

**e-Tender Document for**  
**Supply and Installation of *Lab Table***  
**at**  
**CIPET:PPEC,Paradeep**



**TENDER NO. CIPET:CSTS/BBSR/PPEC/LAB TABLE/2019-20/07**

**LAST DATE FOR SUBMISSION OF BID: 23.03.2020**

**CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY**  
**(Ministry of Chemicals & Fertilizer, Govt. of India)**

CIPET:CSTS,S-3/79, Sector-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar, Odisha 751010

Tel:0674-2588203/2588392 ,Fax : 0674-2588087

e-mail :cipetsat@gmail.com,mcti@cipet.gov.in

Web: cipet.gov.in

**CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY**  
**(Ministry of Chemicals & Fertilizer, Govt. of India)**

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### e-TENDER NOTICE

CIPET:CSTS Bhubaneswar invites bids through e-Tender **UNDER SINGLE STAGE TWO BIDS SYSTEM IN e-TENDER PORTAL ([www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET))** from reputed Manufacturers/authorized suppliers & distributors having valid PAN, IT Return & GST Registration Certificate for **“Supply and installation of Laboratory Furniture”** at CIPET:PPEC, Paradeep. Bid offers should be of two parts viz., Technical Bid & Commercial Bid.

Sl. No	Description	EMD in ` (Refundable)	Tender Fees in ` (Non-refundable)
01.	Supply and installation of Laboratory Furniture at CIPET:PPEC Paradeep	50,000	2500 plus 18% GST

Please visit our website for downloading our bid documents, technical specification and other terms & conditions.

Interested and eligible bidders may view and download detailed tender documents from CIPET's e-Tender portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET), [www.cipet.gov.in](http://www.cipet.gov.in). All Bids must be submitted through the online portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET). However, Bidders are also requested to submit a hard copy of the online Technical Bid duly sealed and signed to **CIPET:CSTS,S-3/79, Sector-A, Zone-B, Mancheswar Industrial Estate, Bhubaneswar, Odisha- 751010**.

The last date for submission of the bid is as mentioned below:

**Last date for issue of tender in the portal** : 23.03.2020 Time ----- 17:00 Hrs  
**Last date of submission of Tender in the portal** : 23.03.2020 Time ----- 17:00 Hrs  
**Date of Opening of Tender** : 24.03.2020 Time ----- 11.00 Hrs

The amounts towards Tender fee and EMD should be submitted separately in the form of Demand Draft drawn on any Indian nationalized bank in favour of **“CIPET CSTS , Bhubaneswar** payable at Bhubaneswar and shall be submitted at CIPET :CSTS Bhubaneswar as specified on or before 23.03.2020 up to 17.00 Hrs. in separate sealed cover failing which bids will be summarily rejected. However, a soft copy of the Tender Fee and EMD instruments shall also be uploaded along with the Technical Bid to be submitted online. **Bids without Tender fee will not be accepted.** The undersigned reserves the right to accept/reject any or all Tenders without assigning any reason thereof. No claims whatsoever shall be entertained for the loss/damage suffered by the parties/bidders on account of such rejection.

