



**CENTRAL ELECTRICITY SUPPLY UTILITY  
OF ORISSA**

**Regd. Office: IDCO Towers, 2nd Floor, Bhubaneswar- 751022**

**TENDER SPECIFICATION NO :**

**CESU/ APDRP & CONTRACTS/169 / 2010-11**

**Lot-1- FOR PROCUREMENT OF POLYCARBONATE OR SMC OR  
COMBINATION OF POLYCARBONATE & SMC MAKE METER BOXES  
FOR,3PH,4W, HTTV METERS**

**&**

**Lot-2- FOR PROCUREMENT OF POLYCARBONATE OR SMC OR  
COMBINATION OF POLYCARBONATE & SMC MAKE METER BOXES  
FOR,3PH,4W, LTCT METERS**

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**CENTRAL ELECTRICITY SUPPLY UTILITY OF ORISSA**  
**IDCO TOWERS ( II nd Floor ) , Janapath ,Bhubaneswar-751022**  
 Phone:2545681,2542895,2541727, Fax:0674-2543125 Web Site:www.cescoorissa.com.  
**TENDER NOTICE**

Tender Notice No. CESU.H.Qrs./ A&C / Meter Box /346/ 17200

Dt- 26.04.10

Sealed tenders are invited on two part basis in duplicate, super scribing the Tender Specification No. & date of opening as mentioned below from reputed manufacturers only for supply of the following materials.

Sl. No	Lot No & TS-No	Materials	Quantity in nos	EMD	Cost of tender paper ( Rs )
1	<b>Lot-1</b> 169/10-11	Polycarbonate or SMC or combination of Polycarbonate & SMC make meter boxes for,3ph,4w, HTTV meters.	500	10000/-	5000/- + 4% VAT
	<b>Lot-2</b> 169/10-11	Polycarbonate or SMC or combination of Polycarbonate & SMC make meter boxes for,3ph,4w, LTCT meters.	1000	50000/-	
Sale of Bid Documents			28.04.10, 11AM		
Last date of sale of Bid documents			19.05.10, 5PM		
Last Date of Submission of Tender			20.05.10, 1PM		
Date of Opening of Tender (Technical Bid)			20.05.10, 4PM		

For details of N.I.T. Please visit our website [www.cescoorissa.com](http://www.cescoorissa.com).

**Sr. General Manager**  
**( APDRP & CONTRACTS)**

Memo No. 17201

Dt. 26.04.10

Copy forwarded to

PA to COO,CEO,CCO, CFO /Sr.G.M. (Tech ) /G.M.(AT&C)/DDO Hqrs./ Cash Section for information & necessary action.

C.C. to

D.M. ( P.R. ) of this office for information. He is requested to arrange to publish this Tender Notice in one leading ORIYA and two leading English News Papers with all India Circulation at the earliest. It may also be published in India Times Tender Portal for wide circulation.

C.C. to

AGM (IT) of this office for information & necessary action. He is requested to post the tender notice, tender specification in our website early.

Notice Board for display

## INVITATION FOR BID

**1.0** CESU now invites sealed bids from eligible Manufacturers only for Supply of **Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters & Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes** for housing,3PH,4W, LTCT Meters to be **delivered at central store of CESU at Bhubaneswar/Choudwar.**

**2.0 (a) Quantity required.**

Sl. No	Lot	Description of Material	Units	Qty.
1	<b>Lot-1</b>	Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500
2	<b>Lot-2</b>	Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters.	nos	1000

**(b) Delivery Schedule**

Description of Material	Unit	Total Qty.	To be delivered within 45 days from the date of issue of PO ( Consignment-I)	To be delivered within 45 to 90 days from the date of issue of PO ( Consignment-II)
Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters.	Nos.	500	200	300
Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters.	Nos	1000	300	700

**The 50% materials shall be delivered at Bhubaneswar Store & 50% at Choudwar Store.**

Interested eligible bidders may obtain further information from the office of Sr. General Manager, APDRP & CONTRACTS, CESU of Orissa, 2nd Floor, IDCO Tower, Janpath, Bhubaneswar - 751022.

**3.0** A complete set of bidding documents (tender specification) may be purchased by any interested eligible bidder or their representative, on submission of a written application and upon payment of a non-refundable fee of Rs.5000.00 + 4% VAT either in cash or a demand draft payable to Central Electricity Supply Utility of Orissa on all working days between 11.00 hrs to 17.00 hrs in person OR can be down loaded from our website [www.cescoorissa.com](http://www.cescoorissa.com). However such intending bidders must submit the cost of the document in shape of DD at the time of bid submission.

**4.0** Request for Bid Document through post will not be entertained, however Bid can be received through post but CESU will not be responsible for any postal delay.

The Bids will be opened in the presence of Bidders /Bidder's representatives as per guidelines at Clause-6 of IFB.

**5.0** All bids must be accompanied by a bid security of Rs.10000/- for lot-1 & 50000/- for lot-2

The bid security may be submitted: -

In shape of D.D. / Pay Order from any Nationalised Bank of India only in favour of CESU of Orissa, payable at Bhubaneswar.

Bids without E.M. Deposit will be rejected outright. No adjustment of any previous deposit will be entertained. The E.M. Deposit shall be forfeited in case of non-execution of order.

6.0 General:

- (I) Earnest Money of Rs 10000/- for lot-1 & 50000 for lot-2 in shape of DD/Pay order form any Nationalised Bank in favour of CESU of Orissa, payable at Bhubaneswar.
- (II) Cost of Bidding Document = Rs 5,000/- + 4% VAT for Lot-1 & Lot-2.
- (III) The tender papers (Commercial, Technical & Price bids) shall be submitted for both lot-1 & lot-2 in duplicate in a envelope. The Price bids for different type materials, single door boxes & double door boxes shall be in separate envelope for separate item mentioning detail as follows on the envelope .

Lot	Type	Description of Material	Units	Qty	Price to be mentioned as per Price Schedule
<b>Lot-1</b>	A	Polycarbonate Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
	B	SMC Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
	C	Combinations of Polycarbonate & SMC Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
	D	Polycarbonate Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
	E	SMC Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
	F	Combinations of Polycarbonate & SMC Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	nos	500	
<b>Lot-2</b>	A	Polycarbonate Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	
	B	SMC Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	
	C	Combinations of Polycarbonate & SMC Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	
	D	Polycarbonate Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	
	E	SMC Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	
	F	Combinations of Polycarbonate & SMC Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	nos	1000	

Only the price bids of boxes which will be suitable for field use as per CESU

- (IV) Date of beginning of sale of Bid Document = Dt. 28.04.10, 11.00 Hrs.
- (V) Last date and time of sale of Bidding Documents = Dt.19.05.10 up to 17.00 Hrs.
- (VI) Last date and time of receipt of Bids = Dt.20.05.10 by 13.00 Hrs  
Date and time of opening of bid(Tech. / Commercial only) =  
in Conference Hall, CESU Headqrs, Bhubaneswar = Dt 20.05.10 at 16.00Hrs
- (VII) Date and time of opening of Financial bid will be after due evaluation of commercial / technical bid, the bidders who qualify in the same would be intimated in due course regarding the date and time of opening of financial bids .
- (VIII) In the event of any specified date for the sale, submission or opening of bids being declared a holiday for purchaser, the bids will be sold/received/opened up at the appointed time on the next working day.

## **INSTRUCTIONS TO BIDDERS**

### **1.0 SCOPE:**

This specification covers the design, manufacturing, testing, supply & delivery of Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters & Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters to be delivered at central store of CESU at Bhubaneswar/Chiudwar.

