

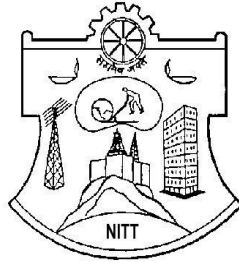
NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 15

Department of Electrical & Electronics Engineering

Web : www.nitt.edu

Phone : 0431 - 2503250



TENDER DOCUMENT

Tender Notification No.: NITT/ICSR/EEE/CN/NaMPET/08-09/33

Dated : 18.3.2009

- Name of the item : **Supply and Installation of wiring work**
- Quantity required : As per list enclosed
- Installation, Testing & Commissioning : Within eight weeks from the date of work order
- Last Date of submission of Tender : **6.4.2009 upto 3.00 p.m.**
- Address for submission of Tender : Dr.C.Nagamani
Professor/EEE
National Institute of Technology
Tiruchirappalli – 620 015
E-mail: cnmani@nitt.edu
Phone No : 0431-2503254
- Date of opening of bid : **6.4.2009 at 3.30 pm**



**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 15**

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Tender Notification No.: NITT/ICSR/EEE/CN/NaMPET/08-09/33

Dated: 18.3.2009

NOTICE INVITING TENDER

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GOI, imparting Technical Education and engaged in Research Activities. It is proposed to carry out the lab table wiring [electrical] for the departmental academic/research activities.

Sealed tenders are invited for the following work subject to the following terms and conditions, from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time. The Tenders will be opened on the same day in the presence of bidders or their authorized agents who may choose to be present.

Name of the item : **Supply and Installation of wiring work**

Quantity required : As per list enclosed

Time for completion of entire work after placing purchase order: Eight weeks

Last Date of submission of tender : 6.4.2009 upto 3.00 p.m

Tender to be submitted at the following address : Dr.C.Nagamani
Professor/EEE
National Institute of Technology
Tiruchirappalli – 620 015
E-mail: cnmani@nitt.edu
Phone No : 0431-2503254

Place, Date and time of opening of bid :

Date: 6.4.2009

Time: 3.30 pm

Venue: Department of EEE

Note: The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

SECTION: 1 INSTRUCTION TO BIDDER

1. The bidders should provide list of contracts executed in Universities, Institutes or Government Departments/Undertakings/public sectors with contact details. The details of the bidder/profile should be furnished along with the copy of all related documents.

1.1 **Documents to be submitted in the Bid:**

- (i) The bidder should provide copy of A Grade license certificate for contract on PWD/CPWD item.
- (ii) The agency should furnish Income Tax PAN number

2. The bidder should provide their rate as per the format given in Section 4 of the Notice in this cover. The rate should be quoted both in words and figures. All the pages of the bid should be signed affixing the seal. All corrections and overwriting should be initialed.

The bid cover should be duly superscribed with the following details.

(1) Tender Notification Number (2) Tender for the supply, installation and commissioning of the electrical work (3) Date of opening

Mention "Kind Attention: Contacts person's name and phone number", and submit at the address given in the Tender Notice.

3. The tender will be acceptable only from the manufacturers or its authorized supplier or A grade license holder.
4. The tender shall be in the format of price schedule given in Section 4. The contract form as per format given in section 5 shall be submitted. Incomplete or conditional tender will be rejected.
5. Details of quantity and the specifications are mentioned in Section 3 appended to this tender Notice.
6. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.
7. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the Tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
8. 5% of the order and wiring work value will be retained by the Institute towards Performance Security and will be returned to the supplier after the period of free maintenance.

9. **Validity of bids:** The rate quote should be valid for a minimum of 60 days. No claim for escalation of rate will be considered after opening the Tender.
10. **Clarification of tender Document:** A prospective bidder requiring any clarification of the Tender document may communicate to the contact person given in this notice inviting Tender. Interested bidder can visit the work spot on all office hours (10.00 a.m. to 4.00 p.m.)
11. **Amendment of tender document:** At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.
12. ***The Institute may at its own discretion extend the last date for the receipt of tenders.***
13. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
14. The Institute reserves the right of accepting any tender other than the lowest or even rejecting all the bids.
15. The bidder should give the following declaration while submitting the Tender.

DECLARATION

I/we have not tampered/modified the Tender forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our Tender will be summarily rejected and I/we am/are liable to be banned from doing business with NIT, Trichy and /or prosecuted.

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm

18. Any other details required may be obtained from the contact person given in the notice inviting Tender during the office hours.

