNING THE TENDER:

Signature: The authorised person(s) should sign the Tender Document and related Annexures only. A copy of the letter issued by competent authority authorising the person(s) to sign on behalf of the company should be enclosed.

4. Delivery:

4.1. The fixtures should be delivered within 60 days, from the date of placing the Purchase order.

In case any vendor awarded the contract is unable to deliver equipment by the stipulated delivery date, CCIC will charge a **penalty of 1%** of order value for every day of delay, subject to a **maximum of 5%** of the order value or will cancel the purchase order. The amount of penalty so calculated shall be deducted at the time of making payment. In the event of cancellation of the order, the vendor shall not be entitled to any compensation and EMD will be forfeited. Time shall be the essence of the contract. **No Advance Payment will be released along with purchase order.**

4.2. CCIC reserves the full right to take any action as it deems fit in case the vendor does not make delivery by the stipulated delivery dates including forfeiture of Security Deposit held with CCIC.

5. **Quantities liable to vary:** The quantities are liable to alteration. It should be clearly understood that the contract is not a lump-sum contract. Payment shall be regulated on the actual quantities of supply made at the accepted rates.

6. **Vendor not to make any alteration in document:** No alterations, which are made, by the vendor in the specifications or probable quantities accompanying this notice shall be recognised, and if any such alterations are made, the Bid shall be invalid. Any Bid, which purports to alter, vary or omit any of the conditions herein, is liable to be rejected.

7. Vendor to gather all information for/bear cost for submitting Bids:

7.1. The vendor must obtain for himself on his own responsibility and at his own expenses all the information necessary including risks, contingencies and other circumstances to enable him to prepare a proper Bid and to enter into a contract with CCIC.

7.2. The vendor should also bear all the expenses in connection with the preparation and submission of his Bid.

7.3. The vendor whose Bid is accepted shall not be entitled to make any claim for increase in the rates quoted and accepted.



8. Rates should be complete, adequate and cover all taxes, contingent costs including insurance. The Bid must be complete in itself, properly worked out to cover all the vendor's obligations under the contract and all matters and things necessary for the proper completion of the work, and the rates quoted therein must be correct and sufficient to cover the vendor's costs, overheads and profits etc, completely for the individual items of work including cost for all necessary materials and labour, taxes, excise or any other such tax or duty levied by Govt., Central or State or Local Authority as on the date of submitting Bids, if and as applicable, insurance against loss or damage by fire, theft or other usual risks during transit, and till the work is completed at site and handed over to the CCIC in all respects according to the true meaning and intent of the contract.
9. **Quoted rates not subject to escalation:** The rates should not be subject to any escalation in prices of components, basic material, exchange rate, taxes, duties, railway/freight and the like, labour rates, Octroi etc.
10. The rate should be firm for a period of six months from the date of submission of bids
11. **Rights of CCIC:**
 - 11.1. CCIC does not bind itself to accept the lowest quote and reserves the right to reject any or all the quotes received, without assigning any reason therefor.
 - 11.2. While placing the Purchase Order, CCIC further reserves the right to delete or reduce any item without assigning any reason therefor.
12. **Assigning Work:** The work or any part of it should not be transferred, assigned or sub-let without the written consent of CCIC.
13. **Other agencies at work:** The vendor shall be required to co-operate and work in coordination with and afford reasonable facilities for such other agencies/specialists as are/may be employed by CCIC on other works/sub-works in connection with the project/scheme of which this work forms part and in this connection it shall be deemed that the vendor has prior to submitting the Bid inspected the premises and taken all circumstances into consideration.
14. **Acceptance Testing:**
 - 14.1 Inspection/Acceptance test shall be carried out to the satisfaction of CCIC.
 - 14.2 The Inspection/Acceptance Test shall be designed by CCIC and conducted by CCIC's officials to their satisfaction. The vendor shall provide/extend necessary assistance to CCIC in the conduct of the acceptance tests/inspection.