### **2.0 QUALITY STANDARDS:**

Quality of product must adhere to our technical specification. The materials shall confirm in all respects to highest standards of engineering, design, workmanship, this specification and the latest revisions of relevant Indian standards, at the time offer and the Purchaser shall have the power to reject any work or material, which, in his judgment is not in full conformity to the standards specification.

### **3.0 COST OF BIDDING:**

The bidder shall bear all costs associated with the preparation and submission of the bid and the Central Electricity Supply Utility of Orissa hereinafter referred to as the Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

### **4.0 CONTENT OF BIDDING DOCUMENTS:**

In addition to the notice inviting bids, the Bidding Documents include:

- a. Instruction to bidders.
- b. General Conditions of Contract
- c. Qualification requirements
- d. Technical specifications
- e. Price Schedules & Schedule of Bids
- f. Delivery Schedule
- g. Abstract of General terms & conditions.
- h. Contract Performance B.G. format.
- i. GTP etc.

The bidder is expected to examine all instructions, forms, terms and specification in the bidding documents. Failure to furnish all information required by the bidding documents, the so submitted shall come under non-responsive category & liable for rejection.

### **5.0 CLARIFICATION ON BIDDING DOCUMENTS:**

A prospective Bidder requiring any clarification of the Bidding Documents may notify the Purchaser in writing or by fax at the Purchaser's mailing address given below . The Purchaser will respond in writing to any request for clarification of the Bidding Documents that it receives not later than 10 days prior to the date for submission of bids prescribed by the Purchaser. Written copies of the Purchaser's response including an explanation of the query but without identifying the source of inquiry will be sent to all prospective Bidders if required, who have purchased the Bidding Documents.

#### **Address:**

Sr.General Manager (APDRP & CONTRACTS)  
Central Electricity Supply Utility of Orissa.  
2<sup>nd</sup> Floor, IDCO Tower, Janpath,  
Bhubaneswar – 751022  
Tel: 0674 – 2545681,2542895  
Fax: 0674-2543125  
E-mail: apdrp@cescoorissa.com

**6.0 AMENDMENT TO BIDDING DOCUMENTS:**

- 6.1 At any time not later than 10(ten) days prior to the deadline of submission of bids, the Purchaser may for any reason whether at his own initiative or in response to a clarification requested by a prospective Bidder modify the Bidding documents by amendment.
- 6.2 The amendment will be notified in writing or by fax to all prospective Bidders who have received the Bidding Documents and shall be binding on them.
- 6.3 In order to allow prospective Bidders reasonable time within which to take the amendments into account in preparing their bids, the Purchaser may, at his discretion, extend the deadline for the submission of bids.

**7.0 MODE OF BIDDING AND DOCUMENTS COMPRISING BID:**

The bidding shall be on two part basis. The first part shall pertain to techno-commercial aspects of the bid in a appropriate schedules, declaration sheets, Deviation schedules, detailed technical data/literature, Guaranteed Technical particulars besides EMD asked for.

The second part shall deal with bid price in appropriate schedules & format.

Each of the parts shall be kept in separate sealed covers & these in turn shall be kept in large/sealed envelope for submission.

The bidder shall mention following clearly on the top of the each envelope, Tender No, date of opening, price bid or technical bid, Lot No, Meter box for which quoted ( HT or LTCT), Material for which quoted ( Polycarbonate ) etc. for clarity (See clause-6 (iii) of IFB.

**8.0 Prices:**

The quoted price shall be firm during the validity period. The price shall be valid for 180 days from the date of opening of technical bid. The price to be quoted must disclose the various components, taxes & duties separately.

**9.0 LATE BIDS:**

Any bid &/or samples sought for received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, will be rejected and/or returned unopened by the Purchaser.

**10.0 PRELIMINARY EXAMINATION:**

- 10.1 The Purchaser will examine the bids to determine completeness, computational errors if any, whether required Bid bond/EMD have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 10.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors, his bid will be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail.
- 10.3 Prior to the detailed evaluation, the purchaser will determine the substantial responsiveness of each bid in line with the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviations. The Purchaser's determination of a bid's responsiveness will be based on the contents of the bid itself without recourse to extrinsic evidence.
- 10.4 A bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformities.

10.5 The purchaser may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver, does not prejudice or affect the relative ranking of any Bidder.

**11.0 CONTACTING THE PURCHASER:**

No Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded unless requested by the purchaser for any clarification, in writing.

Any effort by a Bidder to influence the Purchaser in the Purchaser's Bid evaluation, bid comparison or contract award decision may result in the rejection of the Bidder's bid.

**12.0 PURCHASER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD:**

The Purchaser reserves the right at the time of award of contract to increase or decrease by up to 20% of quantity of goods and services specified in the Schedule of Requirement without any change in price or other terms and conditions.

**13.0 RESERVATION OF RIGHT:**

The Purchaser reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to award of contract, without thereby incurring liability to affected Bidders or any obligation to inform the affected Bidder on the grounds for the Purchaser's action.

**14.0 ISSUE OF PURCHASE ORDER:**

After bid evaluation, the purchaser will place the purchase order to the most competitive successful bidder. Within 15 days of receipt of purchase order bidder will furnish the performance BG as per requirement in the stipulated format, failing which the purchaser will cancel the purchase order without assigning any reason thereof & forfeiting the EMD.

14.1 The firm quoting with better specification may be preferred.

**15. NOTIFICATION OF AWARD:**

15.1 Prior to expiry of the bid validity, the Purchaser will notify the successful Bidder in writing by registered letter or by cable or telex or Fax, to be confirmed in writing by registered letter, that its bid has been accepted.

15.2 Upon the successful Bidder's furnishing of performance security, the purchaser will promptly notify each unsuccessful Bidder and will discharge its Earnest Money.

**16. Award Criteria:**

The Purchaser will award the contract to the successful Bidder / Bidders whose bid has / have been determined to be substantially responsive.

**17. EVALUATION OF BID**

The bid Price shall be evaluated lot-1& lot-2 separately. The firms have to quote for full quantity. Bids will be cancelled if not offered for full quantity.

**18.0 EXTENSION OF ORDER:-**

The CESU reserves the right to place an extension order for any additional quantity to the extent of 20% quantity of the original order on the same rates terms and conditions within six months from the date of order after conforming the supply of the materials from the party received during the delivery period.

XXXXXX

## GENERAL CONDITIONS OF CONTRACT

- 1.0 Sealed tenders in duplicate on prescribed forms are invited from reputed manufactures only for supply of **Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters & Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters** to be delivered at central store of CESU at Bhubaneswar / Choudwar as per specification attached .
- 2.0 This work shall include but not be limited to the following work:  
  
Manufacturing, Testing, Supply, and Delivery of **Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make meter box for HTTV & LTCT meter box** as required under the schedule.  
  
It is not the intent to specify completely herein all the details of the design and construction of material. The material shall, however, conform in all respects to high standards of engineering, design and workmanship and shall be capable of performing for continuous operation in a manner acceptable to the purchaser, who shall interpret the meanings of drawings and specification and shall have the power to reject any work or material which in his judgment is not in accordance therewith.
- 3.0 Sealed tender in duplicate should be submitted in a sealed envelope. The name of the firm, tender Notice No., Due date & details of the Earnest Money should be clearly indicated on the cover of the envelope and addressed to the Sr.General Manager, (APDRP & CONTRACTS) Central Electricity Supply Utility of Orissa, 2nd Floor, IDCO Tower, Bhubaneswar Orissa-751022. All the packets shall be kept in a big envelope.
- 4.0 The tender will be opened in presence of such of those tenderers or their authorized representatives as may desire to be present on the due date and time. Tenders received after the due date and time will be rejected.
- 5.0 **Deposit of Earnest Money**
- a) Tender must be accompanied with an Earnest Money of Rs.10,000/- for lot-1 & Rs 50,000/- for Lot-2 failing which the tender will be rejected.
  - b) The Earnest Money should be deposited as per the clause no. 5.0 of IFB. (Invitation for Bid)
  - c) Cheque is not acceptable towards deposit of Earnest Money. Tender accompanied with cheque on account of Earnest Money will be considered without earnest money and will be rejected.
  - d) No earnest money will be accepted after opening of the tender.
  - e) Details of the earnest money should be indicated on the cover of the envelope; otherwise the tender will not be opened and returned to the party.
  - f) The earnest money shall be forfeited in case of non-execution of orders.
  - g) No interest will be paid for the earnest money.

