

Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 14:00:00
Bid Opening Date/Time	25-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Army
Office Name	*****
Total Quantity	1
Item Category	Online UPS
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
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)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	6.0 KVA	*
	Technology	IGBT-PWM without 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)	30	15, 30, 60, 90, 120, 180, 240, NA
	Minimum VAH (VAH)	4992	0 - 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, NA
	Degree of Protection	IP20	IP21, IP20
	Cabling 5 meters for input and out put	With	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)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest, Stationary Cells and Batteries, Lead Acid type, (with tubular

			positive plates) conforming to IS:1651:1991 latest, NA, Lithium ion
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	Yes, No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%	>/=90%, >/=92%, >/=94%, >/=96%
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	50% Overload limit for minimum 1 minutes	Yes	Yes, 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 & 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	Yes	*

3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs		
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	*

* 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 Officer	Address	Quantity	Delivery Days
1	*****	*****AMBALA	1	90

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. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
2. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
3. ISO 9001: The bidder must have ISO 9001 certification.

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

---Thank You---