

Bid Document

Bid Details	
Bid End Date/Time	05-09-2020 16:00:00
Bid Opening Date/Time	05-09-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Science And Technology (dst)
Organisation Name	Indian Institute Of Astrophysics (iia)
Office Name	Bengaluru
Total Quantity	1
Item Category	Online UPS (PAC Only)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Online UPS (1 pieces) (Under PAC)

Make	numeric
Model	onlineups

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	3.0 KVA	3.0 KVA
	Technology	IGBT-PWM with inbuilt isolation transformer	IGBT-PWM with inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	120	120
	Minimum VAH (VAH)	9600	9600
	Warranty for UPS (Years)	3	3
	Movable trolley for Batteries	Without trolley but with rack	Without trolley but with rack
	Warranty for battery	2	2
	Degree of Protection	IP20	IP20
	Cabling 5 meters for input and out put	Without	Without
	Paralleling kit for synchronising	Without	Without
	Installation and Commissioning	Yes	*
Constructional	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.0	*
	Type of Battery	Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest	Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest
Functional	Maximum overshoot and Under shoot of output rated voltage	4	*
	Voltage Regulation from no load to full load (%)	< / = 3%	*
	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%	>/=90%
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds	No, only for 3 seconds
Protection	Protection for under voltage at battery terminal at 10.5V per 12 V battery	Yes	*
	Protection of Over voltage,Short Circuit &	Yes	*

	over load at UPS output terminal		
Metering And Indications	Digital Metering in UPS for AC Input Voltage, Output AC Voltage, Current, Frequency, Battery Voltage and Current	Yes	*
	Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes	*
Reports And Certification	Damp Heat : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C, two cycles of (12+12) hours each 2007)	Yes	*
	Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs	Yes	*
	Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs.	Yes	*
	Availability of the Type Test Report from Central Govt. /NABL/ILAC Accredited lab covering all technical requirements.	Yes	*
	Type Test Certificate No.	NTH / NISAKI	*
	Type Test Certificate date	2014 / 2015	*
	Name of Lab	NTH / NISAKI	*
	Address of Lab	CHENNAI / BANGALORE	*
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting	Address	Quantity	Delivery Days
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	Officer			
1	Ebenezer Chellasamy	624103,Kodaikanal Solar Observatory Indian Institute of Astrophysics For recipet and acceptance : contact Mr. Vivek C : 9440259855	1	15

Special terms and conditions for category Online UPS

1. Calculation of Minimum VAH based on Back up time Minimum VAH requirements would be calculated on the basis of following: (VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)UPS Rating15 Minutes30 Minutes60 Minutes90 Minutes120 Minutes180 Minutes240 Minutes1 KVA400 VAH800 VAH1600 VAH2400 VAH3200 VAH4800 VAH6400 VAH2 KVA800 VAH1600 VAH3200 VAH4800 VAH6400 VAH9600 VAH12800 VAH3 KVA1200 VAH2400 VAH4800 VAH7200VAH9600 VAH14400 VAH19200 VAH5 KVA2000 VAH4000 VAH8000 VAH12000 VAH16000 VAH24000 VAH32000 VAH6 KVA2400 VAH4800 VAH9600 VAH14400 VAH19200 VAH28800 VAH38400 VAH7.5 KVA3000 VAH6000 VAH12000 VAH18000 VAH24000 VAH36000 VAH48000 VAH10 KVA4000 VAH8000 VAH16000 VAH24000 VAH32000 VAH48000 VAH64000 VAH15 KVA6000 VAH12000 VAH24000 VAH36000 VAH48000 VAH72000 VAH96000 VAH20 KVA8000 VAH16000 VAH32000 VAH48000 VAH64000 VAH96000 VAH128000 VAH30 KVA12000 VAH24000 VAH48000 VAH72000 VAH96000 VAH144000 VAH192000 VAH40 KVA16000 VAH32000 VAH64000 VAH96000 VAH128000 VAH192000 VAH256000 VAH60 KVA24000 VAH48000 VAH96000 VAH144000 VAH192000 VAH288000 VAH384000 VAH80 KVA32000 VAH64000 VAH128000 VAH192000 VAH256000 VAH384000 VAH512000 VAH100 KVA40000 VAH80000 VAH160000 VAH240000 VAH320000 VAH480000 VAH640000 VAH

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.
Applicable Concessional rate of GST : 5%
Notification No. and date : 47/2017 dated 14/11/2017
3. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
4. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
5. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
- 6.1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
7. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
 - i) The Seller fails to comply with any material term of the Contract.
 - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
 - iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - iv) The Seller becomes bankrupt or goes into liquidation.
 - v) The Seller makes a general assignment for the benefit of creditors.
 - vi) A receiver is appointed for any substantial property owned by the Seller.
 - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
8. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

9. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---