### **6.0 Reservation of Right**

The authorities reserve the right to cancel the order contract in part or full for default or delayed supply or supply of sub-standard materials without assigning any reason. The authority reserves the right of verifying the tenderer's credentials, qualifying conditions, manufacturing capacities, past performance, testing facilities etc. to satisfy the tenderer's capacity in participating in the bid.

- 7.0 **Price:**  
Prices in figure and the words must be quoted in CESU's prescribed proforma of price schedule on the firm price basis only, indicating therein clearly and separately Ex-factory price, freight up to F.O.R. destination in Orissa, under the jurisdiction of CESU, as may be required indicating all taxes and duties. The responsibility of safe delivery will rest with the supplier .The prices must be quoted in INR.The price shall be valid for 180 days from the date of opening of technical bid.
- 8.0 **Insurance:**  
The Insurance will have to be underwritten with the any subsidiary of GIC of India except National Insurance Company. As such Insurance premium should be included in the quoted price.
- 9.0 **Import License:**  
Import License cannot be arranged by CESU for such of these materials which are under banned category of import. When import is desired to be effected by the tenderers under their own quota, license, the value of quota specifically available against the tender should be stated. In case of availability of suitable, indigenously available materials, the same will be preferred.
- 10.0 **Tests:**  
Tests will have to be conducted on the materials in case an order is placed. The tests that will be conducted on the materials as per relevant BIS/ Tender specification stated in the tender. Each unit of the materials shall be subjected to the tests prescribed in the relevant standard (latest edition) before supply is affected. Untested materials will not be accepted. The certificates of type tests should also be submitted with the tender. The tenderer has to submit the Quality Assurance Plan (QAP) to be followed for the manufacturing and testing of Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTP Meters & 3PH,4W, LTCT Meters.
- 11.0 **Guaranteed particulars:**  
The performance particulars as required in the specification should be sent along with the tender. Other details not specified but otherwise necessary may also be given.
- 12.0 **Past Experience:**  
Past experiences and performance certificate received in respect of these types of materials supplied earlier shall have to be submitted with the tender, including their performance certificate. The Bidders must have supplied in any one year of this tendered quantity during last three years.
- 13.0 **Deviation from specification:**  
Any Deviation from the specified specifications or improvement over the specification should be stated in the offer in the enclosed Non-Compliance Schedule format. Any specific provision on the meters, which improves its quality, should be indicated separately.
- 14.0 **Income-Tax & Sales Tax:**  
An attested copy of Income Tax clearance certificates and sales tax clearance certificates of FY-2008-2009 should accompany the tender. Central Sales Tax Registration no. of the tenderer should also be stated.
- 15.0 **Technical particulars & drawing**  
a) The detailed dimensioned drawing will have to be furnished with the tender in case it is applicable.

- b) Incomplete tenders which do not contain full details, technical particulars, dimensions, literatures, price of all items, delivery period QAP, delivery schedule-bar Chart etc, will be rejected.

**16.0 Progress Report:**

The supplier will have to submit fortnightly progress report in line with accepted delivery schedule to the Sr.General Manager (APDRP & CONTRACTS), Central Electricity Supply Utility of Orissa Ltd., every month following the month in which the order is placed , on the progress made by the supplier towards proper execution of this order.

**17.0 Performance Bank Guarantee.**

- 17.1 The successful bidder will have to submit Performance Bank Guarantee amounting to 10% of the contract value within 30 days from the date of issue of award of contract. This **performance Guarantee should remain valid for a period of 3 months over & above the guarantee obligation of 72 months from the date of last despatch.** This performance Bank Guarantee should be drawn from a Nationalised Bank in favour of CESU payable at Bhubaneswar in the prescribed format. In case of failure to furnish performance BG, as per CESU format, an amount equivalent to 10% (ten percent) of the total contract price shall be deducted from the firms bill & same shall be released after submission & approval of composite Bank Guarantee or expire of Guarantee period which ever is earlier.
- 17.2 No interest will be allowed for the Performance Bank guarantee submitted by the bidder.

**18.0 Terms of payment.**

- 18.1 100% payment will be released along with taxes within thirty days after receipt/verification of materials in good condition against each consignment at the store and due inspection/testing thereof, subject to approval of guarantee certificate, test certificate & submission of Composite Performance Bank Guarantee (amounting to 10% of the contract value) at this office and after due certification and replacement of defective materials if any. The total price of defective materials (if any) not replaced shall be deducted from the final payment. In case of failure to furnish performance BG, as per our format, an amount equivalent to 10% (ten percent) of the total contract price shall be deducted from suppliers bill & same shall be released after submission & approval of composite Bank Guarantee or expire of Guarantee period which ever is earlier.
- 18.2 When the supplier does not at any time, fulfill his obligations in replacing / rectifying etc. of the damaged / defective materials in part or whole promptly to the satisfaction of the CESU, the CESU reserves the right not to accept the bills against subsequent dispatches made by the supplier and only the supplier will be responsible for any demurrages, wharf ages or damage occurring to the consignments so dispatched.

**19.0 Consignee / Paying Authority**

SDO Electrical Store Sub Division Bhubaneswar /Choudwar are the consignee of the material for accounting purpose & AGM Electrical Store Division, Cuttack is the paying officer.

**20.0. Guarantee:**

In the event of any defect in the materials arising out of faulty design inferior quality of raw materials and bad workmanship within a period of 72 months of last supply, the Bidder shall guarantee to replace or repair to the satisfaction of the purchaser the defective parts at site free of any cost to CESU. Should however, the Bidder fails to do so within a reasonable time, the purchaser reserves the right to effect repair or replacement and recover charges for repair or replacement from the Bidder by encashment of performance Bank Guarantee.

## 21.0 Inspection

The purchaser's authorised representative may carry out the inspection at any stage of manufacture. The manufacturer shall grant free access to the purchaser's representative at a reasonable time when the work is in progress. Inspection and acceptance of any equipment under this specification by the purchaser shall not absolve the supplier of his obligation of furnishing the equipment in accordance with the specification and shall not prevent subsequent rejection if the equipment is found to be defective.

All acceptance test and inspection shall be made at the place of manufacturer. The bidder shall afford the inspector representing the purchaser all reasonable facilities without charge, to satisfy him that the equipment is being furnished in accordance with this specification.

The supplier shall keep the purchaser informed in advance, about the manufacturing program so that arrangement can be made for inspection.

The purchaser reserves the right to insist for witnessing the acceptance/ routine testing of the bought out items. The supplier shall give 15 days advance intimation to enable the purchaser to depute his representative for witnessing the acceptance and routine tests.

## 22.0 Random Sample test after delivered at store.

The consignment of boxes received at area Stores shall be accepted only after testing at CIPET/or Govt. approved independent test house & at purchaser's laboratory. **The testing charges will be borne by the supplier.**

Two random samples will be collected from first lot supply meter box. **One will be tested** at Govt. approved independent test house for compliance of performance parameters as given in IS / tender specification, including Material identification to be carried out by CIPET/or some other standard Lab. **& other will be tested at CESU MRT Lab. to know the** Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter before acceptance. Subsequent lot will be accepted after successful verification by CESU MRT Laboratory BBSR.