- 15. Release of Shipment from the Check Post:** It is to be clearly understood that items shipped from factory, will be got cleared from any Check post by the vendor himself.
- 16. PAYMENT TERMS:**
- 16.1 On delivery : 80 % of value of order after inspection.
On installation: 15 % of value of order
Balance 5% after warranty period of 3 months.
- 16.2 The vendor should submit the bills to the AGM (CCIC, Bengaluru showroom) office that have issued the relative Purchase Order. The payments will be processed and Payment will be made.
- 16.3 **DOCUMENTS TO BE ENCLOSED:** Invoice(s) reflecting taxes and duties, delivery challan duly acknowledged by the consignee, packing slip, Installation Report covering all the items supplied and duly signed by the department evidencing satisfactory installation of the items supplied etc, **all in duplicate.** The Invoice and Delivery Challans should indicate the list of items. **A copy of the relative Purchase Order should also to be submitted along with your claim.**
- 17. Transfer of Ownership:** Transfer of ownership of the property shall be effective as soon as the fixtures are delivered, checked, tested and accepted by CCIC.
- 18. Insurance:** Vendor shall arrange for suitable transit insurance cover at no extra cost to CCIC, which will cover the period till the system is delivered as mentioned above in point no 8.
- 19. Warranty :**
- 19.1. The vendor/supplier shall warrant that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials.
- 19.2. All the items supplied under this tender should carry 6 months unconditional onsite comprehensive warranty.
- 19.3 Within the period of warranty/maintenance cover, CCIC shall have the right to shift the Fixtures to an alternate site of its choice, if required.



- 20. Subcontracting /Assignment:** The vendor shall not, without the prior written consent of CCIC OF INDIA LTD., sub-contract or permit anyone other than the vendor's own personnel to perform any of the work, services or other performance required of the vendor.
21. All disputes and differences of any kind whatsoever arising out of or in connection with this purchase order shall be referred to arbitration. The arbitrator may be appointed by both the parties or in case of disagreement; each party may appoint an arbitrator and the decision of the arbitrator(s) shall be final. Such arbitration shall be governed by the provisions of the Indian Arbitration Act.
- 22. Force Majeure**
- 22.1 Notwithstanding the provisions mention in the document, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 22.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to, acts of the CCIC either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, and freight embargoes.
- 22.3 If a Force Majeure situation arises, the supplier shall promptly notify the CCIC in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by CCIC in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 22.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 22.5 In case due to a Force Majeure event the purchaser is unable to fulfil its contractual commitment and responsibility, the purchaser will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.



TECHNICAL BID



Central Cottage Industries Corporation of India Limited
144, M.G. Road, Bengaluru

Tender for Electrical works to CCIC Bengaluru Showroom.

Technical Bid

Sr. No.	Particulars			
1.	Name of the party.			
2.	Address			
3.	Name of contact person			
4.	Names of Owner(s)/Partner(s)/ Director(s) Please enclose copy of the registered partnership deed / memorandum and articles of association			
5.	Telephone No.	Office: _____ Shop : _____ Residence: _____ Mobile : _____ _____ Fax No.: _____ _____		
6.	Number of years of experience in the trade.			
7.a)	Turnover (Rs. In lakhs) Please enclose Documentary proof (Balance sheet & profit & loss account).	2008-09 2009-10 2010-11		
b)	Electrical work completed (Nos. costing) (i) upto Rs. 1 lakh. (ii) Rs. 1 to 2 lakhs. (iii) Rs.2 to 3 lakhs. Attached proof of work completion certificate.	2008-09 (Nos.)	2009-10 (Nos.)	2010-11 (Nos.)
8.	Detail of products, source of manufacture			



9.	TIN NO.	
10.	PAN No.	
11.	Service Tax No.	
12.	Provident Fund No. ESI No.	
13.	Details of Demand Draft	No. Date: Bank: Amount
14.	Date	
15.	Signature & Seal	

All Terms & conditions accepted.

Date:

Signature

Name



FINANCIAL BID



Central Cottage industries Corporation of India Limited
144, M.G. Road, Bengaluru

Tender for Electrical works of CCIC Bengaluru Showroom.
Financial Bid

BILL OF QUANTITIES- CENTRAL COTTAGE INDUSTRIES EMPORIUM, BANGALORU

All rates quoted shall be for complete finished work including cost of all labor, material, scaffolding, tools & tackles, lead lifts etc. and inclusive of all taxes and duties, octroi, royalties etc. The material used shall be duly approved by the consultants before incorporation in the actual works.

