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**E-TENDER
BIDDING DOCUMENT FOR
ELECTRICAL L.T. WORKS FOR WORKSHOP FLOOR
At CIPET: IPT, Kochi**

**ONLINE TENDER NO.
CIPET: IPT/KOCHI/ELEC/WORKSHOP/2019-20/08
LAST DATE FOR SUBMISSION OF ONLINE BIDS: 24/02/2020**

**CIPET: INSTITUTE OF PLASTICS TECHNOLOGY (IPT)
(Dept. of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)
HIL Colony, Pathalam, Udyogamandal P.O., Kochi – 683501.**

Phone: 0484 – 2546740

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Website: www.cipet.gov.in



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CIPET: IPT/KOCHI/ELEC/WORKSHOP/2019-20/08

Dated 08.02.2020

Online tender, (two bid system – technical and financial) are invited from reputed contractors/ service providers for **Electrical LT Works For Workshop Floor** at CIPET: IPT, Kochi.

Sl. No.	Description of Work	PAC (in Rs.)	Time allowed for completion of work	EMD (Rs.)	Cost of tender form (In Rs.)	
					Tender Cost	Online Processing fee
1	Tender documents for Electrical LT works for workshop floor at CIPET: IPT, Kochi	3 Lakhs	20 days from the date of award of work	Rs.15,000 (in the form of demand draft drawn from any nationalized bank in favour of CIPET: IPT, Kochi	1000/-	As per the charges prescribed in tender wizard site

1. Interested and eligible bidders may view and download details tender documents from CIPET's e-tender portal www.tenderwizard.com/CIPET or www.cipet.gov.in. All bids must be submitted through the online portal www.tenderwizard.com/CIPET. The last date for online submission of tender-24.02.2020, 03.00 pm. The bidders are also requested to submit a hard copy of the online technical bid duly sealed and signed to the Principal Director & Head, CIPET: IPT, HIL Colony, Pathalam, Udyogamandal P.O, Kochi-683501 on or before 24.02.2020, 04.30 p.m.
2. The Tenderers have to digitally sign their bids before submitting the bids hashes online thus the tenderers are advised to obtain Digital Certificates.
3. Tender documents are available in our e-tendering website www.tenderwizard.com/CIPET which can be downloaded from 10.02.2020 to 24.02.2020 in regular office hours.

4. The tenders are required to be submitted physically as per dates Indicated in key dates. The physical Envelope should contain all necessary documents as mentioned in “Essential documents for the Bid-I” by speed post / hand only to the CIPET: IPT, Kochi, India 683501.
5. Tender cost of Rs.1000/- (Non-refundable).
6. Tender which qualifies technically will only be considered for opening of Financial Bid, rest of the financial bid will be rejected. CIPET: IPT, Kochi reserves the right to reject any or all the tenders received without assigning any reason(s) thereof.

Technical Document

Kindly upload scan copies of the below mentioned documents & submit physical copy of the documents in CIPET office on or before 24/02/2020, 04.30 p.m.

Online Upload Technical Document (as mentioned in “Essential documents for the Bid-I”) (TB)

1. Contractor registration certificate with PWD or any other Government Agencies
2. Copy of EPF/ PF Registration certificate.
3. Banker’s Solvency Certificate.
4. Attested copies of Balance sheet & ITR of last 3 years.
5. Copy of PAN card and GST Registration Certificate.
6. General approach & methodology proposed.
7. valid electrical licence of eligible class.
8. Work performance & Bar chart.
9. Drawing.
10. Quality assurance plan.
11. EMD payment proof.
12. Any other document.

Online Tender Schedule:

Tender Release Date: 10.02.2020

Last date for online Bids submission: 24.02.2020, 3.00 p.m.

Tender opening date (Technical Bid): 24.02.2020, 04.00 p.m.

Tender opening date (Financial Bid): After the evaluation of technical bid.

For Technical Support-Tender Wizard

Name of the Service Provider: KEONICS		
Contact Person	Telephone/E-mail	Remarks
Local Representative of KEONICS (Cochin): Mr. Tharanatha P	Mobile: 09746118519 E-mail: twhelpdesk213@gmail.com	For, Vendor registration/ DSC/any other issue Regarding e-Tender Process, please contact KEONICS as the details given in the previous columns

Essential Documents for the Bid - I

The eligibility criteria (First Part) for participation in the tender are as under:

1. The tenderer should have successfully completed at least two works in single contract of similar nature with Govt. / reputed institutions of not less than Rs.1.5 lakhs in the last five years. The current year completed part work can be considered as qualifying amount. They have to produce supportive documents in this respect from the employer.
2. The tenderer should submit Banker's solvency certificate to the extent of Rs.15,000/-.
3. The tenderer has to submit attested copies of balance sheet certified by CA and copies of Income Tax returns for the last 3 years.
4. Certificate from individuals / architect or consultant for completed works shall not be accepted.
5. A copy of PAN card and GST registration certificate.