If the sample fails in the above tests, the entire lot will be rejected.

The manufactures have to bear the cost of testing charges for the sample meter boxes submitted during the tender & after supply.

22.1 The CESU may at its option get the materials inspected by the third party if it feels necessary and all inspection charges in this connection will be borne by the supplier.

22.2 The dispatches will be affected only if the test results comply with the specification. The dispatches will be made only after the inspection by the CESU Officer is completed to the CESU satisfaction or such inspection is waived by the competent authority.

22.3 The acceptance of any quantity of materials will in no way relieve the supplier of its responsibility for meeting all the requirements of this specification and will not prevent subsequent rejection if such materials are later found to be defective or deviation from specification/IS.

22.4 Should any inspected or tested materials / equipment fail to conform to the specification, the Purchaser may reject the materials and supplier will either replace the rejected materials or make alterations necessary to meet specifications requirements free of costs to the Purchaser.

## 23.0 Dispatch:

23.1 The manufacture after receiving dispatch clearance from the respective inspection Authority/Purchaser should deliver the equipment/materials suitably packed to

CESU designated Stores. The materials are to be suitable packed and fully insured against all risks and to be delivered as per dispatch instruction to be communicated in due course. Immediately after dispatch of materials/equipment., the Bidder should notify the purchaser and consignee officer about value of consignment, weight and dimension of consignment by fax and post copy by courier/registered Post, the relevant documents on the strength of which the consignment can be taken delivery at destination.

23.2 Materials/ equipment as per dispatch clearance should have to be dispatched within the stipulated period of the order and inspection of further lots against the said order will be arranged after receipt of confirmation regarding physical delivery to our stores by the inspection authority.

23.3 In case the inspected materials/ equipment are not delivered within one month after the stipulated physical delivery period, without any valid reasons, the dispatch clearance already issued against the said lot should be considered to be withdrawn and material/ equipment should have to re-offered for inspection and testing and re-testing charges will be livable such cases also.

**24.0 Packing:**

The materials shall have to be packed suitably in transportable lots as indicated in the technical specification. Due care shall have to be ensured during transportation to keep the packing and seal intact for acceptance by consignee stores.

**25.0 Liquidated Damage for Delay in Delivery.**

The time of delivery of the materials are to be treated as essence of the contract and CESU reserves the right to repudiate the contract if the materials are not delivered / physically dispatched within stipulated period from the date of issue of dispatch clearance. Purchaser may at his discretion waive this conditions or imposition of liquidated damage@ ½ % of the value of the material of the particular lot offered/ delivered beyond the schedule delivery period for each week of delay or part thereof up to a maximum limit of 5 % of the value of materials of that particular lot and accept the goods beyond the stipulated delivery period. Any liquidated damage, if involved, will be recovered from the outstanding bills/Performance Bank Guarantee. Beyond 10 weeks of scheduled date of delivery, materials will not be accepted & penalty for undelivered materials shall be levied.

**26.0 Prices:**

The price schedule and the schedule of bids are indicated in Price schedule Format, which should be properly filled up and submitted along with the Bid failing which the tender is liable to be cancelled. The Price quoted should be firm.

**27.0 Quantity:**

The quantities mentioned in tender schedules are provisional. The purchaser reserves the right to vary the quantities.

**28.0 Risk Purchase:**

The time of delivery or physical dispatch stipulated in the purchase order shall deemed to be the essence of the contract and if the Bidder fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the said purchase order/ letter of intent, the purchaser shall be entitled to purchase such consignment or if not available, the best and nearest available substitute elsewhere on the account and at the risk of the Bidder or to cancel the purchase and Bidder shall be liable to compensate for any loss or damage which the purchaser may sustain by reason of such failure on the part of the Bidder.

**29.0 Acceptance of Order**

The purchaser will communicate acceptance of tender to the successful Bidder or his authorized agent by a formal order. The successful tenderer will communicate the

acceptance of the order, so as to reach the purchaser within 15(fifteen) days from the date of issue of the said order. If the acceptance of order is not received within the above period, then the earnest money against the tender is liable to be forfeited.

**30.0 Force Majeure:**

The Supplier will not be liable for forfeiture of its performance security, penalty for late delivery, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

30.1 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 not foreseeable. Such events may include, but are not restricted to, wars or revolutions fires, floods, epidemics, quarantine restrictions, and freight embargoes.

30.2 If a Force Majeure situation arises, the supplier will promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier will continue to perform its obligations under the Contract as far as is reasonably practice, and will seek all reasonable alternative means for performance not prevented by the Force Majeure event.

No price variance will be allowed during the period of force measure.

**31.0 Risk Purchase:**

Incase of supplier who has not adhered to the delivery schedule, the CESU reserves the right to purchase the balance quantity from the open market/floating another tender and recover the extra expenditure thus incurred from the supplier.

**32.0 Termination for Default:**

32.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

i. If the Supplier fails to deliver any or all of the Materials / equipment within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.

ii. If the Supplier fails to perform any other obligation(s) under the Contract.

iii. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

32.2 In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Materials / equipment or services similar to those undelivered, and the Supplier will be liable to the Purchaser for any excess costs for such similar Materials / equipment or Services. However, the Supplier will continue performance of the Contract to the extent not terminated.

**33.0 Termination for Insolvency:**

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or not affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

**34.0 Termination for Convenience:**

34.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination will specify the termination is for the Purchaser's convenience, the extent to which

performance of the supplier under the Contract is terminated, and date upon which termination becomes effective.

34.2 However the Materials / equipment that are complete and ready for shipment within thirty (30) days after the supplier's receipt of notice of termination will be accepted by the Purchaser at the Contract terms and prices.

**35.0 Arbitration:**

All the disputes arising in connection with the present contract shall be settled amicable by mutual consultation, failing which shall be finally settled as per the rules of Arbitration & Conciliation Act,1996 at the discretion of Purchaser. The Jurisdiction of arbitration shall be at Bhubaneswar, Orissa, India Only.

**36.0 Applicable Law**

The applicable law shall be that of Union Govt. of India.

**37.0 Governing Language**

The Governing Language shall be only English.

**38.0 Amendment to purchase order:**

No variation in modification of the Terms of purchase order shall be made except by written amendment signed by both the parties (Purchaser and supplier).

**39.0 Contact Person**

Before issue of purchase order, successful bidder must declare the name and telephone number of the authorized person to be contacted for execution of the purchase order.

39.1 The bidder should provide detailed information regarding any litigation or arbitration arising out of purchase order completed by them or under execution by them over last 5 years.

**XXXXXXXXXXXXXXXXXXXXXXXXXXXX**

## **QUALIFICATION REQUIREMENTS**

- 1(a) Bidder should be a manufacture only who have designed, manufactured, tested and supplied such type equipments. The Bidder should be financially sound and must have an annual turn over as indicated in the table below in any one year during the last three year period.

Lots	Description of materials	Qty. (in Nos)	Annual Turn Over (in Rs.)
1	Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTV Meters.	500	<b>20 Lakhs</b>
2	Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters.	1000	<b>1 Crore</b>

The net worth of the Bidder should be positive during last three consecutive years. The Bidder should have supplied similar or higher quality of minimum equal Qty. of items tendered.