SECTION A. DISTRIBUTION PANELS & DISTRIBUTION BOARDS

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Design, supply, erection & commissioning of distribution panels made of 2 mm thick CRCA steel sheets,				
	Floor mounted, fully enclosed, compartmentalized, dust & vermin proof with hinged & lockable doors, & complete with earthing, painting as required and mounted with the following :				
1	MAIN PANEL	0	N.O		
A.	SECTION -1				
	INCOMER(Main Supply)				
	- 100 A, 4P, 25 Ka, MCCB with following :				
a.	METERING & CONTROLS				
	- ON/OFF phase indicating lamps with control fuses.				
	- voltmeter with VSS complete in all respects				
	- Ammeter with ASS complete in all respects				
	-Electronic type multi function meter				
B.	SECTION -2				
	BUSBARS				
	- 100 A, TPN, Al Bus Bars with heat shrinkable PVC Sleeves – 1 set.				
C.	SECTION -3				
	OUTGOINGS- AS PER SLD				
	- 63 A, TPN, MCB -2 No.				
	- 25 A,TPN, MCB -3 No.				
	- 32 A,TPN, MCB -2 No.				
	- 6-32 A, SP, MCB -42 No.as required				
TOTAL SECTION A					0.00

B. CABLE LAYING & TERMINATION

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply & Laying of the following sizes of 1100 V grade XLPE Copper cables , armored including all materials required for installation including termination				
1.1	2 * 4 sq.mm (Signage)	30	mtrs		
1.2	4 *2.5 sq.mm	0	mtrs		
1.3	4 *4 sq.mm(AHU-2 Nos.)	0	mtrs		
2	Supply & Laying of the following sizes of 1100 V grade XLPE Aluminum cables , armored including all materials required for installation and termination				
2.1	4*50 sq.mm-(Main Incoming Cable)	0	Mtrs		
TOTAL SECTION B					0.00

C. WIRING FOR TELEPHONE & EPBAX POINTS

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply & fixing of Tag Block (krnoe type)of following pairs inclusive of recessed / surface MS box including making connections. Work includes repair of chase to original finish.				
1.1	10 pair tag block	1	n.o		
1.2	20 pair tag block	0	n.o		
2	Point wiring for telephone points will be carried out with 2 pair 2 * 0.61 sq.mm PVC insulated ATC conductor, in surface/ recessed PVC conduits, inclusive of G.I/ PVC box & modular plate telephone socket, twin jack type. Work includes cutting & repair of chase to original finish.	2	n.o		
3	Supply & drawing of 2 * 0.61 sq.mm each pair, PVC insulated ATC cable in PVC conduits/ Cable trays etc. Work includes repair of chase to original finish.				
3.1	2 pair telephone wires	0	Mtrs		
3.2	3 pair telephone wires	0	Mtrs		
3.3	5 pair telephone wires	40	Mtrs		
3.4	10 pair telephone wires	0	Mtrs		
3.5	20 pair telephone wires	0	Mtrs		
TOTAL SECTION C					

D. POINT WIRING :

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Point wiring for light points including looping circuits will be carried out with 1.5 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 2.5 sq.mm Cu conductor & 1.5 sq.mm PVC insulated Cu earthing wire , in surface/ recessed PVC/MS conduits, inclusive of G.I box & modular plate switch. Work includes repair of chase to original finish.				
1.1	One light point with 1 switch with PVC conduits	10	n.o		
1.2	Each additional point with PVC conduits.	35	n.o		
1.3	Two way light points with PVC conduits	0	n.o		
2	Point wiring for 3 * 3 pin 5 A sockets , with 1*16A switch, UPS points including looping circuits will be carried out with 2.5 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 4.0 sq.mm Cu conductor & PVC insulated Cu 1.5sq.mm earthing wire , in surface/ recessed MS conduits, inclusive of G.I box & modular plate switch & socket . Work includes repair of chase to original finish.	0	n.o		
3	Point wiring for 3 pin 5/15 A points(UPS or RAW) including looping circuits will be carried out with 4.0 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 4.0 sq.mm Cu conductor & PVC insulated Cu 2.5 sq.mm earthing wire , in surface/ recessed PVC/MS conduits, inclusive of G.I box & modular plate switch & socket . Work includes repair of chase to original finish.				
3.1	15 A plug with PVC conduits .	3	n.o		

