



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR  
KHARAGPUR, WEST BENGAL 721302

E -TENDER DOCUMENT

*for*

**Providing energy metering panel board for different  
civil construction sites at IIT Kharagpur**

NIT No.: IIT/E/E&M/T/31/2019-20

***Notice Invitation Tender Serial No. IIT/E/E&M/T/31/2019-20 dated-25.07.2019***

Tender Serial No. \_\_\_\_\_ Issued to:

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## 1. NOTICE INVITING TENDER

### 1.1. INTRODUCTION

Indian Institute of Technology (IIT) Kharagpur, hereinafter called IITKGP, invites sealed tenders from the eligible contractors for “Providing energy metering panel board for different civil construction sites at IIT Kharagpur”. Particulars of the project are as following.

### 1.2. PARTICULARS

1.NIT Number	IIT/E/E&M/T/31/2019-20
2.Name of Work	Providing energy metering panel board for different civil construction sites at IIT Kharagpur
3.Location of Work	IIT Kharagpur. Kharagpur-721302
4.Estimated Cost(including GST)	₹ 3,02,021/- (Rupees Three lakh Two thousand and Twenty one only)
5.Earnest Money Deposit	₹ 6040 /- (Rupees Six thousand Forty only) <b>[Not mandatory for bidders registered under MSE category]</b>
6.Time Limit	<b>60 (Sixty) days..</b> days from Date of start
7.Tender Basis and Mode	Two stage (Technical Bid & Financial Bid)
8.Mode of Payment to IITKGP(EMD/Tender fee)	i) Original Demand Draft/Pay Order or copy of valid registration certificate under MSE category has to be submitted physically at the office of SE(E&M) on or before the due date/extended date of submission of bid.  & Scanned copy of Demand Draft/Pay Order/Registration under MSE category has to be uploaded on <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> ii) Demand Draft/Pay order to be drawn in favour of IIT KHARAGPUR payable at Kharagpur.
9.Date, Time & Venue of Pre-bid Meeting	<b>07<sup>th</sup> August 2019 at 3.30 pm</b> , in the meeting room of ESTATE (E&M), Head Office, 1 <sup>st</sup> Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302
10.Closing Date & Time for Receipt of bids	<b>20<sup>th</sup> August 2019 up to 15:30hrs</b>
11.Date& Time for Opening Technical of Bid	<b>21<sup>th</sup> August 2019 at 16:30hrs</b>
12. Date& Time for Opening of Price Bid	<b>To be informed later to the successful bidder</b>
13. Engineer-in-charge and contact details.	Mr Mahesh Kumar, Senior Executive Engineer Tel: 03222-282542, Email: maheshkr@hijli.iitkgp.ernet.in
14. Address for tender issue, submission and opening	Office of Senior Executive Engineer(Electrical),1 <sup>st</sup> Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302
15.Website for full and updated publishing information	<a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> <a href="http://www1.iitkgp.ac.in/topfiles/tenders.php">http://www1.iitkgp.ac.in/topfiles/tenders.php</a>
<b>16. Website for tender submission &amp; processing (This is e-Tender only submission by Online)</b>	<a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>

### 1.3. ELIGIBILITY CRITERIA

- 1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES or PSUs or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization.

- 1.3.2. The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost **or** 2 (TWO) similar works for projects each of value 60% of the estimated cost **or** 3 (THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization during last **7 (seven) years** preceding last date of the month of tender submission.

**Note:**

- (i) The estimated cost is **Rs. 3,02,021/- (Rupees Three lakh Two thousand and Twenty one only)**
- (ii) The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of applications for tender.

**Similar works shall mean: Electrical Distribution Panel works.**

- 1.3.3. The bidder or the specialized agency the bidder intends to associate with must be registered with appropriate government authority as a bonafide business entity and must have GST registration certificate and Permanent Account Number of income tax.
- 1.3.4. Electrical work shall be executed by selected bidder through agency holding electrical license and electrical supervisor license valid on date of execution.
- 1.3.5. The validity of the registrations and licenses should be valid as on the date of tender submission.
- 1.3.6. Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost, not having incurred loss in more than two years, during last 5 years ending 31 Mar 2019.

