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NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH
Taramani Chennai 600 113
Ministry of Education, [Dept. of Higher Education]
Government of India

No.NITTTR/ S & P / DCEE / 4 Cells RCPT Apparatus / 2021-22

Date: 30.03.2022

To

Delivery required by:

Stores & Purchase Div.
NITTTR
Chennai600113

QUOTATION DUE DATE

a. Please send your quotation within the due date
on sealed envelope on or before:

Date :14.04.2022 before 3.00 p.m

b. Delivery required at NITTTR, Chennai :**immediately**

Sl. No	Description of Items	Material Code	Approximate Quantity Required
1.	<p><u>4 cells RCPT Apparatus</u></p> <p>No. Of cells : Four cells Power supply:60 volt +/-0.1 volt dc adjustable provide supply to four cells Protections : 1Amp fuse for each cell</p> <p>For Detailed specification refer Annexure -I</p>		1 No.

Note:

GSTIN No. must be specified in your quotation

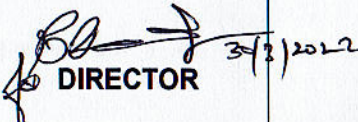
Sales tax & any other charges should be mentioned separately.

The Warranty, **make** and models of the quoted items should be mentioned clearly.

Cover should be addressed: (Ref. No. should be written on the sealed cover)Name :

Head
Stores and Purchase Division
National Institute of Technical Teachers' Training and Research
Taramani , Chennai 600 113

(For terms and conditions please see overleaf)


DIRECTOR

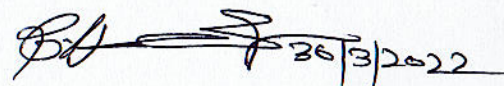
Terms & Conditions

1. The quotation must specify the period within which the supply could be effected from the date of receipt firm orders.
2. Quotation received after the due date mentioned on the reverse will not be considered.
3. Your quotations should be for materials strictly in accordance with the specifications shown. In case you are offering substitutes state clearly the exact specification etc, of the materials offered Drawing sketches or any other technical data should be submitted separately.
4. The prices quoted should clearly specify charges for delivery of the goods to destination indicated overleaf.
5. The prices quoted should include all packing costs and it will be assumed that packing materials (cases etc..) are non-returnable unless otherwise stated.
6. Sales tax or any other taxes if applicable should be shown separately giving the full rate of taxes for each items giving ex-incidence of such levies.
7. The Director reserves the right to accept the whole or part of any quotation without assigning any reason and the lowest or any quotation, will not necessarily be accepted, and the Director's decision shall be the final.
8. Samples must accompany the quotation when so specified or within two days when asked for later.
9. If it is discovered that the materials supplied are not exactly according to the specification, the entire stock will be rejected.
10. We reserve the right to inspect the goods offered at any stage of manufacture / supply at your premises.
11. Any dispute arising out of or relating to this Enquiry shall be deemed to have arisen in Madras and is subject to adjudication of the Madras Courts.
12. Rates quoted once will remain firm for that particular dealing.
13. The quotation should be kept valid for a period of 60 days from the date of opening for acceptance.
14. Payment will be made after confirmation on receipt of the materials in good condition at this Institute (normally within 30 days.) Advance payment will not be entertained at any circumstances.
15. Printed conditions of the firm sent along with the quotation form if any, shall not be binding on us.
16. In case of Printing the Proof should be got approved before final strike.
17. Materials should be supplied at this institute in good condition.
18. Price quoted by the suppliers accepted by the Director is final, and no deviation there from will be accepted without the Director's agreement in writing.
19. If the rates are under D.G.S. & D. Please specify the same clearly enclosing necessary documents.
20. Service facility in Tamil Nadu with address proof. Service should be done immediately as and when required form NITTTTR, Chennai.

ANNEXURE – I

4 CELLS RCPT APPARATUS

- No. Of cells : Four cells
Power supply:60 volt ± 0.1 volt dc adjustable provide supply to four cells
Protections : 1Amp fuse for each cell
 - Indications : digital voltmeter three digit seven segment LED display and the four line LCD display with DAQ system
 - **Cells details : as per the specifications**
 - **Dc supply can be varied from 60 \pm 1 volt continuously**
 - DC supply should be provided to all the four channels simultaneously and the current flow through each cell should be individually monitored.
 - Flexible cables with the banana type pins should be provided for all the cells to establish the connection with the apparatus.
 - Temperature using RTD sensor for each cell should also be monitored and recorded.
- Data acquisition Processing system and software:**
- DC current in 999.9 milliampere and the temperature of chemical solutions in 99.9 deg Centigrade (maximum values)
 - LCD displays should indicate all the parameters continuously. All the data should be transmitted to the computer simultaneously.
 - Record Interval time set : 0-99hr, 0-99min and 0-99 Sec.
 - Total log time set : 0-99hr, 0-99min and 0-99 Sec.
 - The set values should be settable through key pad switches provided.
 - Totally eight parameters, four numbers of cell current and four numbers of temperature of the cell chemicals should be displayed.
 - All the acquired data should be transferred to the PC through RS232 output and through USB cable
 - The monitor should display the present current reading as well as the cumulative current reading.
 - At the end of test, quartz buzzer should be activated and the PC should save the readings in a separate file.
 - For graphical display, software should be provided.

 30/3/2022