4	Point wiring for 3 pin 6 A points including looping circuits will be carried out with 2.5 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 2.5 sq.mm Cu conductor & PVC insulated Cu 1.5 sq.mm earthing wire , in surface/ recessed MS conduits, inclusive of G.I box & modular plate switch & socket . Work includes repair of chase to original finish.				
4.1	6 A plug with PVC conduits .	16	n.o		
5	Supply & fixing of Industrial type plug & socket MCB in powder coated enclosure complete in all respects including MCB's and of following ratings:				
5.1	25A single phase Ind socket with 25 A, MCB	0	n.o		
5.2	63 A single phase Ind socket with 63 A, DP MCB	0	n.o		
5.2	25 A three phase Ind socket with 25 A, MCB(AHU)	0	n.o		
5.3	32A THREE phase Ind socket with 32 A, TPN MCB(spare)	0	n.o		
5.4	40 A THREE phase Ind socket with 32 A, MCB	0	n.o		
5.5	S & I of 20A, metal clad 3 pin socket with plug top along with 1no. 20A, SP, MCB, all housed in sheet metal powder coated 20 A DP MCB box for giving supply to A/C machines & including wiring with 4sqmm wire	4.00	Nos.		
6	Point wiring for Exhaust Fan points including looping circuits will be carried out with 2.5 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 2.5 sq.mm Cu conductor & 1/18 earthing wire , in surface/ recessed PVC conduits, inclusive of G.I box & modular plate switch . Work includes repair of chase to original finish.	4	n.o		
7	Point wiring for Ceiling Fan points including looping circuits will be carried out with 2.5 sq.mm PVC insulated Cu conductor, inclusive of circuit wiring with 2.5 sq.mm Cu conductor & 1/18 earthing wire , in surface/ recessed PVC conduits, inclusive of G.I box & modular plate switch . Work includes repair of chase to original finish.	24	n.o		
7.1	Extra for electronic regulator	24	n.o		
8	Supply & fixing wherever directed MS conduits recessed/ surface inclusive of repair of chase to original finish and of following sizes :				
8.1	20 mm dia	0	mtrs		
8.2	25 mm dia	0	mtrs		
8.3	32mm dia	0	mtrs		
8.4	40 mm dia	0	mtrs		
9	Supply & drawing of following PVC insulated copper wires in existing PVC/ MS conduits. :				
9.1	2*16 sq.mm + 1 * 6 sq.mm earth -	0	Mtrs		
TOTAL SECTION D					

Note :

All Copper conductors/wires in above specifications (Section D) are FRLS type.

E. FITTINGS & FIXTURES

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Installation, testing & commissioning of the following fixtures complete in all respects including chokes, starters, tube holders, reflector assembly etc.				
1.1	Installation of small size lighting fixtures like small bracket lights, tube lights, down lighters (2*18W and 2*36W CFL down lighters) etc.	58	n.o		
1.1a	Supply of lighting fixtures (2*18W surface mounted)	45	n.o		
1.1b	Supply of lighting fixtures (12v, 50W spot light)	13	n.o		
1.2	Installation of medium size lighting fixtures like chandeliers, ceiling fans, exhaust fans etc.	109	n.o		
1.2a	Supply of 36" ceiling fan	24	n.o		
1.2b	Supply of 16" exhaust fan	4	n.o		
1.2c	Supply of 3'-3" long track light complete with 3 no. 12v, 50w spot light with tilting housing as per sample	81	n.o		
1.3	Installation of Large size lighting fixtures like large chandeliers, metal halide fixtures, SON fixtures, HPSV fixtures, flood lights, sign boards etc.	0	n.o		
TOTAL SECTION E					