SECTION : 2 CONDITIONS OF CONTRACT

1. The rates should be quoted for FOR NIT, Trichy for supply within India.
2. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
3. Rate quoted should be inclusive of Testing, commissioning and installation of equipment and training.
4. **Payment**: No advance payment will be made. 95% Payment will be made after the supply, installation and commissioning of the electrical work in good and satisfactory condition. The balance 5% will be released after the free maintenance period.
5. In case of dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

SECTION: 3 SCHEDULES OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

Name of the item to be procured : **Supply and Installation of wiring work**

Specifications: In the Department of Electrical & Electronics Engineering, wiring work is proposed to be carried out in the new Electric Drives Laboratory and for linking wind turbine generator and solar panels (in 2nd floor) to the work tables in the drives lab. Details are given below:

Sl.No.	Description of Work Details	Qty
1.	3phase Motor Wiring Supply and drawing of 4x4sq.mm PVC copper wire through existing PVC pipe and supply of 25mm PVC flexible hose with PVC adaptor in the existing surface, fixing it with saddle clamp; connections to be given and checked for 3phase power supply with proper earth connection using RYB Colour Wire (Finolex make).	65m
2.	15A Plug Point fixing Supply and fixing of 3pin 5Amps/15Amps plug point socket with switch control Lisha white colour (five in one) in the existing hylam sheet, 5/15Amps tumbler / piano type switch, earthing the 3 rd pin; connections to be given and checked with proper earth connection (Lisha make plug points and sockets).	56Nos
3.	220 V.D.C. Supply and Plug Point Wiring Supply and drawing of 4sq.mm PVC copper wire through existing PVC pipe and supply of 25mm PVC flexible hose with PVC adaptor in the existing surface fix it with saddle clamp connections given and checked plug point and 220V.D.C supply with earth connection.	150m
4.	Solar panel Power Wiring and 36V.D.C Supply and drawing 3 wire of 2.5sq.mm PVC insulated copper conductor single core cable in the existing surface / recessed 20mm PVC conduit pipe (Avon plast) required Finolex wires to be used for solar power wiring and 36V.D.C. Supply wiring	100m
5.	Removing and Recreation of existing panel board without any damage with all supply LTUG cable using content, galley, sand with concrete	2Nos
6.	Supply of green colour paint using emery sheet, cleaning the motor and painting the motor with two coatings	5Nos
7.	Supply of wire connecting terminals RYB and Block colour providing holes in the existing 6mm hylam sheet and fix it with proper lock nut write the letter RYB at existing hylam sheet 12 Tables x 25Nos	300Nos
8.	Supply and fixing of high quality Indicator RYB for 440V and 230V D.C and 36V D.C 12 Table x 5Nos writing name & details with white colour paint Total : 60Nos + Panel board 5Nos = 65Nos.	65Nos
9.	Supply of M.S 300mm 5/8 Bolt with nut and washer providing holes in the concrete and erection of the motor with proper alignment; connection to be made and checked	7Nos
10.	Supply and fixing of 32A double pole MCB unit for 230V DC = 12Nos and 36V DC = 12Nos ; For DC power supply fixing is at the existing board with necessary bolt and nut with screws proper earthing - make MCB unit to be fixed. (12+12)	24Nos

11.	Supply and fixing of FT Type 5A Lisha white indicator for 5A / 15A plug point (12 Table + 3 Panel indicator)	15Nos
12.	Supply and painting of Dark Grey colour for 6 bed length 10feet x 2' height x 2' feet breadth and writing on the wall for motor details	6Nos
13.	Manufacturing supply and erection of 4Nos 6" x 6" x 6" M.S keel depth box with two coats of enamel painting to fix two terminals each on the hylam sheet; door should be openable type	4Nos
14.	Supply and fixing of 8" x 6" T.W hylam box on the wall at power electronics lab, machines lab and drives lab with two motor terminals connection to be given and checked	3Nos
15.	Supply and fixing of 8way single phase MCB DB with 32A Double pole MCB control and 6Nos 16A MCB control unit for DC 36 Volt power supply (MCB to be L & T Make)	1No
16.	Supply and drawing of 2.5sq.mm PVC insulated copper conductor multi core cable in the 20mm PVC (Avon plast) pipe using Finolex wire for connecting wind generator as required Drives Lab to Entrance light Indicator	30m
17.	Supply of PVC pipe 20mm (Avon plast) wiring to be carried out from open terrace to Drives Lab using Metal Saddle clamp; connections to be given and checked	30m
18.	Supply and fixing of 32A, 4pole MCB unit on each work table for 3 phase 440V A/C power supply for motor - 12 work tables (L&T or equivalent).	12Nos
19.	Supply and fixing of 32A fuse units for all 12 Tables PVC acrylic - good quality.	72Nos
20.	Supply and wiring of No8 SWG GI wire for full earth double run for all tables to earth bar.	70m

Note Refer to the Figures 1, 2 & 3 in subsequent pages.