**Deputy Director & Head**  
**CIPET:CSTS, Bhubaneswar**

## 1. Eligible Criteria for Bidders :

- Age of the Firm : More than 03 Years as on 07.02.2020.
- Average Annual Turnover Rs. 1.00 Crore & above in last three financial year(2016-17, 2017-18 & 2018-19).
- Audited Balance sheet for the last 3 years
- Up-to-date IT Return for the last 3 years, PAN Card & GST Registration Certificate, copy of GSTR, - 1 & GSTR-3B for last 3 months.
- Self declaration on “**NO PENDING LITIGATION**”.
- All Bids should be accompanied by the Bid document fee for the requisite amount without which the financial bid of the bidders shall not be opened & will be out rightly rejected.
- The Bidders should provide undertaking for faster & better serviceability within 24hrs of service call.
- The Bidders shall give a list of his relatives working with the CIPET along with their designations and addresses.
- The Bidder either be an Original Equipment Manufacturer (OEM) for the items quoted in this tender or their authorised representative. Proof of Manufacturing is to be attached. Client may also visit and inspect the Manufacturer set up as deemed fit.
- The Bidder must be in possession of valid trade license from appropriate authority for carrying on business/establishment etc. The documents must be enclosed.
- The quoted product should not be under end of sales or end of support in next 5 years from the date of submission.
- Individual Work Order in support of experience of executing similar works for supply of Laboratory furniture to Corporate Offices/Institutions/Central Autonomous Body/Central Public sector undertaking/others etc. with a single order valuing Rs.30.00 Lakhs or two work order each valuing more than Rs. 15.00 Lakhs & above during the last 3 financial years (2016-17, 2017-18 & 2018-19). Please enclose copy of work orders.
- The Bidders must enclose list of their customers with satisfactory performance certificate.

**CIPET reserves the absolute right to accept/reject any or all bids at any stage of the tender process without assigning any reason whatsoever.**

**Deputy Director & Head  
CIPET,CSTS,Bhubaneswar**

**Salient information about the E-Tender:**

1. **Mode of submission: ONLINE.** No offline Tenders will be accepted.
2. **Availability of Tender Documents:** All Bid formats (Technical & Financial) are available ONLINE at CIPET's e- Tender portal [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET), [www.cipet.gov.in](http://www.cipet.gov.in). The registered vendors can download the Bids from these websites.
3. **Who can participate for this e-Tender:** The registered vendors of CIPET through [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) can only participate in this tender process.
4. **How to register by a vendor:**
  - i. The prospective bidders have to register with CIPET through the E-tender portal of CIPET at [www.tenderwizard.com/CIPET](http://www.tenderwizard.com/CIPET) by Online Payment As Applicable to M/S. KEONICS LTD. On completion of the registration process, the bidders will be provided user ID and password. After receipt of User ID & Password, Bidders can log on to the e-Tender portal for downloading & uploading tender documents.
  - ii. Tender Documents Fees of Rs. 2,500/- plus GST 18%, is Payable to CIPET: CSTS, Bhubaneswar in the form of Demand Draft from any Nationalize Bank not drawn before the Date of Releasing of NIT.
  - iii. Processing Fees as applicable payable Online separately to M/s. KEONICS LTD.
5. **Is there any device requirement for participation in e-Tender:** Yes, Bidders should have valid Class 3 Digital Signature Certificate (DSC) for participating in e-Tender. For integrity of data and its authenticity/non-repudiation of electronic records and to be compliant with IT Act2000, it is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC) of Class-III issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].
6. Bidders are hereby advised that all the documents to be submitted online are kept scanned and converted to PDF format in a separate folder on their computers before starting online submission. The schedule of rate (Excel Format) may be downloaded and rates may be filled appropriately in this format only. This file may also be saved in a separate folder on your computer.
7. While uploading/submitting the documents, it should be ensured that the file name should be the name of the document itself.
8. All pages of Tender documents with Addenda/Corrigenda (if any) must be signed with proper official stamp and date by the Bidders / or authorized power of attorney holders at the bottom right hand corner.

9. Bidders are advised to visit CIPET's e-Tender portal regularly for any Addenda/Corrigenda (if any) with regard to the e- Tender for which no separate paper advertisement will be published.
10. Last date of online submission of Tender bid: 23.03.2020 up to 17.00 Hrs.
11. EMD & Tender Fee must be in approved mode and Duly Signed & Sealed in separate cover along with filled Technical Bid and with necessary enclosures shall be submitted in physical form (hard copy) in person/by speed post on or before 23.03.2020 up to 17.00 Hrs. at CIPET:CSTS,Bhubaneswar. Non receipt of which the Tenders are liable for rejection.
12. Date & Time of Technical Bid Opening: 24.03.2020 at 11.00 Hrs.
13. Date & Time of Financial Bid Opening: Technically qualified bidders will be intimated the date & time after technical bid evaluation through the e-Tender portal.
14. Venue for Opening Bids: CIPET :CSTS ,Bhubaneswar ,S-3/79,Sector-A,Zone-B,Mancheswar Industrial Estate, Bhubaneswar -751010.