The first part will also include the following:

- i. The general approach and methodology proposed for carrying out the items covered in the scope of work should be submitted, including such detailed information as deemed relevant. Apart from the above, contractor shall give details and number of equipments, to be mobilized to complete work as per specifications, in stipulated time schedule.
- ii. Detailed overall work programme and a bar chart indicating the duration and timing of all major activities showing the desired milestones.
- iii. List of codes of standards in addition to those mentioned in the specifications.
- iv. The tenderers shall submit the quality assurance plan duly signed by authorized person.

Note: The tenders for Electrical LT Works for Workshop Floor published in 09.02.2020 in The Hindu – Ernakulam edition and Mathrubhumi – Ernakulam Edition.

Terms and conditions:

1. The tenders without Earnest Money Deposit and documents required in Part-1 (Eligibility criteria) shall be rejected straightway. Late receipt of tenders shall not be entertained.
2. The EMD of unsuccessful tenderers in Technical competence will be returned within 3 working days.
3. The EMD of successful tenderer who fail to enter with agreement and deposit the security deposit as per terms of tenders will be forfeited.
4. The EMD of other unsuccessful tenderers of part II will be returned after finalization of the tender.
5. If the day of opening of the tender is declared holiday, the tender will be opened on the next working day.
6. The tenderers have to submit the no relation certificate to CIPET in the format of self undertaking or authorized certificate.
7. The cuttings and overwriting in tenders may be avoided as far as possible. If cuttings are unavoidable, the terms may be rewrite and attested.
8. For the above work, the contract i.e. Electrical LT Works for Workshop Floor at CIPET: IPT, Kochi. can be awarded to a single contract basis.

This information is available on our website www.cipet.gov.in

**Principal Director & Head
CIPET: IPT, Kochi.**

**ESTIMATION OF COST FOR ELECTRICAL LT WORKS FOR WORKSHOP FLOOR AT,
CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY, KOCHI**

(Rates to be quoted through online only)

SI No	ITEM	QUANTITY	UNIT	Rate	Amount
1	Supplying and fixing Three phase 4 way MCB DB double shuttered. with 40A / 30 mA 4P ELCB as incomer and suitably rated SP MCBs – 12 Nos as outgoings for protection and control, giving connections including cable entry cum gland box as required.	2.00	Nos.		
2	Supplying all materials and wiring for light and exhaust fan points using 1 sq.mm. 650V grade PVC insulated copper conductor single core stranded wires, including circuit mains and earth conductor of SWG No 14 bare copper continuously run as per IS through ISI grade medium gauge rigid PVC conduits concealed in wall/ slab etc. complete with necessary accessories, including supplying and fixing 6A modular type switch housed in a suitable factory made MS box with moduled front plate including earthing the box etc. complete as required.	130.00	Nos		
3	Supplying all materials and wiring for fan points with modular step regulator using 1 sq.mm. PVC insulated copper conductor single core stranded wires of 650V grade including circuit mains and earth conductor of SWG No.14 bare copper conductor continuously run as per IS through ISI medium grade rigid PVC conduits concealed in wall / slab etc. complete with necessary accessories, including supplying and fixing 6A modular type switch and 100W electronic fan regulator housed in a suitable factory made MS box with moduled front plate including earthing the box etc complete as required.	30.00	Nos.		
4	supply and installation of TV power point using 1.5 sq.mm. PVC insulated Cu wire drawn through 20mm PVC conduit along with SWG No.14 cu. earth wire up to and including supply and fixing of 2 Nos. of pin	4.00	Nos.		