- (b) Bidders who are subsidiaries and have recently established production line in India for the product for which bids are invited, can also be considered legible, provided their parent Company (principals) meets with the criteria mentioned above at item (a) in full and agree to furnish either jointly with the bidder (Subsidiary) or separately, a legally enforceable undertaking to guarantee quality, timely supply, performance and warranty obligations as specified in the Bid Specifications.
- (c) The Principals must furnish authorization in the prescribed form assuring full guarantee and warranty obligations as per the NIT to their Subsidiaries.
- (d) The Bidder must have supplied and provided after sales service for the quantity specified against each schedule in any one year (i.e. a continuous period of 12 months) during the last 3 years which must be in satisfactory operation for at least for the last 2 year on the date of bid opening.
2. The Bidder must have a modern production plant with adequate capacity to manufacture the tendered quantity of Meter boxes within the stipulated delivery period, besides meeting his current and future commitments. The Bidders are to furnish the details of supplies effected during last two year with quantity, order value, authority and completion time. Satisfactory completion certificate from the purchaser to be attached.
3. The Bidder should have a full fledged testing laboratory and have to furnish the details of the facilities possessed by them for satisfactorily meeting the test requirement demanded under Relevant IS / specification. The Quality Assurance Plan (QAP) followed for manufacturing the tendered items should be submitted with the tender.
4. The Bidder should furnish photo copies of purchase orders of supplies made and satisfactory performance reports from the competent authorities in the last two years.
5. All bids submitted shall also include the following information.
- i) Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the Company.
  - ii) The Bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and

commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all his current commitment.

- iii) Reports on financial status of the Bidder such as turnover, profit and loss statement, balance sheets and auditors' report for the past three years, bankers certificate etc. for the FY- 2006-07,07-08 & 08-09.
  - iv) Certificate from Chartered Accountant on capacity/ supply in any one year i.e. a continuous period of 12 months (as a proof of meeting the requirements as above).
6. The Bidder shall furnish Type Test Reports. The type test must have been carried out in an independent National laboratory/Govt. approved laboratory as per the relevant IS not earlier than three years from the date of opening of bids. The Bids received without type test reports will be treated as Non-responsive.
  7. Even though the Bidder meets the above qualifying criteria, he is subject to be disqualified if he has (i) made misleading or false representation in the statements and attachments submitted in proof of qualification requirements and/or (ii) record of poor performance such as not properly completing the contract, inordinate delays in supply completion, litigation history or financial failure etc.
  8. Notwithstanding anything stated above, the purchaser reserves the right to assess bidder's capability and capacity to perform the purchase order should circumstances warrant such assessment in the overall interest of the Company (CESU).
  9. CESU at its discretion may relax the minimum qualifying criteria for bidder(s), in consideration of certain items like outstanding performance of their meters supplied by him / them to various utilities in the past, timely delivery, trouble - free service, after sales service and proven integrity of the bidder (s) etc.

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**TECHNICAL SPECIFICATION OF  
POLYCARBONATE OR SMC OR COMBINATION OF POLYCARBONATE & SMC  
MAKE METER BOXES TO HOUSE THE  
THREE PHASE FOUR WIRE HTTV ENERGY METERS**

**TS-169/10-11**

**TECHNICAL SPECIFICATION OF  
POLYCARBONATE OR SMC OR COMBINATION OF POLYCARBONATE & SMC  
MAKE PILFER PROOF METER BOX TO HOUSE THE THREE PHASE FOUR WIRE HTTV  
ENERGY METERS  
TS-169/10-11**

**1.0 SCOPE:**

- 1.a This specification covers the design, manufacture and testing of Polycarbonate or SMC or combination of Polycarbonate & SMC Meter Box of excellent weatherability.
- 1.b The meter box shall be anti-corrosive, dust proof, rust proof, shock proof, dust and vermin proof, U.V. stabilized and flame retardant property. Base door or other joint should not bend or soften on heating so as to ensure tamper proof construction.
- 1.c The body of box & door should be single piece moulded without any construction joint.The meter box shall have either single or double door (i.e.inner & outer) arrangement.
- 1.d Meter Box should be suitable for indoor & outdoor use.
- 1.e Meter Box should not melt at high temperature.
- 1.f The meter box will be suitable to house one number three-phase four-wire HTTV energy meter & a modem of any make. The meter box shall comply with

IS: 14772 : 2000 ( For Box)

IS:13410- 1992 [ For SMC Material ]

**2. MATERIAL**

The meter box will be made of high grade Engineering Plastic (Polycarbonate) or SMC or combination of Polycarbonate & SMC. It will be weather proof, capable to withstanding temperatures of boiling water for 5 minutes continuously without distortion or softening. Box will be made of Flame Retardant material which will pass Glow wire test , Environment friendly and easily recyclable.

**3. CONSTRUCTION**

- 3.1 Meter Box will have a roof tapering arrangement for easy flow of rainwater.
- 3.2 The thickness of the box will not be less than 2.5 mm from load bearing side (i.e. back side of the box) and other sides, doors & roof will not be less than 2.0 mm.
- 3.3 The over all dimensions of the box will be approximately Length-44 cm, Breadth-38 cm,Depth-26 cm. The box shall be suitable to accommodate 3phase 4wire HTTV Meter & a modem of any make such as Secure, L&T, Genus etc. Provision of modem chamber separately inside the meter box is optional. (a)Outer door - Opaque with viewing window or Transparent and provision of 'D' port If there is no 2<sup>nd</sup> (Inner) door (b)Inner door – (OPTIONAL) Transparent with provision of 'D' port(communication) OR Opaque with provision of D' port(communication) & viewing window. Both modem chamber& meter box should have proper sealing facility
- 3.4 Box cover will be fixed with minimum three nos. hinges, well protected against corrosion. Box cover will be able to open by more then 120 degrees.
- 3.5 Soft rubber gasket for protection from ingress of dust and water will be provided on all around the box.
- 3.6 Handle will be provided on the Box door for easy door opening.
- 3.7 Concealed hinges should be fixed for easy door opening using proper size of hardware from inside in such a manner that neither it will be visible nor interfered from out side.
- 3.8 In case of two doors, the External door in closed position should be overlapped on base such way that direct entry of screwdriver, tool or rod is not possible.
- 3.9 Adjustable Meter Mounting Arrangement may be provided to accommodate any make of Meter( like Secure, L&T etc.).
- 3.10 Box shall be provided with 4 nos. fixing holes of 6 mm diameter at all four corners of meter box. The base support of meter mounting shall be raised by about 10m.m in the meter box for easy wiring.

- 3.11 For holding rigidly the inner & outer door, latches/clamps with two sealing holes shall be provided. Latches/clamps shall be provided on the body of the box with proper sealing arrangements at two location. Provision shall also be made for proper sealing of modem chamber. All metallic parts will be protected against corrosion.
- 3.12 Zinc passivated earthing bolt of minimum M6 size along with nuts & washer will be provided.
- 3.13 The viewing window for meter reading will be made of break resistant, UV stabilized, transparent Polycarbonate of minimum 2.0 mm thickness. The transparent Window will be ultrasonically welded/fixed in rigid way with meter opaque door from inside. The viewing window will have a Shade arrangement to protect meter display from direct sunlight.. Size of the viewing window shall be 10.0 CM x12.0 CM approximately.
- 3.14 Adjustable meter mounting arrangement may be provided in such a way that the display portion of any make meter can be easily aligned with the viewing window of outer door , So that meter reading can be done easily without opening any door of meter box.
- 3.15 The box colour will be dark admiralty gray.
- 3.16 Meter Box should comply IP-54. Type test report will be submitted along with offer.
- 3.17 For cable entry, one suitable circular holes fitted with adjustable glands will be provided at the bottom of the box for cable inlet and outlet. Internal diameter of the gland will be such as to accommodate the control cable having outer diameter 25-30mm
- 3.18 Purchase order No. & Date, Property of CESU will be mentioned on metallic name plate in such a manner that it will not be erased & removed easily. Name of Manufacturer will be embossed on meter box cover.