**15. TERMS & CONDITIONS :**

- **Earnest Money Deposit :**

Earnest money deposit shall be ` **50,000/- (Rupees Fifty Thousand only)** through Demand Draft drawn in any nationalized bank in favour of "**CIPET :CSTS Bhubaneswar payable at Bhubaneswar.**

- The **EMD** of the unsuccessful Bidders will be return back after finalization of e-Tender.
- The cost of the tender document of `2500/- (Rupees Two Thousand Five Hundred only)+ GST @18% is to be paid by Demand Draft drawn in any nationalized bank in favour of "CIPET :CSTS ,Bhubaneswar . payable at Bhubaneswar which is non-refundable.
- **Taxes** :All taxes, duties, packing & forwarding, installation and any other charges other than GST shall be deemed to have been included in the quoted rate.
- **Performance Security** : 10% of the Purchase Order value shall be submitted by the party towards performance security within 7 days of receipt of Purchase Order in the form of Demand Draft.

- **Warranty** : All the items should be covered under warranty for 1Year from the date of installation.
- **Period of supply & installation:** 40 days from the date of issue of Purchase Order, failing which liquidated damage @ 0.5% per week shall be deducted from the final payment, for each week of delay beyond the delivery period upto maximum of 2%.
- **Payment** : 90% payment will be made within 15 days after successful supply & remaining 10% installation of the Lab Table as per our Technical Specifications & subject to fulfilment of other terms & conditions of the e-Tender document.
- The Bidders are required to have a survey including the site visit before furnishing the e-Tender.

**Note :- Further if any e-Tender queries please contact the following officials of etenderwizard:**

Sl. No.	Name of the Official	Contact Number	e-mail ID
01.	Mr. S.K. Mohapatra	7377708585	twhelpdesk404@gmail.com
02.	Mr. Swades Kumar Bal	7008064095	twhelpdesk404@gmail.com

**CIPET:CSTS Bhubaneswar reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof**

**LETTER FORMAT**

**From,**

**To,  
The Deputy Director & Head  
CIPET: CSTS,  
S-3/79, Sector-A, Zone-B,  
Mancheswar Industrial Estate,  
Bhubaneswar -751010.**

Dear Sir,

**Subject: Proposed Work for supply and Installation of Laboratory Furniture at CIPET-PPEC, Paradeep Centre.**

I/we the undersigned having carefully gone through and clearly understood the plans, specifications, articles of agreement and conditions of the contract for above mentioned work do hereby tender to execute and complete the whole of the work in accordance with the said plans and specifications and conditions of Contract at rates set out in the priced schedule of quantities attached hereto.

I/we agree to finish the whole of the work as provided in the thereto.

I/we have deposited as Earnest money Rs. 50,000/- in your office which amount is not to bear any interest and I/we do hereby agree that this sum shall be forfeited by you in the event of your accepting my/our tender and failing to execute the Contract on my/our part when called upon to do so.

It is understood that the lowest or any other tender will not necessarily be accepted and that no reasons shall be given for such non- acceptance.

I/we agree to keep my/our offer for a period of three months.