	sockets controlled by 2 Nos. of 6A switches mounted in a suitable metal box as per standards.				
5	Supply and installation of modular type coaxial TV socket mounted in a suitable factory built MS box with earthing facilities as per standards.	2.00	Nos.		
6	Supply Wiring two run of the 1.5 Sq.mm. PVC insulated copper wire with suitable wire for earth through recessed 20mm dia. Rigid PVC pipe with bend elbow etc. for wiring switch board to switch board (including fixing of PVC conduits)	200.00	Mtr.		
7	Supply and wiring two run of 2.5 sq.mm. insulated copper wire with suitable wire for earth through recesses 20mm dia Rigid PVC pipe with bend elbow etc. for circuite wiring from DB to switch board (including fixing of PVC conduits)	300.00	Mtr.		
8	Supply and wiring two run of 4 sq.mm. insulated copper wire with suitable wire for earth through recesses 20mm dia Rigid PVC pipe with bend elbow etc. for circuite wiring (including fixing of PVC conduits)	100.00	Mtr.		
9	Supplying all materials and wiring for 6A plug points in independent positions using 1.5 sq.mm PVC insulated copper conductor single core stranded wire including circuit mains and fixing 6A modular type shuttered plug socket (2 in 1) controlled by 6A switch with moduled front plate, housed in a suitable factory built MS box. Giving connections, earthing etc complete as required.	26.00	Nos.		
10	Supply, wiring and installation of 20A AC points using 2 runs of 4 sq.mm. PVC insulated fine stranded copper wire drawn through 20mm ISI grade rigid PVC conduits along with 1 run of suitable copper wire all accessories including module plate, MCB DP switch etc. as required.	4.00	Nos.		
11	Supply all materials and fixing of 3 pin 16/6A power points, fixing of standard modular type three pin unisocket controlled with one	26.00	Nos.		

	16A SP switch.				
12	Supplying and laying of ISI grade rigid PVC conduits concealed in wall/slab etc complete with necessary accessories for telephone/cable TV/music system wiring. The rate includes chasing of wall/slab and plastering the chased portion as required.	150.00	Mtr.		
13	Supply and fixing modular data/telephone socket on factory made MS box, Front plate giving connection etc as required.	8.00	Nos.		
14	Supply and drawing of data cable	100.00	Mtr.		
15	Supply and drawing of coaxial cable	100.00	Mtr.		
16	Supply and drawing of telephone cable	100.00	Mtr.		
	<u>EARTHING</u>				
17	Supply, erection testing and commissioning on continuous earthing conductors and earth pits as per the general specifications and as per IS 3043/87 with its latest provisions if any.				
17(a)	Supply and laying of all materials and providing 40mm dia 2.5 M long GI pipe earth station as per IS 3043/87 including excavation of earth in all classes of soil with funnel salt, charcoal etc. in all respects.	2.00	Nos.		
17(b)	Copper wire No. 10 SWG	50.00	Mtr.		

(The above area mentioned is approximate only)

<u>MAKE OF MATERIALS FOR CIPET WORKSHOP ELECTRICAL LT WORKS</u>		
SI No	Description	Makes
1	MCCB	ABB,LT
2	DB/MCB/RCCB/RCBO	Legrand, ABB
3	PVC Electrical Conduit and accessories with ISI	Balco, Konseal
4	PVC accessories with ISI	Precision, Asian, Balco
5	Modular type switch& socket, TV, Telephone & Computer Socket	Legrand-Myrius

6	Telephone Cable	Delton, RR kabel, Finolex
7	16A/20A metal clad plug & socket	Legrand
8	Telephone Connector	Krone
9	Wire	Havells, Anchor, Orbit

Taxes:

Goods and Service Taxes applicable as per the existing rate. The rates quoted above should be all inclusive.

MINIMUM ELIGIBILITY CRITERIA:

(a) Experience

The tenderers should have completed successfully at least 3 similar electrical works during the last 5 years (preferably in Govt. or PSU organizations) each costing not less than Rs.1.5 Lakhs. Work order and completion certificate to be submitted.

(b) Financial Turnover

Average Financial Turnover of the tenderer over the last three financial years ending 31st March of the previous financial year shall not be less than 10 lakhs.

(c) Capability for execution

In house manufacturing facility, skilled labour and other machinery/tools, cranes etc. To execute the work in time bound manner. (20 days)

ONE BID PER BIDDER:

Each bidder shall submit only one bid. A bidder who submits or participates in more than one Bid will cause all the proposals with the Bidder's participation to be disqualified.

COST OF BIDDING:

The bidder shall bear all costs associated with the preparation and submission of his Bid, and the CIPET: IPT-Kochi will in no case be responsible and liable for those costs.