F. WIRING FOR DATA POINTS:

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Point wiring for LAN points will be carried out with CAT 5, LAN Cable , in surface/ recessed existing PVC conduits, inclusive of p/f of G.I/ PVC box & modular plate RJ 45 AT&T LAN socket. Work includes cutting & repair of chase to original finish.	2	n.o		
TOTAL SECTION F					

G. WIRING FOR MUSIC/ TV/ SMOKE DETECTION SYSTEM

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Wiring for Music Speaker points to be carried out with of 2 * 40/0.19 mm PVC insulated, twin twisted cable , in surface/ recessed PVC conduits. Wiring will begin from the Music System panel and will terminate in each shop as shown in the drawings. Work includes repair of chase to original finish.	0	Mtrs		
2	S & I of TV socket point flush mounted on wall / partition including cabling till outside the building with connector	2.00	No.		-
3.1	Supply & Laying of 2 Core 1.5 Sq.mm Armoured cable for Fire Alarm System	180	Mtr.		-
3.2	Supplying and fixing of 4 Zone, Microprocessor based Modular expandable Conventional type Main Fire Alarm Control Panel with window type annunciation to indicate fire and fault, led lamps for visual indication, audio-alarm unit, push buttons for acknowledge, test, reset, complete with power supply of 24 V DC, 7 AH from 230 V AC and backed up by a maintenance free battery system (SMF battery shall be Hitachi make or equal). Including testing and commissioning of complete fire alarm installation by specialized agency supplying Fire Alarm Panel.	1.00	no.		-

3.3	S&I of Photo electric(Optical) type Smoke Detector	28.00	no.		-
3.4	S&I of Manual Call Point	1.00	no.		-
3.5	S&I of hooter	2.00	no.		-
TOTAL SECTION G					0.00

H. EARTHING SYSTEM

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Construction of Earthing stations with following earth electrodes along with all accessories as per IS 3043 including excavation of pit, fixing of earth electrode, filling in alternate layers of charcoal & salt, refilling of pit & providing brick masonry enclosure with CI cover. (Detailed specifications given separately).				
1.1	GI plate electrode- 600 * 600 * 6 mm	0	n.o		0.00
1.2	Copper plate electrode- 600 * 600 * 3 mm	0	n.o		0.00
1.3	CHEMICAL EARTHING	0	n.o		0.00
2	Supply & fixing of following type of earth leads below ground level at 50 cm depth including excavation of pit, refilling and along with heat shrinkable PVC sleeves etc.				
2.1	25 * 3 mm copper strip in 40 mm GI Class B pipe as required.	0	Mtrs		0.00
2.2	25 * 3 mm copper strip as required.	0	Mtrs		0.00
2.3	32 * 6 mm GI strip as required.	0	Mtrs		0.00
2.4	25 * 6 mm GI strip as required.	0	Mtrs		0.00
2.5	40 * 5 mm GI strip as required.	0	Mtrs		0.00
2.6	8 SWG Copper wire as required	0	Mtrs		0.00
2.7	8 SWG GI wire as required	0	Mtrs		0.00
2.8	25 sq.mm PVC insulated Cu conductor	0	Mtrs		0.00
2.9	16 sq.mm PVC insulated Cu conductor	0	Mtrs		0.00
TOTAL SECTION H					0.00