Yours Faithfully,

**[Signature & Seal rubber stamp] Date: \_\_\_\_\_**

**Place: \_\_**

### SCOPE OF WORK

Sr.No.	Particulars	Qty	
1	<u>Fume Hood</u>	1	No.
	Size: 1500 x 900 x 2400mm (L X D X H)		
	(Drawing & Specification enclosed)		
2	<u>CentreTable (Island Table) with reagent rack and Sink</u>	3	Nos.
	Size: 4800 x 1500 x 900 mm(LXDXH)		
	(Drawing & Specification enclosed)		
3	<u>Side Wall Table with Sink</u>	1	No.
	Size: 8250 x 900 x 900mm (L X W X H)		
	(Drawing & Specification enclosed)		
4	Eye Wash Unit	1	Nos.
5	<u>Chemical Storage Rack</u>	1	Nos.
	Size: 6550(3975+2575) x 450 x 2100 mm(L X D X H)		
	(Drawing & Specification enclosed)		
6	<u>Wall Cupboard</u>	5	Nos
	Size: 900 x 300 x 600 mm(LXDXH)		
	(Drawing & Specification enclosed)		
7	<u>Laboratory Revolving Type Chair</u>	8	No.



## Technical Specifications for Supply and Installation of Lab Furniture at CIPET: PPEC,Paradeep

### 1. FUME HOOD

**DIMENSION** : (1500 L x 900 W x 2400 H)mm

**BED SIZE** : (1200 L x 800 W x 1200 W)mm

**MATERIAL OF CONSTRUCTION** :

Should be made out of 18 SWG GI Sheet with epoxy powder coated finish fully resistant to acids, alkalis and heat proof with 80-100micron thick epoxy powder coated. Inside should be 6mm thick FRP Single side mirror smooth finish

**DOOR** : Single, automatic, concealed type, balanced with counter weights, sash weights, wire rope and others etc., Door frames should be made out of 40 x 40 ERW Tube frame with 5mm toughned Glass vertical sliding door.

**EXHAUST SYSTEM** : Supplying and fixing of MS lined with FRP Blower with 1 No. 1 HP 1440 RPM TEFC Three phase Kirloskar or Chrompton motor, dynamically balanced FRP impeller, casing should be 6mm thick FRP sheet, withstand temperature should be 180° C, pressure should be 2" S.W.G. and direct coupling, balancing by suitable equipment up to 3000 RPM and suction should be 1000/1200 cfm per minute Duction of 8" elbow 2 Nos. and 1 No. rain hood (outbuild exhaust system)

**DUCT** : Should be 200 mm thick PVC Duct

**BAFFLED BY** : 3mm thick FRP sheet

**TEMPERATURE WITHSTAND** : 180° C (Max.)

**COUPLING:** Direct

**CASING:** Should be 6mm thick FRP Bisminal "A" fumerate resin

**BOTTOM ARRANGEMENTS:** Should be 1500 x 900 x 900mm ht. table made out of 18 SWG CRCA / GI (Galvinised Iron) with epoxy powder coated 80 - 100 micron thickness.Top dummy drawer and bottom cupboard. Bottom cupboard should have one no. inner horizontal partition with two opening shutters.

**ELECTRICAL ARRANGEMENTS** : 5/15 amps socket 2 nos. LED Tube light should be provided, the light fixtures should be isolated from the hood interior by a 6mm thick tempered glass panel sealed from the hood cavity. with switch and push button starter should be provided. 230 Volt AC, and 3-wire polarized grounded with ground fault interruption. The receptacles should be of specifications grade, side wired only, to insure a positive connection. The light switch should be 5 Amps. 230 volt AC and 3-wire polarized grounded. Wiring should terminate in one 6" x 6" x 4" service junction box located on the fume hood roof.

**TABLE TOP** : 20mm Thick Zet Black Granite made in the form of a watertight pan, not less than 3/8" deep to contain spillage with a 8" & 6" wide safety ledge across the front edge. A cup drain flush with the recessed work-surface shall be provided. The work surface and cup drain shall be available in black.