4. **TESTS :**

4.1 **Type Tests :**

The type tests report of the box, including identification of the materials carried out at any independent National laboratory/Govt. approved laboratory shall be submitted with the tender.

4.2 **Acceptance Tests:**

The following will constitute acceptance test for box:

- i. Physical verification of dimensions of the box.
- ii. Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter.

**5. Sample Test for acceptance:-**

**A- The bidders will submit two sample boxes along with the tender, one will be tested at Govt. approved independent test house for compliance of performance parameters as given in IS including Material identification to be carried out by CIPET or some other standard Lab. & one will be tested at CESU MRT Lab. to know the Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter.**

B- Two random samples will be collected from first lot supply meter box. **One will be tested at Govt. approved independent test house for compliance of performance parameters as given in IS including Material identification to be carried out by CIPET or some other standard Lab. & other will be tested at CESU MRT Lab. to know the Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter before acceptance.** Subsequent lot will be accepted after successful verification by CESU MRT Laboratory BBSR.

**GUARANTEED TECHNICAL PARTICULARS FOR POLYCARBONATE OR SMC OR  
COMBINATION OF POLYCARBONATE & SMC PILFER PROOF METER BOX TO  
HOUSE THE THREE PHASE FOUR WIRE HTTV ENERGY METERS  
TS-169/10-11**

Sl. No.	Characteristics	Bidders Particulars
1.	Manufacturer's / Supplier's name and address with works address.	
2.	Material used for box body	
3.	Color of Box	
4.	Dimensions of box (L x W x H)	
5.	Meter Fixing Arrangement	
6.	Earthing Provisions	
7.	Thickness of meter box a. From Back Side b. From all other sides	
8.	Clearance of meter from box surface : a. Right , Left b. Top side c. Bottom side ( from meter terminals) d. Bottom side ( from terminals cover) e. Front side ( Applicable General tolerance : $\pm 5$ mm )	
9	Arrangement in the box for suitable housing of different type 3p4w HTTV meters like Secure, L&T etc.	
10	Additional "D" Port provision provided in the door of the box with sealing arrangement. for downloading data through MRI.	
11	Provision for holding and sealing the door, U-shaped latches/clamps with one sealing hole will be provided	
12	Provision of doors one or two (Inner door & outer door) arrangement to be provided	
13	Name Plate	

**TECHNICAL SPECIFICATION OF  
POLYCARBONATE OR SMC OR COMBINATION OF POLYCARBONATE & SMC  
MAKE PILFER PROOF METER BOX TO HOUSE THE THREE PHASE FOUR WIRE LTCT  
ENERGY METERS**

**TECHNICAL SPECIFICATION OF  
POLYCARBONATE OR SMC OR COMBINATION OF POLYCARBONATE & SMC  
MAKE PILFER PROOF METER BOX TO HOUSE THE THREE PHASE FOUR WIRE LTCT  
ENERGY METERS & CTs.  
TS-169/10-11**

**12.0 SCOPE:**

- 12.1 This specification covers the design, manufacture and testing of Polycarbonate or SMC or combination of polycarbonate & SMC. Meter Box of excellent weather ability.
- 12.2 The meter box shall be anti-corrosive, dust proof, rust proof, shock proof, dust and vermin proof, U.V. stabilized and flame retardant property. Base door or other joint should not bend or soften on heating so as to ensure tamper proof construction.
- 12.3 The body of box & door should be single piece moulded without any construction joint. The meter box shall have either single or double door (i.e. inner & outer) arrangement.
- 12.4 Meter Box should be suitable for indoor & outdoor use.
- 12.5 Meter Box should not melt at high temperature.
- 12.6 The meter box will be suitable to house one number three-phase four-wire LTCT energy meter, a modem of any make & four CTs 100/5A to 200/5A in a separate chamber.
- 12.7 The meter box will comply with  
IS: 14772 : 2000 (For Box)  
IS:13410- 1992 [ For SMC Material ]

**13.0. MATERIAL**

The meter box will be made of high grade Engineering Plastic (Polycarbonate) or SMC or combination of Polycarbonate & SMC. It will be weather proof, capable to withstanding temperatures of boiling water for 5 minutes continuously without distortion or softening. Box will be made of Flame Retardant material which will pass Glow wire test , Environment friendly and easily recyclable.

**14.0 CONSTRUCTION**

- 14.1 Meter Box will have a roof tapering arrangement for easy flow of rainwater.
- 14.2 The thickness of the box will not be less than 2.5 mm from load bearing side (i.e. back side of the box) and other sides, doors & roof will not be less than 2.0 mm.
- 14.3 The over all dimensions of the box to accommodate meter will be approximately Length-44 cm, Breadth-38 cm,Depth-26 cm & the box for CT Chamber will be approximately Length-40 cm, Breadth-50 cm,Depth-26 cm . The meter box shall be suitable to accommodate a 3phase 4wire HTTV Meter & a modem of any make such as Secure, L&T, Genus etc.The CT Chamber shall be suitable to accommodate 4 nos Ring CTs with adequate clearance between CTs and body of CT chamber. Provision of modem chamber separately inside the meter box is optional.

Meter Box:-

- (a)Outer door - Opaque with viewing window or Transparent and provision of 'D' port  
If there is no 2<sup>nd</sup> (Inner) door
- (b)Inner door – (OPTIONAL) Transparent with provision of 'D' port(communication)  
OR Opaque with provision of D' port (communication) & viewing window

CT Chamber:-

Opaque or Transparent door with interlocking facility between Meter box & CT chamber  
**Modem chamber, meter box & CT chamber should have proper sealing arrangement.**

- 14.4 Meter box shall have two separate compartment one (upper) to house energy Meter & modem & another compartment (lower) to house 4 nos LT CTs . Lower compartment shall be provided with 4 Nos. hole of suitable dia with ( High-density Polyethylene)HDPE adjustable cable glands on either side for incoming and outgoing power cables. The base support of the meter mounting shall be raised by about 10 mm in the box for ease of wiring. There will be arrangement for mounting of four CTs.in lower chamber.
- 14.5 Meter chamber & CT Chamber will be separated by a separator in such a manner that access to meter & CT Chamber from either side shall not be possible. Both the chambers shall be provided with one or two(inner & outer) doors.
- 14.6 The doors may be opaque or transparent. In case of opaque, a viewing window must be provided. One D-Port provision for communication must be provided in the door of meter box (in the inner door in case of two doors).
- 14.7 Door interlock should be such that the CT housing Compartment door can only be opened after opening of Meter housing compartment Door.
- 14.8 Box cover will be fixed with minimum three nos. hinges, well protected against corrosion. Box cover will be able to open by more then 120 degrees.
- 14.9 Soft rubber gasket for protection from ingress of dust and water will be provided on all around the box.
- 14.10 Handle will be provided on the Box door for easy door opening.
- 14.11 Concealed hinges should be fixed for easy door opening using proper size of hardware from inside in such a manner that neither it will be visible nor interfered from outside.
- 14.12 The External door in closed position should be overlapped on base such that direct entry of screwdriver, tool or rod is not possible.
- 14.13 Meter Mounting Arrangement should be suitable for any make of Meter( like Secure, L&T etc.).
- 14.14 Box shall be provided with 4 nos. fixing holes of 6 mm diameter at all four corners of meter box.
- 14.15 For holding rigidly the inner & outer door, latches/clamps with two sealing hole will be provided. Latches/clamps shall be provided on the body of the box with proper sealing arrangements at two location. All metallic parts will be protected against corrosion.
- 14.16 Zinc passivated earthing bolt of minimum M6 size along with nuts & washer will be provided.
- 14.17 The viewing window for meter reading will be made of break resistant, UV stabilized, transparent Polycarbonate of minimum 2.0 mm thickness. The transparent Window will be ultrasonically welded/fixed in rigid way with meter opaque door from inside. The viewing window will have a Shade arrangement to protect meter display from direct sunlight.. Size of the viewing window shall be 10.0 CM x12.0 CM approximately.
- 14.18 Adjustable meter mounting arrangement may be provided in such a way that the display portion of any make meter can be easily aligned with the viewing window of outer door , So that meter reading can be done easily without opening any door of meter box.
- 14.19 The box colour will be dark admiralty gray.
- 14.20 Meter Box should comply IP-54. Type test report will be submit along with offer.
- 14.21 For cable entry & exit, four nos suitable circular holes in each side of box fitted with adjustable glands will be provided . Internal diameter of the gland will be such as to accommodate 35 mm<sup>2</sup> to120 mm<sup>2</sup> cable.