NEW ELECTRIC DRIVES LAB. WIRING DIAGRAM

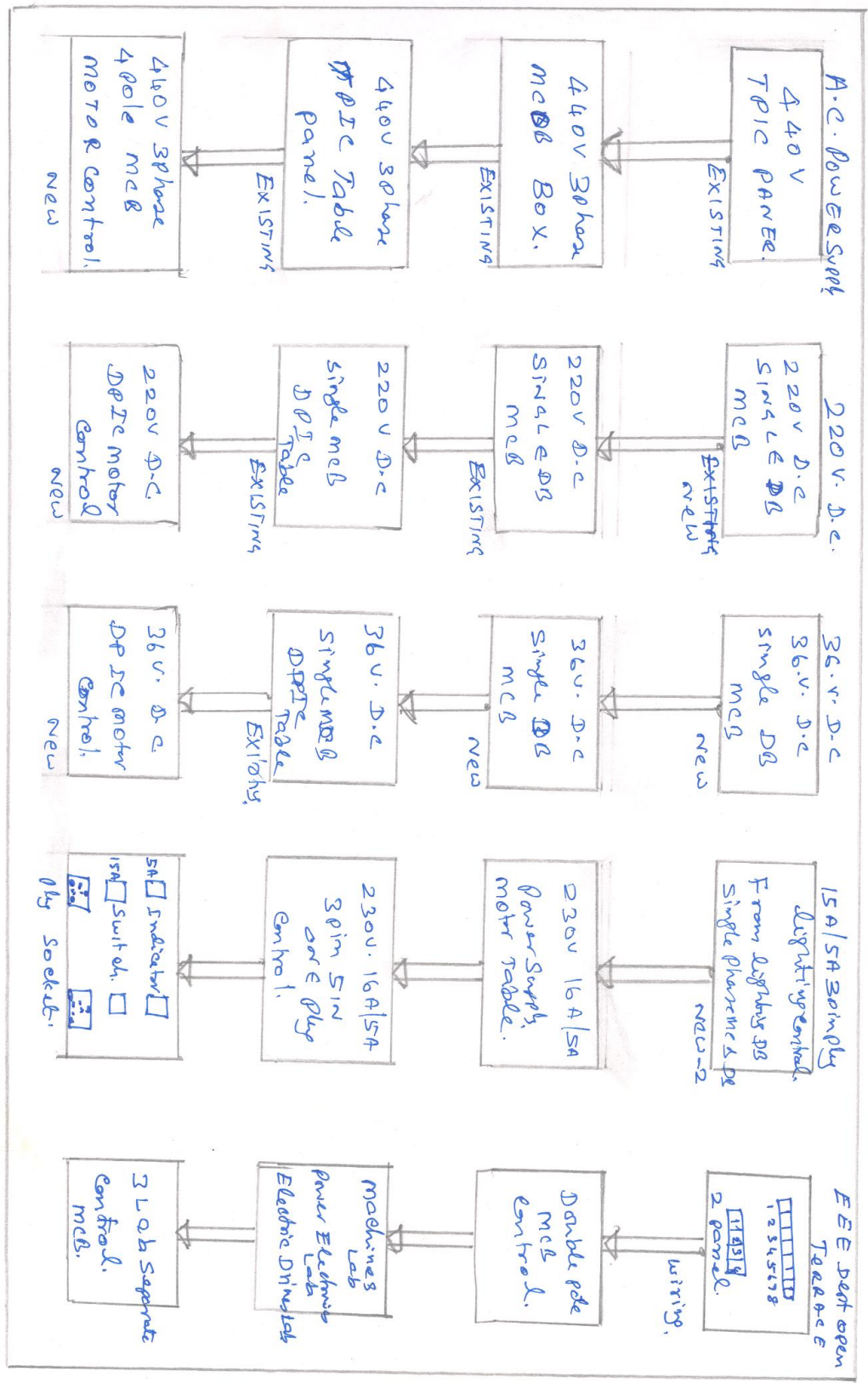


Figure:1

ELECTRIC DRIVES LABORATORY WIRING WORK