Sd/-

Senior Executive Engineer (EW)

On behalf of the **Director, Indian Institute of Technology Kharagpur**

**Copy to:**

- 1) Chief Engineer
- 2) Superintending Engineer (E&M)
- 3) Superintending Engineer (Civil)
- 4) Chief System Manager
- 5) Mr. S. Ghosh, Senior Executive Engineer (EW)
- 6) Executive Engineer (Telephone)
- 7) Engineer/Assistant Engineer/ Junior Engineer (E&M)
- 8) Notice Board
- 9) Tender Notice uploaded to CPPP portal & Institute Website

Office file

## 2. INFORMATION TO BIDDERS

### 2.1. GENERAL INSTRUCTIONS

- 2.1.1. The IITKGP intends to award the work of “**Providing energy metering panel board for different civil construction sites at IIT Kharagpur**”.The work consists of comprehensive repair, renovation and modification of existing electrical systems.
- 2.1.2. Constraint: The job needs to be executed in Residential area without causing any disturbances to the Residence of campus quarters and hostel resident and also road networks.
- 2.1.3. The vendor shall work out execution sequence and methodology so as to complete the project within the envisaged time and the estimated cost, duly handling the constraint mentioned above.
- 2.1.4. Bidding documents are to be obtained electronically through websites: <https://eprocure.gov.in/eprocure/app>
- 2.1.5. <http://www1.iitkgp.ac.in/topfiles/tenders.php>.
- 2.1.6. This bid document shall be read in conjunction with GCC (General Conditions of Contract) available on <http://www1.iitkgp.ac.in/topfiles/tenders.php>.
- 2.1.7. The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.
- 2.1.8. IITKGP shall not provide any space at site for labour hutments.
- 2.1.9. All clarifications about the tender shall be sought by bidder on or before **07<sup>th</sup> August 2019 3.30PM** through e-mail to the Engineer-in-charge on [maheshkr@hijli.iitkgp.ernet.in](mailto:maheshkr@hijli.iitkgp.ernet.in)
- 2.1.10. Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private individuals / organizations for whom such works have been executed shall not be accepted.
- 2.1.11. The bidding document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any), Addendum/Corrigenda, Clarifications to Pre-bid queries can be downloaded from the websites: i)<https://eprocure.gov.in/eprocure/app>
- 2.1.12. <http://www1.iitkgp.ac.in/topfiles/tenders.php>; iii)<https://eprocure.gov.in/eprocure/app>. Corrigenda, if any shall be published only on these websites *at any time before the closing time of tender*. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. *The tenderers who have downloaded the tender documents from website must visit the website and ensure that such addendum(s)/corrigendum(s) (if any) is also downloaded by them. This shall be the responsibility of the prospective registered bidders to check the web site for any such corrigendum/addendum before closing time of tender and ensure that bid submitted by them are in accordance with all the corrigendum's/addendums.*
- 2.1.13. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.
- 2.1.14. **Rates quoted by the bidders shall be inclusive of GST (Goods and Services Tax - Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labourcess etc. will be deducted from the bill as per prevailing rules.**
- 2.1.15. Exemption to IITKGP against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITKGP after award shall be passed on to IITKGP by the contractor without dispute.
- 2.1.16. IITKGP reserves the right to reject any or all of the bids without assigning any reason.
- 2.1.17. **Bid Validity:** Bid shall remain valid for 120 days from the date of submission.
- 2.1.18. **Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work & shall not attract any escalation under any circumstances whatsoever.**
- 2.1.19. If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if the such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITKGP for next 05 (Five) years.
- 2.1.20. **Earnest Money Deposit (EMD)** of requisite amount and that in prescribed mode or proof of payment thereof shall be enclosed with the Technical Bid explained in following section.
- 2.1.21. **Refund / Conversion of Earnest Money Deposit:** The Earnest Money received shall be refunded to the unsuccessful bidders without any interest after the opening of financial bids. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.

**2.1.22. Forfeiture of Earnest Money Deposit:** Earnest Money Deposit will be forfeited in any of the following cases:

- (i) The bidder withdraws / modifies his tender during the period of Bid Validity.
- (ii) The bidder, in case of tie between lowest bids, refuse to submit revised offer.
- (iii) The bidder does not accept the correction of arithmetical errors of his tender.
- (iv) The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time period before award of the work.

## 2.2. SUBMISSION OF TENDER

**2.2.1. Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal.[  
<https://eprocure.gov.in/eprocure/app>]**

**2.2.2. It is mandatory for all the bidders to have a valid Class-II/Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link [www.cca.gov.in](http://www.cca.gov.in)) to participate in e-Procurement of IIT KHARAGPUR.**

**2.2.3. It is mandatory for the bidders to get their firm /company registered with e-procurement portal <https://eprocure.gov.in/eprocure/app> to have user ID & password.**

**2.2.4. Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.**

**2.2.5. Bidders may download and refer the "Instructions for Online Bid Submission" from (<https://eprocure.gov.in/eprocure/app;jsessionid=A8B54EEC72D86DF9AA9D9B2DDACDAB8D.eprocgep4?page=BiddersManualKit&service=page>).**