SITE VISIT:

The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the work site and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for execution of the Works. The costs of visiting the site shall be at the Bidders' own expense.

CLARIFICATION OF THE BIDDING DOCUMENTS:

The Tenderers are advised to examine the Tender Document carefully and if there be or appear to

be any ambiguity or discrepancy in the documents, or any clarifications needed on the Tender Documents; these shall be referred to the Principal Director & Head, CIPET: IPT, Kochi and got it clarified well in advance. The date of submission of bids prescribed in the tender document should be strictly followed.

Principal Director & Head,
CIPET: IPT, HIL Colony, Pathalam,
Udyogamandal P.O,
Eloor,
Kochi-683501
Ph:- 0484 – 2546740
Email: kochi@cipet.gov.in , cipetkochi@gmail.com

PRE-BID MEETING:

No pre bid meeting will be held for this tender.

AMENDMENT OF BIDDING DOCUMENTS:

Principal Director & Head, CIPET: IPT-Kochi shall have the right to omit or suspend certain items of work or revise or amend the Bid Documents prior to the due date of submission of the Bid by issuance of addendum/corrigendum. Any addendum / corrigendum thus issued shall be part of the tender documents. The addendum/corrigendum, if any, shall only be hosted in the e-tender portal as well as in the website of the CIPET as mentioned above. It is the responsibility of the Bidders to download such addendum/ corrigendum hosted in the website and submits the same duly signed along with the Bid. In order to afford the Bidders with reasonable time to take addendum into account, or for any other reason, the CIPET may, at its discretion, extend the due date for submission of Bid and bid extension notice shall be hoisted in the web site.

INSTRUCTIONS TO BIDDER

1. The contractor shall make his own arrangements to draw water & power from source point (as provided by the owner) at his own cost.
2. The tenderer shall associate:
 - (i) CPWD/PWD/KSEB enlisted contractors of appropriate class in composite category having valid electrical license.

OR

- (ii) Specialized agencies, having valid electrical license, who have satisfactorily completed three works of similar nature of each costing not less than amount equal to 40%of tendered amount of corresponding sub work, or two works of similar nature each costing not less than amount equal to 60%of tendered amount of corresponding sub work or one work costing not less than amount equal to 80% of tendered amount of corresponding sub work

during the last five years ending previous day of last day of submission of bids. The value of executed similar 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 previous day of last day of submission of bids.

3. All signatures in tender paper shall be dated, & all the pages of all sections of tender documents shall be initialed at the lower right hand corner or signed wherever required in the tender papers by the Tenderer or by a person holding power of attorney authorizing him to sign on behalf of the Tenderer should sign before submission of tender.
4. Rates to be in figures and words.
5. Corrections & Erasures: All corrections & alterations in the entries of tender paper will be signed with full signature by the Tenderer with date. No erasures or over writings are permissible.
6. Tenders submitted by Tenderers shall remain valid for acceptance for a period of 120 days from the date of opening of the tender.
7. No interest shall be paid by the owner on earnest money. The earnest money of the unsuccessful Tenderers will be refunded without any interest soon after the decision towards the work is taken or after the expiry of the validity period of the tender.
8. If the contractor fails to complete the work within the period he shall pay liquidated damages (Compensation for delay) to the owner, as stipulated in the general conditions of contract.
9. Stores to be issued: No material shall be issued by CIPET: IPT-KOCHI. Contractor has to arrange all materials, required for this work.
10. The Contractor shall employ technically qualified site engineer and competent supervisors for the work shall be available (by turn) throughout the working hours to receive and comply with instructions of the Employer/Architects.
11. The Contractor shall comply with the provisions of all labour legislation for the time being in force and also enacted time to time. Any labour disputes should be taken care by contractor and CIPET will not be held responsible for any such labour disputes.
12. **ESCALATION:** The rate quoted shall be firm throughout the tenure of the contract (including extension of time if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labor, sales tax, octroi etc., unless specifically provided elsewhere in these documents.