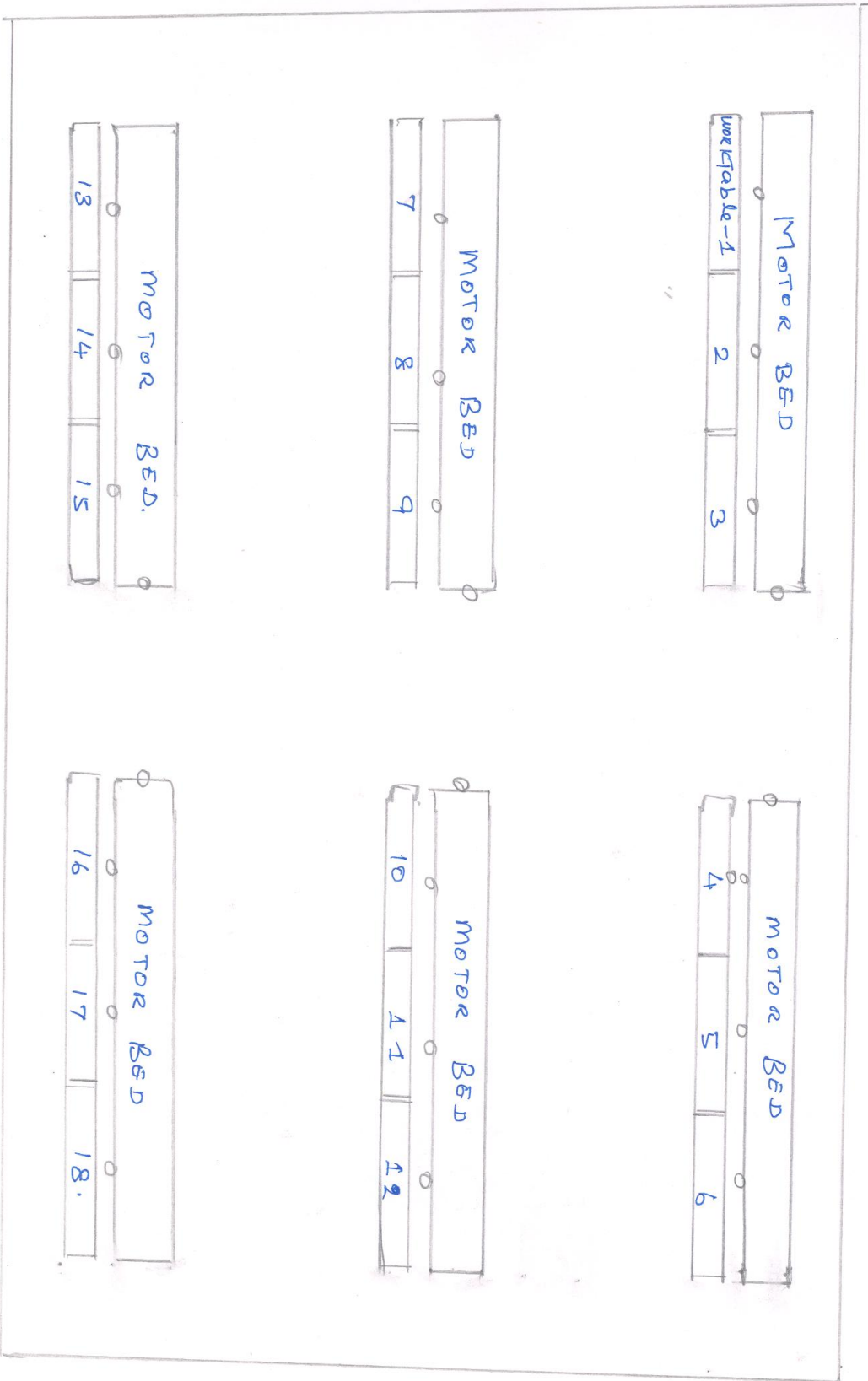


Figure:2

ELECTRIC DRIVES LABORATORY, TABLE CONNECTION TERMINALS.

