

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 16:00:00
Bid Opening Date/Time	27-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Reseach & Development
Organisation Name	Office Of Dg (mss)
Office Name	*****
Total Quantity	2
Item Category	Online UPS
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	Yes
Inspection Required	No

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	45000

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	38

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Director, ITR

Balasore, Department of Defence Research & Development, Office of DG (MSS), Ministry of Defence

(Public Fund Of Director)

Splitting

Bid splitting not applied.

Online UPS (2 pieces)**Technical Specifications**[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	40.0 KVA	40.0 KVA
	Technology	IGBT-PWM with inbuilt isolation transformer	IGBT-PWM with inbuilt isolation transformer
	Input Power	Three phase 300 V - 450V sinewave, 50Hz	Three phase 300 V - 450V sinewave, 50Hz
	Output power	3 Phase 400V +/-1% with alternative user settable setting of 380V +/-1% 50 Hz	3 Phase 400V +/-1% with alternative user settable setting of 380V +/-1% 50 Hz
	Backup time (Minutes)	15	15
	Minimum VAH (VAH)	17136	17136
	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	With	With
Constructional	Installation and Commissioning	Yes	*
	Minimum thickness of M.S. Sheet Enclosure duly painted (mm)	1.2	*
Functional	Type of Battery	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%	*
	20% Overload limit for minimum 10 minutes	Yes	Yes

	Overall Efficiency (%)	>=96%	>=96%
	Total Harmonic Distortion(THD) (%)	Maximum 3%	*
	50% Overload limit for minimum 1 minutes	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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****BALESWAR	2	60

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 Rating 15 Minutes 30 Minutes 60 Minutes 90 Minutes 120 Minutes 180 Minutes 240 Minutes 1 KVA 400 VAH 800 VAH 1600 VAH 2400 VAH 3200 VAH 4800 VAH 6400 VAH 2 KVA 800 VAH 1600 VAH 3200 VAH 4800 VAH 6400 VAH 9600 VAH 12800 VAH 3 KVA 1200 VAH 2400 VAH 4800 VAH 7200 VAH 9600 VAH 14400 VAH 19200 VAH 5 KVA 2000 VAH 4000 VAH 8000 VAH 12000 VAH 16000 VAH 24000 VAH 32000 VAH 6 KVA 2400 VAH 4800 VAH 9600 VAH 14400 VAH 19200 VAH 28800 VAH 38400 VAH 7.5 KVA 3000 VAH 6000 VAH 12000 VAH 18000 VAH 24000 VAH 36000 VAH 48000 VAH 10 KVA 4000 VAH 8000 VAH 16000 VAH 24000 VAH 32000 VAH 48000 VAH 64000 VAH 15 KVA 6000 VAH 12000 VAH 24000 VAH 36000 VAH 48000 VAH 72000 VAH 20 KVA 8000 VAH 16000 VAH 32000 VAH 48000 VAH 64000 VAH 96000 VAH 128000 VAH 144000 VAH 192000 VAH 40 KVA 16000 VAH 32000 VAH 64000 VAH 96000 VAH 128000 VAH 192000 VAH 256000 VAH 60 KVA 24000 VAH 48000 VAH 96000 VAH 144000 VAH 192000 VAH 288000 VAH 384000 VAH 80 KVA 32000 VAH 64000 VAH 128000 VAH 192000 VAH 256000 VAH 384000 VAH 512000 VAH 100 KVA 40000 VAH 80000 VAH 160000 VAH 240000 VAH 320000 VAH 480000 VAH 640000 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

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

---Thank You---