SUMMARY OF COSTS

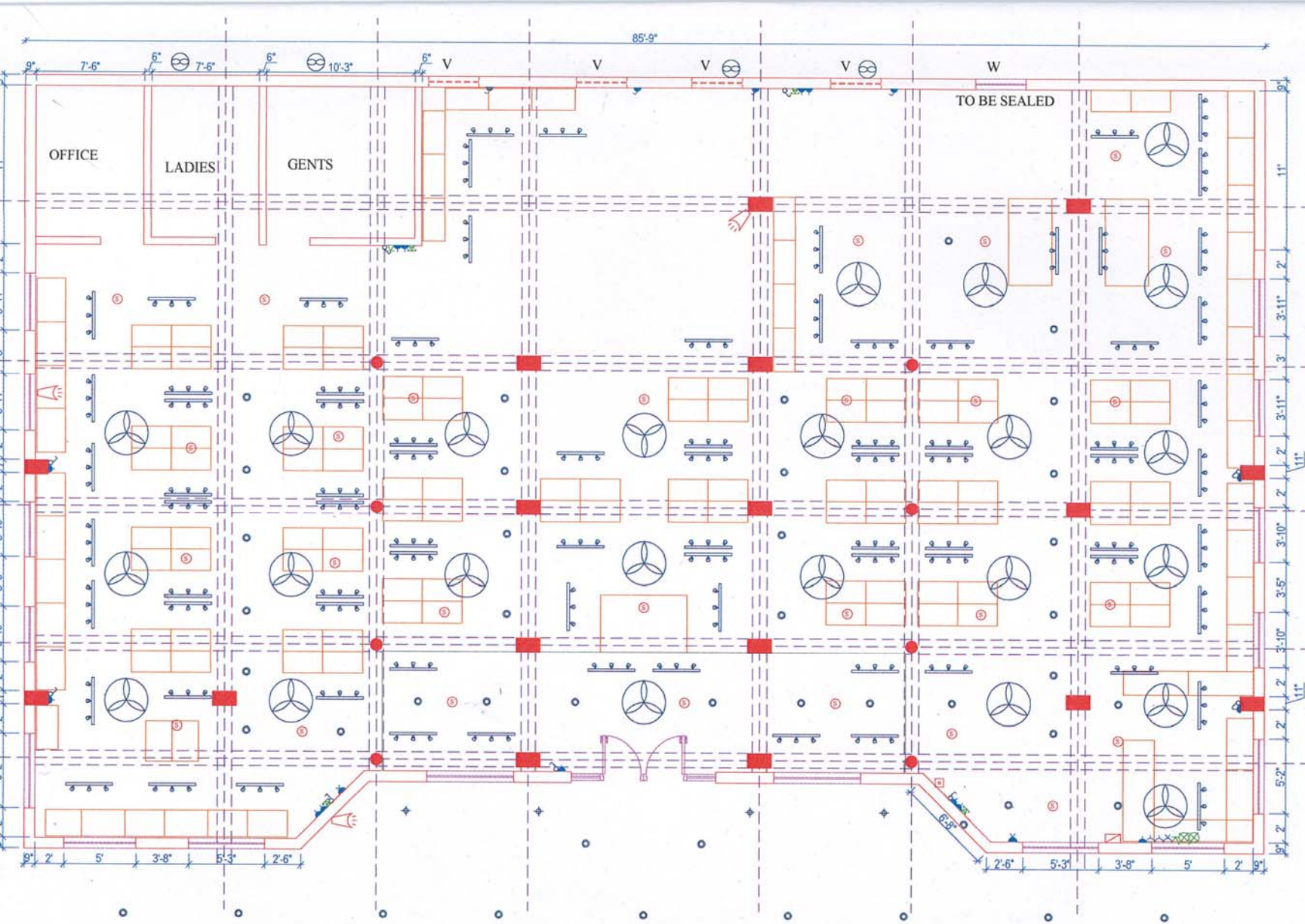
S.NO	NAME OF SECTION	AMOUNT
A	DISTRIBUTION PANELS	0.00
B	CABLING	0.00
C	TELEPHONE WIRING	0.00
D	POINT WIRING	0.00
E	FITTINGS AND FIXTURES	0.00
F	DATA WIRING	0.00
G	MUSIC/ TV/ SMOKE DETECTION WIRING	0.00
H	EARTHING SYSTEM	0.00
GRAND TOTAL		0.00

Name of the firm :

Address :

Signature

Please fill in the bid price for all electrical works and affix signature and seal on each page.



LEGENDS

Symbol	Description	No.
	CONTROL PANEL	1
	SMOKE DETECTOR	28
	MANUAL CALL POINT	1
	HOOTER	2
	SWITCH BOARD	
	5 AMP UPS	2
	5 AMP RAW	14
	15 AMP UPS	1
	15 AMP RAW	2
	20A AC POINT	4
	CFL 2X18W	32+13
	TELEPHONE	4
	DATA	2
	TV	2
	EXHAUST FAN	4
	CEILING FAN	24
	TRACK LIGHT (50Wx3)	81
	SPOT LIGHT 12V, 50W	13

