

Bid Document

Bid Details	
Bid End Date/Time	05-11-2018 11:00:00
Bid Validity	90 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Research & Development
Organization Name	Defence Research And Development Organisation (drdo)
Office Name	Mmd
Total Quantity	1
Item Category	Online UPS

Online UPS (1)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
GENERIC	Rating in KVA (KVA)	20.0 KVA	20.0 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	Three phase 300 V - 450V 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
	Backup time (Minutes)	120	120
	Minimum VAH (VAH)	64000	64000
	Warranty for UPS (Years)	2	2
	Movable trolley for Batteries	Without trolley but with rack	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	With	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 (%)		*
	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	Yes	*

IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C,two cycles of (12+12) hours each 2007)		
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 and Quantity

S.No.	Consignee	Address	Quantity	Delivery Days
1	Harish Kumar	134111,Terminal Ballistics Research Laboratory Ramgarh Range, Distt Panchkula	1	45

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

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

---Thank You---