

ORIGINAL/DUPLICATE

No.A2/2007/21/MEC

4/2/21

Tender No.2/2020-21/MEC-PTA

Adhyapaka Rakshakartha sankatana  
MODEL ENGINEERING COLLEGE  
THRIKKAKKARA, COCHIN-21

TENDER

NAME OF WORK : **Installation of 125 KVA DG SET and connected works in the premises  
Model Engineering College, Thrikkakara.**

TENDER SUBMITTED BY

NAME OF TENDERER :  
ADDRESS :

Adhyapaka Rakshakartha sankatana  
MODEL ENGINEERING COLLEGE  
THRIKKAKKARA, COCHIN-21

**NOTICE INVITING TENDERS FOR WORK**

- (1) Sealed tenders are invited by the President Adhyapaka Rakshakartha sankatana, Model engineering college from eligible suppliers for **Installation of 125 KVA DG SET and connected works in the premises Model Engineering College, Thrikkakara**
- (2) Tenders should be submitted in the printed 'tender form' issued from the office of the officer inviting tenders. Tender forms are available from 10.00 am on 5/02/2021 to 3.00 pm on 24/02/2021.
- (3) Tenders sealed and endorsed as such with the name of the Equipment clearly written thereon, should be submitted to the officer inviting tenders before 3.00 pm on 24/02/2021. They will be opened at the office of delivery at 3.30 pm on 24/02/2021. by the President Adhyapaka Rakshakartha sankatana, Model Engineering College, or such officer as may be authorized on his behalf in the presence of those tenderers who are present at the time.
- (4) **Brief description**
- |     |                                 |   |   |
|-----|---------------------------------|---|---|
| (a) | Name of Item                    | : | <b>Installation of 125 KVA DG SET and connected works in the premises Model Engineering College, Thrikkakara.</b> |
| (d) | Earnest Money Deposit           | : | <b>8000/-</b>   |
| (e) | Last date of receipt of tenders | : | <b>3.00 pm on 24/02/2021.</b>   |
| (f) | Date of opening of tenders      | : | <b>3.30 pm on 24/02/2021.</b>   |
| (g) | Cost of tender form             | : | <b>800/-</b>  |

President PTA

FORM OF TENDER

Name of work : **Installation of 125 KVA DG SET and connected works in the  
premisses Model Engineering College, Thrikkakara.**

To  
President ,Adhyapaka Rakshakartha sankatana/ Principal  
Model engineering College,  
Thrikkakkara

Sir,

1. I / We do hereby tender to the Purchase of Item mentioned above in accordance with the terms in the tender notification, instructions to tenderer.
2. I / We agree to keep the tender open for acceptance for four months from the due date of submission thereof and not to make any modification which is not acceptable to you in the terms and conditions.
3. I / We do agree to Make the supply in 1 month from the date of receipt of written order for supply.
4. Demand Draft for Rs ..... as Earnest Money Deposit is submitted herewith. (DD.No. date and Name of bank .....  
.....)
5. If after the tender is accepted, I / We fail to execute the agreement or to commence the execution of supply provided in the conditions, I / We do agree that you shall without prejudice to any other rate or remedy be at liberty to forfeit the said Earnest Money Deposit absolutely and also to recover from me / us the entire loss that may be caused to you by the retender or re-arrangement of the work otherwise under the provision of revenue recovery act or otherwise.
6. Signed copies of the following documents are submitted herewith
  - (a) Notice inviting tender
  - (b) Instructions to tenderer
  - (c) Detailed specification
  - (d) Agreement in Kerala stamp paper

Dated Signature of tenderer :  
Name & :  
Address :

## INSTRUCTIONS TO TENDERERS

- (1) Printed tender forms can be obtained from the office of the undersigned. Tenders submitted not in such printed forms or tenders, incomplete in any respect such as unattested errors and corrections etc will be liable for summary rejection.
  - (2) No tenders received after the specified last date and time will be accepted on any account.
  - (3) Details of the item with specifications . The rates quoted shall be inclusive of all other charges and GST should be mentioned seperately.
  - (4) Each tender should be accompanied by an Earnest Money Deposit of amount mentioned in the notice inviting tender. EMD can be produced in one or other of the following forms
    - a. Demand Draft on a Scheduled Bank drawn in favor of the officer who has invited tenders.
    - b. Deposit-at-call on a Scheduled Bank assigned in favor of the officer who has invited tenders.
- Tenders without EMD will be summarily rejected.
- (5) In consideration of the tenderer being allowed to quote for the purchase , he should keep the tender firm for a period of four months from the last date for the submission of tenders. Withdrawal of tenders before this period will entail forfeiture of EMD for the purchase.
  - (6) The acceptance of the tender rests with the officer inviting tenders who does not undertake to accept the lowest or any particular tender.
  - (7) The EMD of unsuccessful tenderers will be refunded as soon as possible after tabulating the tenders, keeping the EMD of the first three lowest tenderers. EMD of the remaining unsuccessful tenderers will be refunded within a week of acceptance of the successful tender.
  - (8) The successful tenderer within seven days of receipt of the selection notice shall deposit an amount which along with the EMD shall make up the total amount equal to 5 % of contract amount (limited to a maximum of Rs100,000/-) which shall be treated as Security Deposit for the proper fulfillment of the work and he shall also execute an agreement for the work in the standard format.
  - (9) Security Deposit can be produced in one or other of the following forms
    - a. Demand Draft on a Scheduled Bank drawn in favor of the officer who has invited the tenders.
  - (10) The Security deposit will be released to the contractor only after the expiry of defects liability period. Warranty period should be mentioned in the tender.
  - (11) Time is the essence of the contract. The item should be supplied within ONE month from the date of receipt of written order . If the item is not supplied by the agreed date liquidated damages will be recovered from the tenderer in accordance with the conditions of contract.
  - (12) The tenderer should submit along with his tender an agreement executed and signed on non judicial Kerala stamp paper worth Rs 200/-. A specimen form of this agreement is given as annexure to this tender form. Tenders without this agreement will be summarily rejected.
  - (13) Any further information if required can be obtained from the office of the officer inviting tenders.

