



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान  
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE  
मैसूरु / MYSURU-570 020, भारत / INDIA

(Constituent Laboratory of CSIR, New Delhi (Ministry of Science & Technology)  
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL Accredited Laboratory

सं. /No. CFTRI /74187/19-20

दिनांक / Date: 19<sup>th</sup> February 2020

**NOTICE INVITING TENDER**

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	CFTRI/74187/19-20	Supply, installation & Commissioning of 20KVA UPS

1. Director, CSIR-CFTRI, Mysuru invites tenders for Supply, installation & Commissioning of 20KVA UPS
2. Last date for submission of Tender is 2.00 P.M. (IST) on 10<sup>th</sup>/March/ 2020 on line (CPPP) in etenders.gov.in
3. Technical Bid Opening on-line in etender portal at 2.30P.M (IST) on 11<sup>th</sup>/March/2020

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

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## CRITICAL DATE SHEET

Tender Ref/No. CFTRI/74187/19-20:

<b>Sl.No.</b>	<b>Stages</b>	<b>Date &amp; Time</b>
1	Publish Date & Time	19/02/2020 @ 5.30p.m.
2	Document Download Start Date & Time	19/02/2020 @ 5.30p.m.
4	Bid submission Start Date & Time	27/02/2020 @ 10.00a.m.
5	Bid submission End Date & Time	10/03/2020 @ 2.00p.m.
6	Bid Opening Date & Time	11/03/2020 @ 2.30p.m.

# Specification & Allied Technical Details of 20KVA UPS

CFTRI/74187/19-20

<b>Specifications for 20KVA online UPS</b>	
<b>Rating of UPS</b>	<b>20 KVA on-line with double conversion</b>
<b>INPUT PARAMETERS</b>	
Line voltage	415VAC, 3-Phase With Neutral and dedicated earth
Frequency	50HZ± 10%
Rectifiers	IGBT with PWM
Input power factor	Unity Power Factor
Input current distortion THDi	<5%
<b>Reverse phase Protection</b>	<b><i>UPS shall have protection against the reverse of phase sequences at the input supply.</i></b>
<b>OUTPUT PARAMETERS</b>	
Inverter	IGBT with PWM
Voltage	230VAC single phase
Frequency	50Hz
Power Factor	0.8
UPS Output	20KVA
<b><i>Voltage distortion for 100% load</i></b>	<b><i>&lt;2% at linear Load and &lt;3% at nonlinear Load</i></b>
Synchronizing window	+ 1 Hz to + 2 Hz ( option to select through control panel)
Frequency stability-synchronized	Output bypass synchronization frequency range(up to + 2 Hz)
Maximum rate of change of frequency	Upto 0.5 HZ/sec
<b><i>Bypass transfer time</i></b>	<b><i>Zero milisec</i></b>
Isolation Transformer	Built-in Galvanic transformer at the output
<b><i>UPS warranty period</i></b>	<b><i>Minimum 2 years</i></b>
<b>Battery requirements</b>	
Battery Backup	Minimum 1.0 hour at Full Load
Type of Battery & VAH rating	12V SMF Batteries (Make: Quanta) Min 31200VAH
Battery stand	Suitable Vertical Metal Rack
Cable	Battery interlink cable shall be supplied
<b><i>Batteries warranty period</i></b>	<b><i>Minimum 2 years</i></b>
LCD Display	To monitor Voltages (Input, Output, Battery), Current (Battery charging current, Load current), Frequency, Bypass status etc.
<b>Alarms and Protections</b>	<b>UPS shall have protections against the fault conditions at Input, Battery voltages, Charger, Inverter &amp; Output etc.</b>

## INSTRUCTIONS TO BIDDERS

1. The Instructions, Terms & Conditions, General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Annexures and Formats hosted in our website [www.cftri.res.in](http://www.cftri.res.in) [Path: Home page → Tenders → Standard Tender Document (Scrolling Text)] constitute as integral part of this tender.
2. Bidders should submit their financial bid in the format provided (Price Schedule Format/BOQ) and same has to be uploaded in the above etender.gov.in. It is mandatory for all the bidders to upload duly filled Price Schedule Format/BOQ towards submission of their Financial Bid. No changes or modification to the given format is acceptable. Bidders are required to go through the instructions carefully before filling the Price Schedule Format/BOQ.
3. Please note that CSIR-CFTRI, Mysore is registered with the Department of Scientific and Industrial Research (DSIR) for purpose of availing GST @5% concessional rate as per Central Tax(Rate)/Integrated Tax(Rate) in terms of Notification No. 45/2017-Central Tax (Rate)/No. 47/2017- Integrated (Rate) Dt. 14-11-2017. You are advised to quote accordingly.
4. Integrity Pact is not applicable for this tender.
5. **Warranty:** Two years from the date of supply, fixing, demonstration and acceptance by the Purchaser.
6. **Delivery Period:** Delivery should be effected within 4 weeks from the date of issue of Purchase Order.
7. **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:

### **Payment for Goods and Services supplied from India:**

Payment for Goods and Services supplied from within India shall be made in Indian Rupees, [INR] as follows:

**On Delivery, Installation & Commissioning, Demonstration and Acceptance:** 100 % (Hundred Percent) of the Contract Price shall be paid on Delivery of the Goods, Installation & Commissioning, Demonstration and Satisfactory Acceptance of Items.

8. **COVER DETAILS - DOCUMENTS TO BE UPLOADED:**
  - Cover – 1: PreQual/Technical (Techno-Commercial Details) for Procurement of 20KVA UPS (Document Type .pdf)**
    - 1.(a) Catalogue / Brochure of the Model Quoted along with a detailed description of the essential technical and performance characteristics of the goods being offered, with an item by-item commentary on the indented technical specification and documentary evidence of conformity of the goods and services to the bidding documents demonstrating substantial responsiveness of the goods being offered.
    - (b) Two (2) latest Purchase Order Copies with price of reputed Govt. Research Institutes/Organization for the supply & installation and satisfactory functioning of the similar/equivalent equipment to comply with minimum

eligibility criteria.

- (c) User list for the quoted model along with contact Numbers and Email Id
- (d) Warranty offered and delivery schedule.
- 2. Bidder Information Form (Annexure – 1)
- 3. Manufacturer's Authorization Form (Annexure – 2)
- 4. Bid Security Form (Annexure-3) / Bid Security Declaration Form (Annexure-4)
- 5. Performance Statement Form (Annexure – 5)
- 6. Deviation Statement Form (Annexure – 6)
- 7. Bidders must furnish a Compliance Statement of each and every required specification of our tender (Annexure-8)
- 8. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
- 9. Schedule of Requirements – (Refer Chapter 5 for Format)
- 10. Declaration abiding by the Code of Integrity and No Conflict of Interest for Public procurement (Annexure – 11)

**Cover – 2: Price Schedule Format/BOQ (Document Type .xl) BOQ uploaded in etenders.gov.in**

**Please refer to our Standard Terms & Conditions uploaded in [www.cftri.res.in](http://www.cftri.res.in) under tender (Chapter-7) for above Format of Annexures. Any other supporting documents to avail preference/benefits as per Standard Tender Document must be uploaded with the technical bid for technical qualification.**