14.22 Purchase order No. & Date, Property of CESU will be provided on metallic name plate in such a manner that it will not be erased & removed easily. Name of Manufacturer will be embossed on meter box cover.

15.0. **TESTS :**

15.1 **Type Tests :**

The type tests report of the box, including identification of the materials carried out at any independent National laboratory/Govt. approved laboratory shall be submitted with the tender.

15.2 **Acceptance Tests:**

The following will constitute acceptance test for box:

- i. Physical verification of dimensions of the box.
- ii. Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter.

**16.0 Sample Test for acceptance:-**

**16.1- The bidders will submit two sample boxes along with the tender, one will be tested at Govt. approved independent test house for compliance of performance parameters as given in IS including Material identification to be carried out by CIPETor some other standard Lab. & one will be tested at CESU MRT Lab. to know the** Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter.

16.2- Two random samples will be collected from first lot supply meter box. **One will be tested at Govt. approved independent test house for compliance of performance parameters as given in IS including Material identification to be carried out by CIPETor some other standard Lab. & other will be tested at CESU MRT Lab. to know the** Compatibility of the box for housing the meter for ensuring ease of connections and reading the meter before acceptance. Subsequent lot will be accepted after successful verification by CESU MRT Laboratory BBSR.

16.3- The manufactures have to bear the cost of testing charges for the sample meters submitted during the tender & after supply.

**GUARANTEED TECHNICAL PARTICULARS FOR POLYCARBONATE OR SMC OR  
COMBINATION OF POLYCARBONATE & SMC MAKE PILFER PROOF METER BOX  
TO HOUSE THE THREE PHASE FOUR WIRE LTCT  
ENERGY METERS & CTs.  
TS-169/10-11**

<b>Sl. No.</b>	<b>Characteristics</b>	<b>Bidders Particulars</b>
1.	Manufacturer's / Supplier's name and address with works address.	
2.	Material used for box body	
3.	Color of Box	
4.	Dimensions of box (L x W x H)	
5.	Meter Fixing Arrangement	
6.	Earthing Provisions	
7.	Thickness of meter box c. From Back Side d. From all other sides	
8.	Clearance of meter from box surface : f. Right , Left g. Top side h. Bottom side ( from meter terminals) i. Bottom side ( from terminals cover) j. Front side ( Applicable General tolerance : $\pm 5$ mm )	
10.	Arrangement in the box for suitable housing of different type 3p4w LTCT meters like Secure, L&T etc.	
11	Arrangement in the box for housing four CTs	
12	Arrangement in the box for entry & exit of cables	
11	Additional "D" Port provision provided in the door of the box with sealing arrangement. for downloading data through MRI.	
12	Provision for holding and sealing the door, U-shaped latches/clamps with one sealing hole will be provided	
13	Provision of doors one or two (Inner door & outer door) arrangement to be provided	
14	Provision for inner door sealing	
15	Name Plate	

**ANNEXTURE - A**

**(Tender Specification No. CESU/A&C/ 169 /10-11)**

**SCHEDULE OF BIDS**

**Polycarbonate Make Meter Boxes for housing,3PH,4W, HTTV & LTCT Meters.**

1. Name of tenderer with Office and factory address :  
Tel. No./Telex No./Fax No.
2. Specification No. :
3. Address of Local Office and Tel. No./Telex/Fax No. :
4. Tenderer's Reference No.
5. Sales Tax Regn. No. and Pan No. :
6. Last date and time for submission of Tender :
7. Date and time for opening of Tender
8. Testing Facilities available :
9. Category of organization :
10. Whether qualifying certificates submitted :
11. Particulars of Earnest Money submitted :
12. Excise Duty rate, if applicable :
13. Sales Tax Rate, if applicable :
14. Whether the material/equipment offered :  
conforms to the relevant ISS specification  
and drawing (Quote Rep.).
15. Whether executed orders previously :  
for the items tendered now. Please  
give full details of supplies made.
16. Similar details in respect of supplies :  
made to other SEBs.
17. Whether Sales Tax clearance Certificate enclosed :
18. Whether Income Tax Clearance :  
Certificate enclosed.
19. Whether the product bears ISI Mark :

20. Offer valid up to :
21. Delivery Schedule :
  - a) Commence with minimum quantity :
  - b) Rate of delivery per month/quarter and completion time. :
22. If any deviation, please mention in deviation sheet enclosed. :
23. Technical literature/catalogue of the materials offered enclosed or not. :
24. Manufacturer's supply experience including user's certificate furnished or not. :
25. Type Test Certificate from any National Testing Laboratory. Govt. of India. :
26. Whether Guaranteed Technical Data Sheet Particulars submitted. :
27. Turnover Certificate furnished from Chartered Accountant along with balance sheet for last three years to judge the financial soundness. In case of a bidder is a loss making organization, their bid will not be considered. :

**Signature of Bidder  
with Name and Seal of Company**

**[This form is to be duly filled up by the Bidder & submitted along with the tender.]**

**ANNEXTURE - B**  
**(Tender Specification No. CESU/A&C/ 169/10-11)**

**ABSTRACT OF GENERAL TERMS AND CONDITIONS**

**Polycarbonate Make Meter Boxes for housing,3PH,4W, HTTV & LTCT Meters.**

1. Earnest Money Furnished :
2. Manufacturer's supply experience including user's certificate furnished or not. :
3. Deviation to the specification, if any (list enclosed or not). :
4. Type Test Certificate from any National Testing Laboratory. Govt. of India submitted or not. :
5. Guaranteed Technical Particulars submitted or not. :
6. Delivery
  - a) Date of commencement :
  - b) Rate of delivery per month :
7. Whether agreed to CESU
  - a) Terms of payment :
  - b) Guarantee Clause :
  - c) Security deposit clause :
  - d) Liquidated damage clause :
  - e) Risk Purchase Clause :
  - f) Inspection Clause :
  - g) Packing Clause :
  - h) Retesting Clause :
  - i) Delivery Clause :
8. Whether agreeable to furnish security deposit in shape of Bank Guarantee in case his tender is successful. :
9. Manufacturer/Authorized representative :
10. Turnover Certificate furnished or not. :
11. Valid ITCC & STCC submitted :

**Signature of the Bidder  
With Seal of Company**

**[This form is to be duly filled up by the Bidder & submitted along with the tender.]**

**ANNEXTURE - C**

**PRICE SCHEDULE & QUANTITY FOR LOT - 1 & 2  
(Tender Specification No. CESU/A&C/ 169/10-11)**

**The Price bids for different type materials, single door boxes & double door boxes shall be in separate envelope for separate item mentioning detail as follows on the envelope . Only the price bids of boxes which will be suitable for field use as per CESU requirements will be opened.**

Lot	Type	Description of materials	Quantity (Nos)		Unit Ex-works price including packing & forwarding (Rs.)	Excise Duty inclusive of education cess (Rs.)	Sale Tax/ VAT (Rs.)	Freight Insurance Charges (Rs)	Entry Tax (Rs)	Unit total Landing price including other taxes if any.( Rs )	Total FOR price (Rs.)
			Tendered	Offered							
		1	2	3	4	5	6	7	8	9	10
Lot - 1	A	Polycarbonate Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
	B	SMC Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
	C	Combinations of Polycarbonate & SMC Make single door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
	D	Polycarbonate Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
	E	SMC Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
	F	Combinations of Polycarbonate & SMC Make double door Meter Boxes for housing,3PH,4W, HTTV Meters.	500								
Lot- 2	A	Polycarbonate Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								
	B	SMC Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								
	C	Combinations of Polycarbonate & SMC Make single door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								
	D	Polycarbonate Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								
	E	SMC Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								
	F	Combinations of Polycarbonate & SMC Make double door Meter Boxes for housing, 3PH,4W, LTCT Meters.	1000								

Amount in Words :- Rupees

Note:-

- (1) Price Bid to be furnished in above format only.
- (2) Responsibility of any lack of clarity leading to confusion will rest with the bidders.
- (3) Remarks, if any, may please be specified clearly.

