

### RA Document

RA Details	
RA Technical End Date/Time	27-07-2020 12:00:00
RA Opening Date/Time	27-07-2020 12:30:00
RA Life Cycle (From Publish Date)	90 (Days)
RA Offer Validity (From End Date)	30 (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
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

RA splitting not applied.

### Online UPS ( 1 pieces )

#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
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Generic	<b>Rating in KVA (KVA)</b>	5.0 KVA	5.0 KVA
	<b>Technology</b>	IGBT-PWM without inbuilt isolation transformer	IGBT-PWM with inbuilt isolation transformer, IGBT-PWM without inbuilt isolation transformer
	<b>Input Power</b>	single phase 160V - 260V sinewave,50Hz	single phase 160V - 260V sinewave,50Hz
	<b>Output power</b>	Single phase 230V +/-1% sinewave 50 Hz	Single phase 230V +/-1% sinewave 50 Hz
	<b>Backup time (Minutes)</b>	30	30, 60
	<b>Minimum VAH (VAH)</b>	4992	5000, 4992
	<b>Warranty for UPS (Years)</b>	2	2
	<b>Movable trolley for Batteries</b>	Without trolley but with rack	With, Without trolley but with rack
	<b>Warranty for battery</b>	2	2
	<b>Degree of Protection</b>	IP20	IP20
	<b>Cabling 5 meters for input and out put</b>	Without	With, Without
	<b>Paralleling kit for synchronising</b>	Without	Without
Constructional	Installation and Commissioning	Yes	*
	Minimum thickness of M.S.Sheet Enclosure duly painted (mm)	1.0	*
Functional	<b>Type of Battery</b>	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
	Maximum overshoot and Under shoot of output rated voltage	4	*
	Voltage Regulation from no load to full load (%)	< / = 3%	*
	<b>20% Overload limit for minimum 10 minutes</b>	Yes	Yes
	<b>Overall Efficiency (%)</b>	>/=90%	>/=90%
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	<b>50% Overload limit for minimum 1 minutes</b>	Yes	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	*

\* 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

#### Consignee/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days	
1	*****	*****North Goa	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. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
2. After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with

modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.

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

**---Thank You---**