**2.2.6. The tender documents shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Bill of Quantities are to be submitted in "Technical Bid".**

**Bill of Quantities with rates duly filled in are to be submitted in the format provided online in the name of "Financial Bid". Hence, physical submission of the documents is limited to submission of original Earnest Money Deposit in the form of Pay Order/ Demand Draft / Bank Guarantee/MSE registration certificate as per provision given in sub-clause 1.2.5 of NIT & 2.2.15 of Information to Bidders.**

**Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only, if such person presents the letter of authority issued in his name by the bidder on his letter head.**

**2.2.7. Bidders cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app> ("Server System Clock Time") shall be final and binding on the bidder. e-Bids are required to be submitted by bidders, only as per the Indian Standard Time (IST) and not the time as per their location/country.**

**2.2.8. The bidders are advised to submit their e-bids well before the e-bid due date. IIT KHARAGPUR shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.**

**2.2.9. The Technical and Financial Bid shall be digitally signed by the Authorized Signatory of the bidder & submitted "on-line" only. The authorized signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid. Scanned copies of various documents can be prepared in .pdf file format.**

**2.2.10. Any tender received without original Earnest Money in the form as specified in clause 1.2.8 of tender documents shall not be considered and shall be summarily rejected.**

**2.2.11. IIT KHARAGPUR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT KHARAGPUR's assessment of suitability as per eligibility criteria shall be final and binding.**

**2.2.12. Tenderers may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. EMD of such tenderer shall be forfeited. The decision of IIT KHARAGPUR in this regard shall be final and binding.**

**2.2.13. The sealed EMDs shall be received at the Office of Senior Executive Engineer(Electrical),1st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302, up to 15:30hrs, 20<sup>th</sup> August 2019 or Corrigenda otherwise.** Tenders received after the due date and time shall not be considered.

**2.2.14. The EMDs shall be submitted in a sealed envelope super scribed “Providing energy metering panel board for different civil construction sites at IIT Kharagpur” with NIT No. IIT/E/E&M/T/31/2019-20 as NIT No., clearly super scribed as “EMD “**

### 2.3. EVALUATION OF BIDS AND AWARD OF WORK

**2.3.1.** The Bid of bidder will be opened on the specified date and time. Bids shall, first, be checked for payment of **Earnest Money Deposit**. Only those bids found to have duly paid/ submitted Tender Fee and Earnest Money Deposit shall be considered for evaluation.

**2.3.2.** Evaluation of **Technical Bid**: The bids received will then be assessed on the eligibility criteria mentioned at para 1.3of Notice Inviting Tender. **Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.**

**2.3.3.** IITKGP retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter.

**2.3.4.** On the date & time specified for opening of Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time.

**2.3.5. EVALUATION OF Financial Bids:** The Financial Bid should contain the complete bid document with duly filled in Schedule of Financial Quote. Financial Bids opened as above will be checked for arithmetical errors.

**2.3.6. Letter of Acceptance:** The successful bidder shall be issued Letter of Acceptance (LOA) of the bid, and be required to furnish a Performance Guarantee as per General Conditions of Contract, Program Schedule with specific Milestones to be achieved as to complete the work within the stipulated time limit, details of his Technical Staff to be deployed as per ANNEXURE-I, and complaint handling arrangement for the Defect Liability Period.

**2.3.7. Letter of Award (Work Order)** shall be issued to the successful bidder only after receipt of the Performance Guarantee, along with Program Schedule, details of Technical Staffs to be deployed for the work and Complaint Redressal Mechanism **as per following para.**

**2.4.8 (a)** Contractor shall submit Complaint redressal arrangement with name & contact number of the contractor’s authorized representative for the purpose.

**2.3.8. Agreement (Contract)** consisting of complete tender document including conditions, bill of quantities, technical proposal and specialized services, drawings, if any, and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee **within 10 days** of the Letter of Award.

**2.3.9. Date of start** of work shall be reckoned from **the 10<sup>th</sup> day** of the issue of the Work Order.

**2.3.10. Defect Liability Period (DLP):** In partial modification to clause no.16 of General Conditions of Contract (GCC), the Defect Liability Period shall be **12 months** after the certificate final or otherwise of its completion of work or till the final bill has been prepared.

### 2.4. COMPLAINT REDRESSAL MECHANISM

**2.4.1.** All maintenance complaints shall be got addressed by the contractor to the satisfaction of Engineer-in-charge within 3 days from the date of issuance of the “Job Card” from IIT Kharagpur.