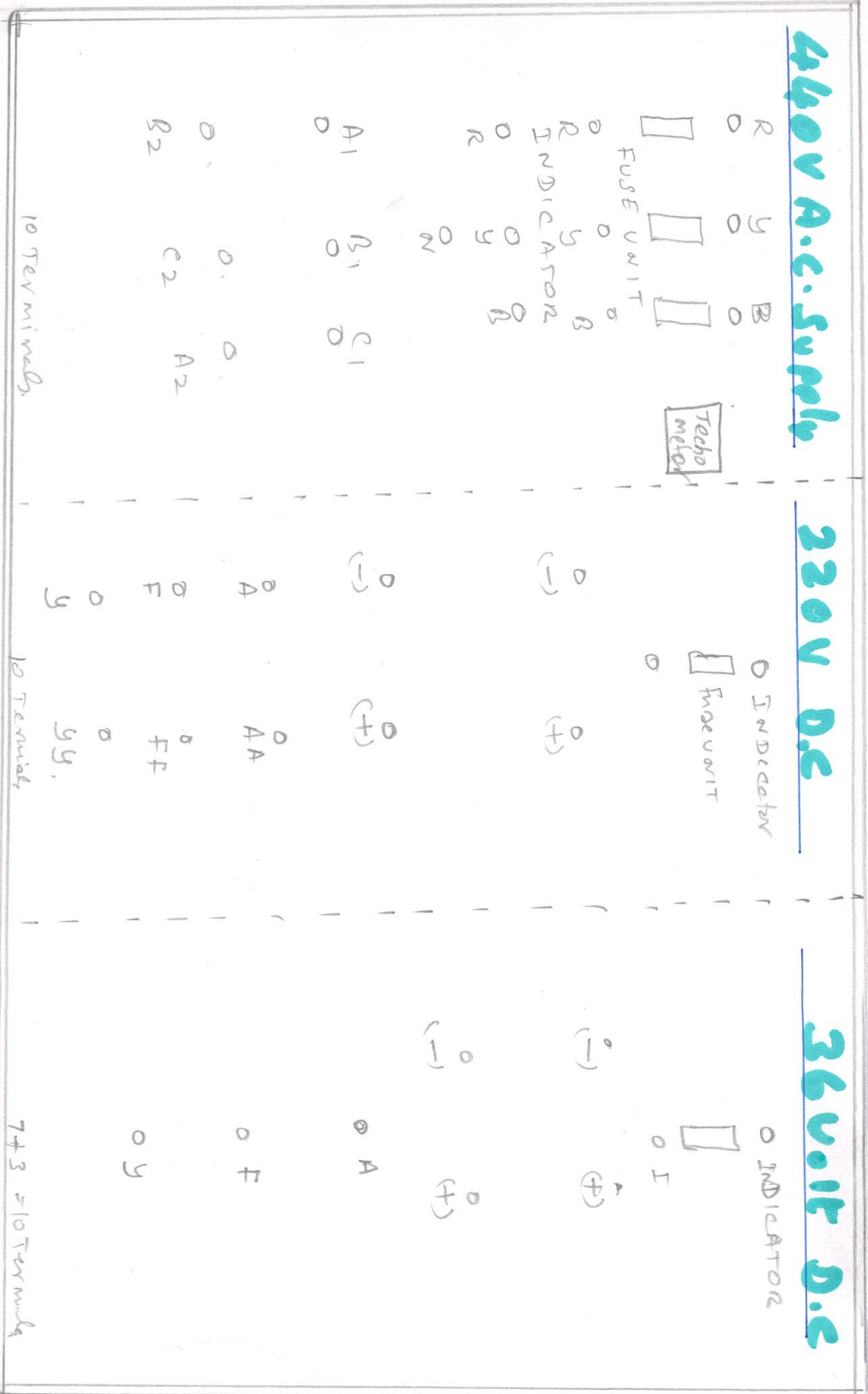


Figure:3

Quantity : **As per list enclosed**

Any other details/requirement : --

Warranty period required : 6 months

Delivery schedule (work completion) : Eight weeks
expected after release of purchase
order (in weeks)

Performance Security to be given by
Successful bidder after release of purchase order (in Rupees): **5% of the total cost**

SECTION: 4 PRICE SCHEDULE

[To be used by the bidder for submission of the bid]

- 1. Item Name :

- 2. Specifications (confirming to Section 3 of Tender document-enclose additional sheets if necessary) :

- 3. Currency and Unit Price :

- 4. Quantity :

- 5. Item cost (Sl.No.3 & Sl.No.4) (in Indian Rupees) :

- 6. Taxes and other charges :
 - (i) Specify the type of taxes and duties in percentages and also in figures
 - (ii) Specify other charges in figures

- 7. Warranty period (confirming to the Section 3 of Tender document. This should be mentioned in Technical bid also in order to get qualified for Financial bid) :

- 8. Delivery Schedule (confirming to the Section 3 of Tender document) :

- 9. Name and address of the firm for placing purchase order :

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm

SECTION : 5 CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. I, {Name of the Supplier's Firm) hereby abide to deliver theby the delivery schedule mentioned in the Section 3 Tender document for supply, installation and commissioning of the electrical work if the supply and work order is awarded.
2. The item will be supplied conforming to the specifications stated in the Tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the Tender document and service will be rendered to the satisfaction of NIT, Trichy during this period.

Signature of the Bidder :

Name and Designation :

Business Address :
.....
.....

Place :

Date :

Seal of the Bidder's Firm