PAYMENT TERMS:

The payment will be released based on the bill preferred by the contractor. The payment will be based on actual measurements, supply of materials, fixing and laying charges as certified by the architect and approved by the competent authority

DEFECT LIABILITY PERIOD:

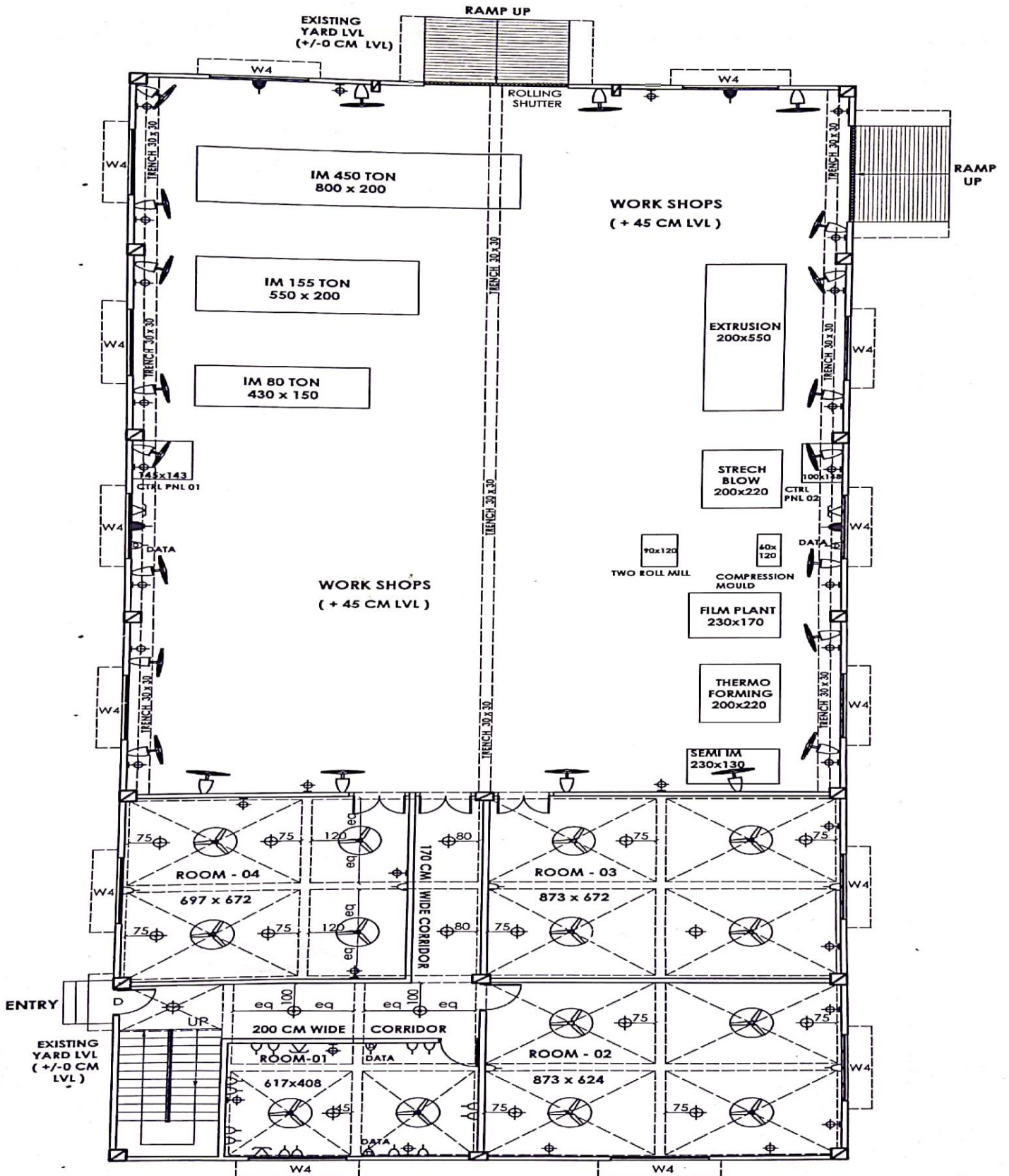
Twelve months from the date of completion of work as certified by the architect

LIQUIDATED DAMAGES:

If the contractor fails to complete the works within the time period(s) specified in the Contract, the CIPET shall, without prejudice to its other remedies under the contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5 percent of the contract price of the delayed work or unperformed services for each week of delay until actual performance, up to a maximum deduction of Max of 10% of the delayed works or services of the Contract price. Once the maximum is reached, CIPET may consider for termination of the contract and may initiate for process for blacklisting.









Kindly revert for any further clarifications, you may need, please feel free to contact Mob: 9884246021/8170031772. E-mail: cipetkochi@gmail.com.