**2.4.2.** Complaints requiring completion time more than 3 days shall be responded specifically by the contractor with the scheme, in consultation with Engineer-in-charge, and timeline for compliance, to the Engineer-in-charge within 3 days from the date of issuance of the “Job

**2.4.3.** Any complaint left unattended by the contractor beyond 3 days without specific reasons on record shall attract levy of penalty of Rs 50/- per complaint per day from 4th day to 7th day and Rs 100/- per complaint per day thereafter recoverable from dues to the contractor.

## 3. UNDERTAKING BY THE BIDDER

### U N D E R T A K I N G

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Kharagpur within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs. \_\_\_\_\_ has been deposited in cash / demand draft of a scheduled bank / Pay order as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Director, Indian Institute of Technology Kharagpur or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / we fail to commence work as specified, I / we agree that the Director, Indian Institute of Technology Kharagpur shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We hereby declare that I / We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**Seal & Signature of Contractor**

Postal Address

**Dated**

**Witness**

**Address**

**Occupation**



## ANNEXURE-I

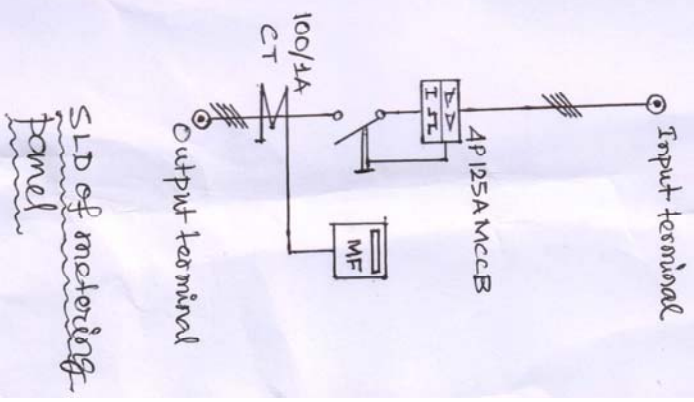
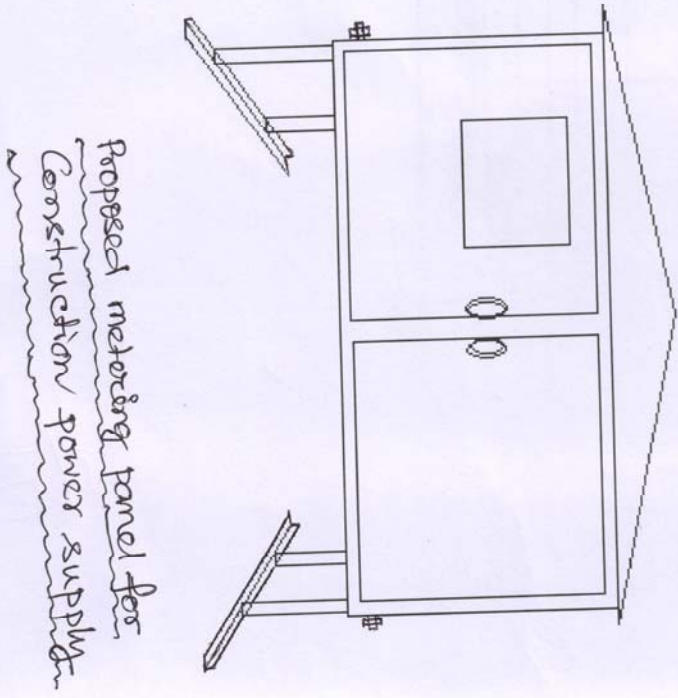
**TECHNICAL STAFF OF CONTRACTOR**

Name of the Work: Providing energy metering panel board for different civil construction sites at IIT Kharagpur

DISCIPLINE	NAME	QUALIFICATION	EXPERIENCE	CONTACT NUMBER
Overall Project In-charge				
Engineer - Structure and Civil Works				
Engineer – Electrical & Mechanical Works				
In-charge - Safety, Health & Environment				
In-charge for Maintenance (DLP) period				

Seal &amp; Signature of Contractor

Diagram



1. Checklist for Documents to be uploaded on <https://eprocure.gov.in/eprocure/app>

Sl. No.	Documents	Reference
1.	Tender Documents	2.3
2.	EMD (upload only scan copy, original to be submitted in the office address within specified date and time)	1.2.8
3.	Company registered by Govt. Organisation like CPWD/PWD/MES/Autonomous bodies or Other PSUs	1.3.3
4.	GST Registration Certificate	1.3.3
5.	Permanent Account Number	1.3.3
6.	<b>Average Annual Turnover</b> <b>(as per ITCC profit &amp; loss statement shall not be less than 30% of Estimated cost)</b>	<b>1.3.5</b>
7.	Completion Certificate during last 07yrs.	1.3.2
8	Updated Electrical Contractor Licence	
9	<b>Updated Electrical supervisor license</b>	
10	ANNEXURE-I	