COLOUR: Industrial Ivory / Orchid blue OR as per the discussion

## 2. Centre island Table with Reagent Rack and Sink

**Size: 4800 L x 1500 W x 900 H (mm)**

Material of construction: - Should be made out of 18 SWG GI (Galvanised Iron Sheet with epoxy Powder coated Thickness 80-100 microns all sides

Modular:- It consist of 900 modular - 3 nos.750 mm modular 1 no. alternative new hole space on both side all modular top drawer bottom cupboards. 1 no. inner horizontal partition.all shutters should be self closing hinges and drawers, telescopic runner should be provided. ISI make lock and handles, necessary hardwares.

Table Top:- 19 mm thick black Zetgranite with half round mouldingshould be provided

Reagent rack: Size 4500 x 300 x 600 Made out of 18 SWG GI (Galvinised Iron)Sheet, two tire partition and electrical arrangements.

### **Sink & Water Tap:**

Made out of PP Moulded sink size: 560 x 355 x 245 mm LWH with 3 way epoxy powder coated water tap excluding plumbing work

Colour: IVORY AND BLUE or as per discussion

## 3. Side Wall Table with Sink

**Size: 8250 x 900 W x 900 H (mm)**

Material of construction :-Should be made out of 18 SWG GI (Galvinised Iron Sheet with epoxy Powder coated Thickness 80 - 100 micron all sides.

Modular:- It consist of 750 modular-9 nos., alternative new hole space all modular top drawer bottom cupboards. 1 no. inner horizontal partition.all shutters should be self closing hinges and drawers, telescopic runner should be provided. ISI make lock and handles, necessary hardwares.

Table Top:- 19 mm thick Zet black granite with half round moulding should be provided

Electricals: - Made out of Electrical trunking box entire table lenth 5/15 A socket 6 modular plate ( 2 socket , 2 swithces) including wiringshould be provided.

Colour: IVORY AND BLUE or as per discussion.

## 4. Eye Wash Unit: Should be of best quality as per Chemical laboratory requirements

Shower : Extra-large drench shower head made of good quality plastic. All pipe &connectors should be of ISI markedGI pipe with powder coating for anti-corrosion. Automiser heads should be of twin soft flow automiser head which has aerators to control the stream straightness and diameter,thus reducing splash by aerating the stream .All ISI marked GI pipewith powder coating for anti corrosion.Water Inlet and drain 1 ¼ inch BSP .

Standard :IS 10592

Activation: For shower-Pull Rod;For eyewash-Push Plate/Foot paddle

## 5. Chemical Storage Rack

**Size: 6550 (3975+2575) L x 450 W x 2100 H (mm)**

Material of construction :-The cabinet construction should be fully welded single unit of 18 gauges G.I Construction. The G.I sheets (TATA/ JSW/ Equivalent) should have 120 gsm, if Zinc coating and powder coating thickness should be minimum 80-100 microns. The cabinets must be completely Welded for better strength and load bearing capacity. The loading partitions should be 20-gauge G.I constructions, welded to the carcass and should have necessary stiffeners.

Modular:- It should consist of Minimum 6 Nos. plates with 4 nos. legs.

## 6. Wall Cupboard

Size: 900 x 300 x 600 mm(LXDXH)

**Material of Construction:** The cabinet construction should be fully welded single unit of 20 gauges G.I Construction. The G.I sheets (TATA/ JSW/ Equivalent) should have 120 gsm, if Zinc coating and powder coating thickness should be minimum 80-100 microns. The cabinets must be completely Welded for better strength and load bearing capacity. The loading partitions should be gauge G.I constructions, welded to the carcass and should have necessary stiffeners.

**Cupboards:-** It consist of 1 no. inner horizontal partition with glass shutter should be provided. all shutters should be self closing hinges ISI make lock and handles, necessary hardware.

**Colour:** IVORY AND BLUE OR as per discussion

## 7. Laboratory revolving Type Chair

Should be made up of MS with powder coated and should be back revolving laboratory Chair with Leatherite Upholsted cushioned Seats without armrest, multilock mechanism facility of lever to make it up/down,. Adjustable height : 500-600mm.