PLACE:

SIGNATURE OF TENDERER

DATE

NAME IN FULL  
DESIGNATION/ STATUS IN THE FIRM  
COMPANY SEAL

**ANNEXTURE - D**

**(Tender Specification No. CESU/A&C/ 169/10-11)**

**For Polycarbonate Make Meter Boxes for housing,3PH,4W, HTTV & LTCT Meters.**

**NON COMPLIANCE SCHEDULE :-**

On this schedule the bidder shall provide a list of non compliance with this specification, documenting the effects that such non compliance is likely to have on the equipment's life and operating characteristics. Each non-compliance shall be referred to the relevant specification clause.

<b>Clause No</b>	<b>Non Compliance</b>

**ANNEXTURE - E**

**(Tender Specification No. CESU/A&C/ 169/10-11)**

**For Polycarbonate Make Meter Boxes for housing,3PH,4W, HTTPV & LTCT Meters.**

**TEST CERTIFICATES SCHEDULE**

On this schedule a list of the test certificates included with the bid shall be provided. This list should include type test certificates and samples routine test reports. Each certificate listed shall be referred to the relevant specification clause and item of equipment to which the test applied.

<b>Clause No.</b>	Type Test Certificate or Routine Test Report

**ANNEXTURE - F**

**(Tender Specification No. CESU/A&C/ 169/10-11)**

**For Polycarbonate Make Meter Boxes for housing,3PH,4W, HTTPV & LTCT Meters.**

**DELIVERY SCHEDULE**

Description of Material	Total Qty. in Nos.	To be delivered within 45days from the date of issue of orders	To be delivered within 45days to 90 days from the date of issue of orders
Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, HTTPV Meters.	500		
Polycarbonate or SMC or Combinations of Polycarbonate & SMC Make Meter Boxes for housing,3PH,4W, LTCT Meters.	1000		

**ANNEXTURE - G**  
**PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT,  
PAYMENT AND PERFORMANCE**

This Guarantee Bond is executed this \_\_\_\_ day of \_\_\_\_\_ 2009 by us the

\_\_\_\_\_ Bank at \_\_\_\_\_  
P.O. \_\_\_\_\_ P.S. \_\_\_\_\_ Dist \_\_\_\_\_ State \_\_\_\_\_  
( indicate designation of purchaser )

Whereas the CENTRAL ELECTRICITY SUPPLY UTILITY OF ORISSA , Head Office - IDCO Towers (2<sup>nd</sup> Floor ) , Bhubaneswar – 751 022 a Body corporate , constituted under the Electricity Act, 2003 (here in after called “the CESU”) has placed Purchase Order No. \_\_\_\_\_ Dt. \_\_\_\_\_ (hereinafter called “the Agreement”) with M/s \_\_\_\_\_ (hereinafter called “the Contractor”) for supply of \_\_\_\_\_ (name of the material) and whereas CESU has agreed (1) to exempt the Contractor from making payment of security deposit, (2) to release 100% payment of the cost of materials as per the said agreement and (3) to exempt from performance guarantee on furnishing by the Contractor to the CESU a composite Bank Guarantee of the value of 10% (ten percent) of the Contract price of the said Agreement.

1. Now, therefore, in consideration of the CESU having agreed (1) to exempt the Contractor for making payment of security deposit, (2) to release 100% payment to the Contractor and (3) to exempt from furnishing performance guarantee in terms of the said Agreement as aforesaid, we the \_\_\_\_\_ Bank, Address \_\_\_\_\_ (code No. \_\_\_\_\_) (hereinafter referred to as “the Bank”) do hereby undertake to pay to the CESU an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only against any loss or damage caused to or suffered by the CESU by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We, the \_\_\_\_\_ Bank do hereby undertake to pay the amounts due and payable under the guarantee without any demur, merely on a demand from the CESU stating that the amount claimed is due by way of loss or damage caused to or suffered by CESU by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement or by the reason of any breach by the said Contractor’s failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only.

3. We, the \_\_\_\_\_ Bank also undertake to pay to the CESU any money so demanded notwithstanding any dispute or dispute raised by the Contractor(s) in any suit or proceeding instituted/ pending before any court or Tribunal relating thereto our liability under this Agreement being absolute and unrevocable.

The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, the \_\_\_\_\_ Bank further agree that the guarantee herein contain shall

remain in full force and affect during the period that would be taken for the performance of the said Agreement and it shall continue to remain in force endorsable till all the dues of the CESU under by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till CENTRAL ELECTRICITY SUPPLY UTILITY OF ORISSA certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharge this guarantee and will not be revoked by us during the validity of the guarantee period.

Unless a demand or claim under this guarantee is made on us or with \_\_\_\_\_  
\_\_\_\_\_ (Local Bank Name, address and code No.)  
\_\_\_\_\_, Bhubaneswar / Cuttack in writing on or  
before \_\_\_\_\_ (date) we shall be discharged from all liability under this  
guarantee thereafter.

**Contd : - P/ 2**

5. We, the \_\_\_\_\_ Bank further agree that the CESU shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance act or omission on part of the CESU or any indulgence by the CESU to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

6. The Guarantee will not be discharged due to change in the name, style and constitution of the Bank and or Contractor(s).

7. We, the \_\_\_\_\_ Bank lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the CESU in writing.

Dated \_\_\_\_\_ the \_\_\_\_\_ day of Two thousand \_\_\_\_\_ .

Notwithstanding anything contained herein above.

Our liability under this Bank Guarantee shall not exceed Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ ) only.

The Bank Guarantee shall be valid up to \_\_\_\_\_ only.

We or our Bank at Bhubaneswar / Cuttack (Name & Address of the Local Bank) are liable to pay the guaranteed amount depending on the filing of claim and any part thereof under this Bank Guarantee only and only if you serve upon us or our local Bank at Bhubaneswar / Cuttack a written claim or demand and received by us or by Local Branch at Bhubaneswar / Cuttack on or before Dt. \_\_\_\_\_ otherwise bank shall be discharged of all liabilities under this guarantee thereafter.

For \_\_\_\_\_  
( indicate the name of the Bank )

N.B.:

(1) Name of the Contractor:

(2) No. & date of the purchase order / agreement:

(3) Amount of P.O.:

(4) Name of Materials:

(5) Name of the Bank:

(6) Amount of the Bank Guarantee:

(7) Name, Address and Code No. of the Local Branch:

(8) Validity period or date up to which the agreement is valid:

(9) Signature of the Constituent Authority of the Bank with seal:

(10) Name & addresses of the Witnesses with signature:

(11) The Bank Guarantee shall be accepted only after getting confirmation from the respective Banks.