Signature of contractor

1. The work shall be carried out as per national code or C. P. W. D specifications for works with correction slips issued up-to date unless otherwise specified in the schedule of quantities for the works.
2. The following Indian Standard Specifications and Codes of Practice will apply to the equipment and the work covered by the scope of this contract. In addition the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended upto date shall also apply. Wherever appropriate Indian Standards are not available, relevant British and/or IEC Standards shall be applicable.

BIS certified equipment shall be used as a part of the Contract in line with Government regulations. Necessary test certificates in support of the certification shall be submitted prior to supply of the equipment.

It is to be noted that updated and current Standards shall be applicable irrespective of those listed below.

Low voltage Switchgear and Controlgear specifications IS 13947 : 1993

Part I – General

Part 2 – Circuit Breakers

Part 3 – Switch Fuse Units

Part 4 – Contactors and Motor Starters

Part 5 – Control Circuit Devices

Electrical Relays for power system protection IS 3231 : 1986

Low voltage Switchgear and Control gear assemblies IS 8623 : 1993

Marking of Switchgear busbars IS 11353 : 1985

Degree of Protection of Enclosures for low  
voltage switchgear IS 2147 : 1962

Code of Practice for selection, installation and  
maintenance of Switchgear IS 10118 : 1982

4. No under-ground work or above the false ceiling shall be covered until the same has got approved by the Engineer-in-charge. The contractor will supply the drawings of specific works for approval, if required
5. All the old wiring has to be dismantled with proper care. The reusable old materials if any are to be handed over to departmental store with proper documentation and the other non reusable (nil reselling value) will be disposed by the contractor. The contractor shall clear the site thoroughly of all scaffolding materials & rubbish etc. left out of his work & dress the site around the building to the satisfactions & his decision in writing shall be final & binding on all concerned
6. Special care to be taken to avoid any theft of electrical fittings and fixtures while executing the work.
7. The location of Panel / DB / Switch board / Light point / Fan point will be as per existing location or as per the instruction of Engineer-in-charge.
8. All the wiring will be done with feruling and cable / Wire termination by required size or lugs of required materials and It should be noted that license wire man shall only be allowed for the wiring work.

#### **Electrical safety at work site**

The contractor will identify one of the supervisors for taking care of implementation of Safety systems.

The Contractor should follow the following General Guidelines governing the safety rules as laid down under:

Usage of eye protection equipment shall be ensured when workmen are engaged for grinding, chipping, welding and gas-cutting. For other jobs as and when site safety co-coordinator insists eye protection has to be provided.

1. All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.
2. All excavated pits shall be barricaded & barricading to be maintained till the backfilling is done. Safe approach to be ensured into every excavation.
3. All the dangerous moving parts of the portable / fixed machinery being used shall be adequately guarded.
4. Ladders being used at site shall be adequately secured at bottom and top. Ladders shall not be used as work platforms.

5. Material shall not be thrown from the height. If required, the area shall be barricaded and one person shall be posted outside the barricading for preventing the tre-passers from entering the area.
6. Other than electricians no one is allowed to carry out electrical connections, repairs on electrical equipment or other jobs related thereto.
7. All electrical connections shall be made using 3 or 5 core cables, having a earth wire.
8. Inserting of bare wires for tapping the power from electrical sockets is completely prohibited.
9. A tools and tackles inspection register must be maintained and updated regularly.
10. Debris, scrap and other materials to be cleared from time to time from the workplace and at the time of closing of work every day.
11. All the unsafe conditions, unsafe acts identified by contractors, reported by site supervisors and / or safety personnel to be corrected on priority basis.
12. No children shall be allowed to enter the workplace.
13. All the lifting tools and tackles shall be stored properly when not in use.
14. Clamps shall be used on Return cables to ensure proper earthing for welding works.
15. All the pressure gauges used in gas cutting apparatus shall be in good working condition.
16. Proper eye washing facilities shall be made in areas where chemicals are handled.
17. Connectors and hose clamps are used for making welding hose connections.
18. All underground cables for supplying construction power shall be routed using conduit pipes.
19. Spill trays shall be used to contain the oil spills while transferring / storing them.
20. Tapping of power by cutting electric cables in between must be avoided. Proper junction boxes must be used.
21. Non-compliance to above shall invite a penalty recovery as per 3.22.8.