Contractors should submit the following

- (14) copy of the Valid **A Class** electrical contract license issued by the Kerala state Electricity licensing board.
- (15) Copy of the certification GST Registration, PAN Number
- (16) Minimum **5 No's of 125kVA/APFC/Single Motor Load or above Installation** should have completed in the Last Three Years. Documents of The Approval and Sanction orders issued by the Electrical Inspectorate should be enclosed.

**Installation of 125 KVA DG SET and connected works in the premises  
Model Engineering College, Thrikkakara.**

**I. PREQUALIFIER**

1. Contractors who fulfill the following requirements shall be eligible to apply.
- (a) Should have satisfactorily completed the works as mentioned below during the **last three years ending previous day of last date of submission of tenders.**

Conditions	Work Amount
<b>Three similar works each costing not less than</b>	6 lakhs
<b>Two similar works each costing not less than</b>	7 lakhs
<b>One similar work costing not less than</b>	8 lakhs

“Similar” work under this class shall mean successful completion of “**Installation of 125 KVA DG SET and connected works in the premises Model Engineering College, Thrikkakara.** for any Central/State Government Organizations, PSU's, Universities, Government Research Institute or other Government Institution in India”. (Bidder to submit copy of Completion Certificate from the Client). The P.O. can also attach as a supporting document.”

2. The rates quoted in the BOQ should be inclusive of all taxes including GST. All GST % will be as per the respective HSN codes. The bidder should quote the HSN code of the Equipment Category in respective Column. In the event of any clarification wrt GST % the committee will sort assistance from the statutory authorities. The rates shall remain firm throughout the contract period. No compensation will be paid in case of any upward revision in the statutory, taxes and levies or introduction of new taxes and levies.
3. The department reserves the right to reject any prospective Applications/ bids without assigning any reason thereof and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids/applications satisfying the laid down criteria are received.
4. The Contract will be awarded for a period of One (1) month. Delivery / installation should strictly be completed within the stipulated period from the date of work Order.
5. Warranty Certificate must be sent along with the materials as and when supplied.

**Installation of 125 KVA DG SET and connected works in the premises**  
**Model Engineering College, Thrikkakara.**  
**Specification**

<b>Installation of 125 KVA DG SET and connected works in the premises Model Engineering College, Thrikkakara.</b>					
<b>PART B</b>					
<b>Sl No.</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	Supply of Exhaust Piping for 125kVA DG set by using 4" Class B MS Pipe with all Accessories like long bend, Coupling, Flange, 2mm Packing gasket, etc including to provide heat withstanding Aluminium paint and Exhuast line fixing.	<b>Mtr</b>	<b>15</b>		
2	Supply all materials and providing thermal insulation by using high dencity glass wool or mineral wool covered with 20SWG GI mesh Neting and outer shell packed with 22SWG Aluminium and the Temperature within the limit of ambient in outer periphery of the cladding for silencer and inside Engine Exhaust manifold.	<b>Mtr2</b>	<b>5</b>		
3	Laying, testing and commissioning of following AYFY cable as per IS specifications laying through existing wall/tray or trench including all hardware and clamps.				
a	3.5 x 400sqmm Al	<b>Mtr</b>	<b>20</b>		
b	3.5 x 150 sqmm Al	<b>Mtr</b>	<b>50</b>		
4	Supply, Laying, testing and commissioning of following YFY or 2XF2X Cu conductor cable as per IS Specifications laying through existing wall/tray or trench including all hardware and clamps.				
a	8C x 2.5sqmm Cu	<b>Mtr</b>	<b>50</b>		