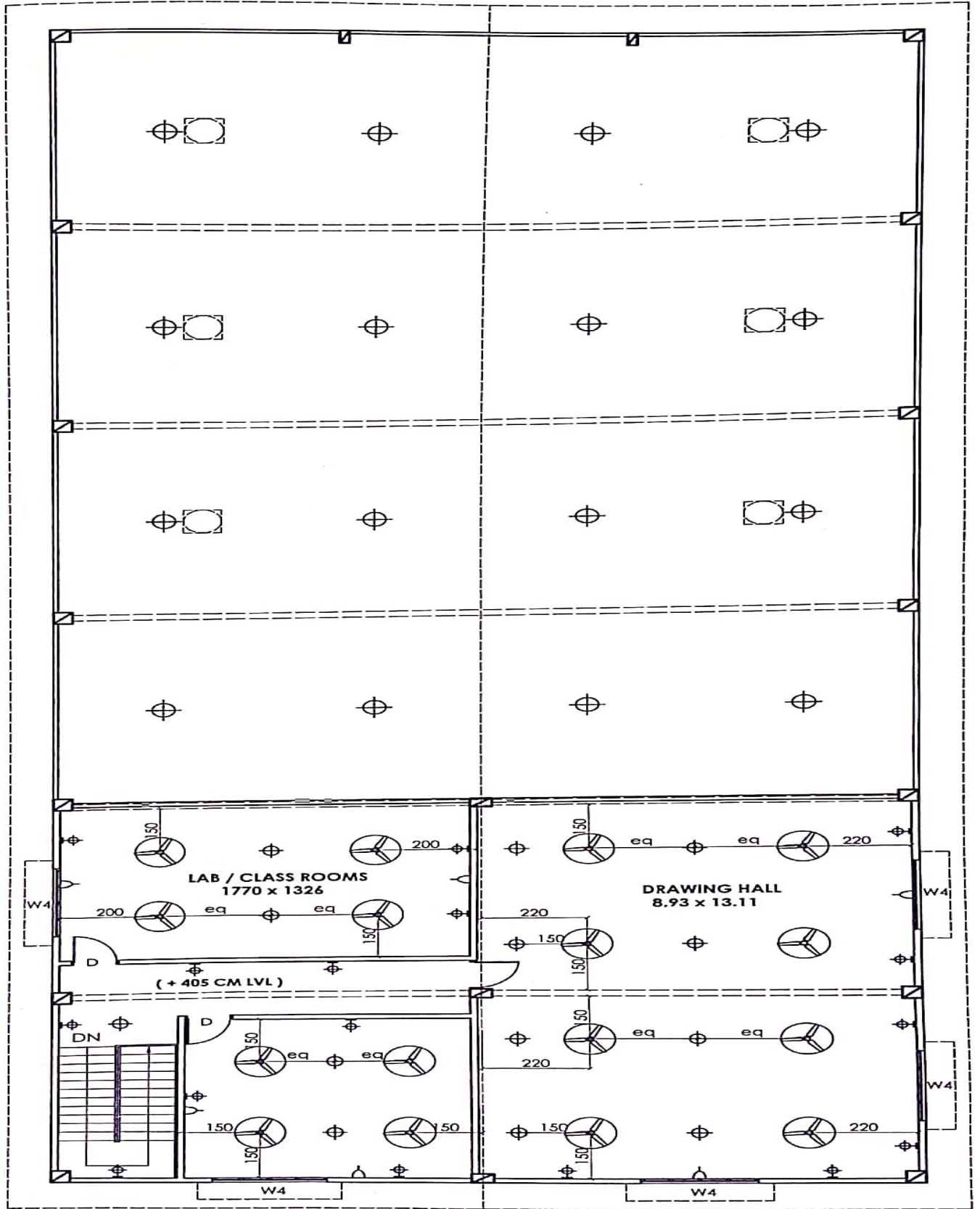
**Principal Director & Head
CIPET: IPT, Kochi**



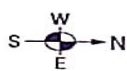
GROUND FLOOR PLAN S  N

LEGEND

	Ceiling Fan Point	30/		Telephone Point	04
	Ceiling Light Point	47		Data	04
	Wall Light Point	48		6A Socket with Switch	26
	Wall Fan Point	22		16A Socket with Switch	04



MEZZANINE FLOOR PLAN



LEGEND

	Ceiling Fan Point		Telephone Point
	Ceiling Light Point		Data
	Wall Light Point		6A Socket with Switch
	Wall Fan Point		16A Socket with Switch