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<b>BOQ for supply &amp; installation of Laboratory Furniture at CIPET:PPEC, Paradeep</b>					
<b>SI No.</b>	<b>Description of Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1.</b>	<b>FUME HOOD</b>				
	Supply and Installation of fume hoods (1500 mm length) along with all accessories like service outlets / fittings, electrical switches as per the specified make list. The fume hoods price should include all exhaust blowers as per spec.	1.0	NO		
<b>2.</b>	<b>CENTRE ISLAND TABLE WITH REAGENT RACK &amp; SINK</b>				
	Supply and Installation of Laboratory Workbenches island type with reagent rack including electrical raceway and size 1500mm top and 900 mm high as per design including granite worktops and other supporting structures/ hardware , electrical trunking based on the specified Make List. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site. This should be complete in all respect as per the detailed specification.Fitting of sink is required as per drawing.	14.4	RMT		
<b>3.</b>	<b>SIDE WALL TABLE WITH SINK</b>				
	Supply and Installation of Laboratory Workbenches 900mm top and 900 mm high as per design including granite worktops and other supporting structures/ hardware , electrical trunking based on the specified Make List. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site. This should be complete in all respect as per the detailed specification.Fitting of sink is required as per drawing.	8.25	RMT		
<b>4.</b>	<b>EYE WASH UNIT</b>				
	Shower : Extra-large drench shower head made of good quality plastic. All pipe & connectors should be of ISI marked GI pipe with powder coating for anti-corrosion. Automiser heads should be of twin soft flow automiser head which has aerators to control the stream straightness and diameter,thus reducing splash by aerating the stream .All ISI marked GI pipewith powder coating for anti corrosion.Water Inlet and drain 1 ¼ inch BSP . Standard : IS 10592 Activation: For shower-Pull Rod;For eyewash-Push Plate/Foot paddle	1.0	NO		
<b>5.</b>	<b>CHEMICAL STORAGE UNIT</b>				
	The overall size shall be 2100(H) x 6550(3975+2575)(L) x 450(W). It shall be completed as per Drawing and specification with all required fittings and locking facility.	1.0	NO		
<b>6.</b>	<b>WALL CUPBOARD</b>				

	Supply and Installation of Laboratory Wall Cupboards of size as mentioned This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site. This should be complete in all respect as per the detailed specification.	4.5	RMT		
<b>7.</b>	<b>LABORATORY REVOLVING TYPE CHAIR</b>				
	Providing and placing low back revolving laboratory chair made up MS with powder coated with Leatherite Upholsted cushioned Seats without armrest, multilock mechanism facility of lever to make it up/down. Adjustable height : 500-600mm.	8.0	NOS		

### **APPROVED MAKE**

<b>Sl.No</b>	<b>Description</b>	<b>Approved Make</b>
01	Steel	TATA/ JSW/ Equivalent
02	Powder Coating	NEROLAC
03	Laboratory Furniture	GODREJ/METHODEX/FISHER HAMILTON OR EQUIVALENT
04	Water Faucets and Gas Valves	WATERSAVER/EQUIVALENT
05	Eye Wash and Body Shower	WATERSAVER/EQUIVALENT
06	Laboratory Sinks	HINDWARE/DIAMOND/KK LAB
07	Switches and Sockets	NORTHWEST/EQUIVALENT
08	Data and Voice Sockets	NORTHWEST/EQUIVALENT
09	Hinges	HAFFLE/DARSHANA/EQUIVALENT
10	Legs	HETTICH/EQUIVALENT
11	Skirting	REHAU/EQUIVALENT
12	Locks and Double Extension Ball Slides	GODREJ/Hettich/EQUIVALENT
13	Exhaust Blower	ALMONARD/SEAT/COLASIT/EQUIVALENT
14	Safety Storage Cabinets	JUSTRITE/ASECOS/EQUIVALENT
15	Biosafety Cabinets and Laminar Air Flow Cabinet	ESCO/EQUIVALENT
16	Key Board Pullout Tray	EBCO/EQUIVALENT