5	Supply of all materials and carrying out End termination for the following cables by using single compression type brass cable gland and suitable socket with antioxidant paste suitable nut and bolt complete and color coded insulation protections, gland earthing,etc.				
a	3.5 x 400sqmm	<b>No.</b>	<b>6</b>		
b	3.5 x 150sqmm	<b>No.</b>	<b>4</b>		
c	8C x 2.5sqmm	<b>No.</b>	<b>2</b>		
6	Supply, laying and end termination of following earthing conductor.				
a	25x 3 Cu.	<b>Mtr</b>	<b>75</b>		
b	10SWG Cu.	<b>Mtr</b>	<b>50</b>		
7	Dismantling the termination of 400Sqmm Cable from the existing 800A ABC with out distrubing the normel working condition in the premisess and safety	<b>No.</b>	<b>2</b>		
8	<b>AMF cum MSB Panel</b> : Design, Fabrication, Supply, Installation, Testing and commissioning of 433V, 630A, LT Panel Board. It should be dust tight,Vermin proof Floor mounted and free standing cubicle construction. The board shall be fabricated out of 14/16 SWG CR sheet and powder coated with two coats of synthetic enamel light grey paint of shade RAL 7035 after Seven Tank Proceess as per IS.The cable entry of the panels should be as Top/Bottom entry .The panel consisting as follows.				
	<b>A) Incomer</b>				
	1)630A, 4P, MCCB 36KA(Ics) with 3 O/C + one in-built Earth Fault Release with suitable spreader and ROM at 250A onwards with shunt release complete .	<b>no</b>	<b>1</b>		



	2)400A, 50kA, 4P, MCCB, 3 O/C+ ST with ROM and spreader set at 160A onwards .	No	1		
	3)630A 4P 440V Automatic Change Over switch with Controller and manual operation facilities	No	1		
	<b>B)Outgoing</b>				
	1)400A, 36kA TPN MCCB with 60% setting of magnetic release and with suitable spreader and ROM -1 No.	nos	1		
	2)315A, 36kA TPN MCCB with 60% setting of magnetic release and with suitable spreader and ROM - 3 Nos.	nos	3		
	<b>C)Metering, Protection and Indication</b>				
	1) 0-630A, 440V, 50Hz , PF and Kw sensing MFM with CT's -2 Set	set	2		
	2) RYB Indication lamp -2 Set	set	2		
	Inteligently programmed AMF relay with controller and complete -1No.	No	1		
9	Supply, Installation, Testing & Commissioning of Reverse Power Relay operated through any one of the phase of the proposed 125KVA DG set in its control panel and sensing the current flow from the provided Class I, 10VA CT of ratio 250/5A. And the same RPR is to give the signal for controlling the power of existing Solar Generating Panel. The work include the supply and installation of 125A, TPN, 25KA, MCCB with 230V, ST coil and control cable 3C x 2.5sqmm from RPR to MCCB of approx length 60Mtr.	No.	1		
10	Removing all connection, arranging the calibration of the following components and get it the test certificate. (Excluded all statutory payments)				
a.	kWH meter	No.	1		
b.	Nuetral CT	No.	1		
c	Measuring CT	No.	3		
d	Stand by earth fault relay	No.	1		
11	Supply and fabrication of MS items and providing 2 coats of metal primer and 2 coats of paint.	Kg	250		
12	Preparation of all drawings, Documentaion, arranging inspection and getting approval from Electrical Inspectorate including to receive Energisation sanction order (excluded all statutory payment)	no	1		

**ANNEXURE  
AGREEMENT**

Articles of agreement executed on this the.....day of.....two thousand..... BETWEEN the President Adhyapaka Rakshakartha sankatana /Principal, Model Engineering College Thrikkakara (hereinafter referred to as (name of institution ) of the one part and Sri..... (H.E name and address of the tenderer) hereinafter referred to as “the bounden” of the other part.

WHEREAS in response to the notification No.....dated ..... the bounden has submitted to the Institute a tender for the ..... Specified herein subject to the terms and Conditions contained in the said tender.

WHEREAS the bounden has also deposited with the Institute a sum of Rs..... as earnest money for execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by the Institute.

NOW THESE PRESENTS WITNESS AND IT IS HEREBY MUTUALLY AGREED AS FOLLOWS:-

1. In the case the tender submitted by the bounden is accepted by the President Adhyapaka Rakshakartha sankatana, MEC and the contract for ..... is awarded to the bounden, the bounden shall within ..... days of acceptance of his tender execute an agreement with the President Adhyapaka Rakshakartha sankatana MEC incorporating all the terms and conditions under which the institute accepts his tender.
2. In case the bounden fails to execute the agreements as aforesaid incorporating the terms and conditions governing the contract, the President Adhyapaka Rakshakartha sankatana MEC shall have power and authority to recover from the bounden any loss or damages caused to the PRINCIPAL MEC by such breach as may be determined by President Adhyapaka Rakshakartha sankatana MEC by appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner herein after contained.
3. All sums found due to President Adhyapaka Rakshakartha sankatana MEC under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable as decided by the institute.

In witness where of Sri.....(H.E name and designation) for and on behalf of the President Adhyapaka Rakshakartha sankatana Model Engineering College Thrikkakara and Shri .....the bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri..... (date)..... in the presence of  
witness:

1..... 2.....

Signed by Shri..... (date)..... In the presence of  
witness:

1..... 2.....

President PTA