

Bid Document

Bid Details	
Bid End Date/Time	12-02-2019 13:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	45 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	National Institute Of Technology (nit)
Office Name	Warangal
Total Quantity	2
Item Category	Online UPS
MSE Exemption For Years Of Experience And Turnover	Yes

Online UPS (2)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
GENERIC	Rating in KVA (KVA)	2.0 KVA	2.0 KVA
	Technology	IGBT-PWM with inbuilt isolation transformer	MOSFET-PWM with inbuilt isolation transformer, IGBT-PWM with inbuilt isolation transformer, IGBT-PWM without inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz	single phase 160V - 260V sinewave,50Hz, Three phase 300 V - 450V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz	Single phase 230V +/-1% sinewave 50 Hz, 3 Phase 400V +/-1% with alternative user settable setting of 380V +/-1% 50 Hz

	Backup time (Minutes)	120	120
	Minimum VAH (VAH)	3200	400 - 640000
	Warranty for UPS (Years)	2	1, 2, 3, 4, 5
	Movable trolley for Batteries	Without trolley but with rack	With, Without, Without trolley but with rack
	Warranty for battery	2	1, 2
	Degree of Protection	IP21	IP21, IP20
	Cabling 5 meters for input and out put	Without	With, Without
	Paralleling kit for synchronising	Without	With, Without
	Installation and Commissioning	Yes	*
CONSTRUCTIONAL	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.2	*
	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)	*
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	Yes	*
	Overall Efficiency (%)	> / = 90%	*
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	50% Overload limit for minimum 1 minutes	Yes	*
PROTECTION	Protection for under voltage at battery terminal at 10.5V per 12 V battery.	Yes	*
	Protection of Over voltage,Short Circuit & over load at UPS output terminal	Yes	*
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.	-	*
	Type Test Certificate date	-	*
	Name of Lab	-	*
	Address of Lab	-	*
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes	*

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days

1	Geddada Raju	506004,NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL	2	15
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EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Buyer Specific Additional Terms and Conditions

- 1. Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- 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 : 45/2017, 47/2017 dated 14/11/2017

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

---Thank You---