

### Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 15:00:00
Bid Opening Date/Time	21-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Military Engineer Services
Office Name	*****
Total Quantity	1
Item Category	Line Intractive UPS with AVR
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
Estimated Bid Value	4500

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### Line Intractive UPS With AVR ( 1 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	<b>Rating in KVA/ min VAH capacity of battery (KVA/VAH)</b>	1.5/800	1.5/400, 1.5/600, 1.5/800
	<b>Technology</b>	MOSFET-PWM	MOSFET-PWM, IGBT-PWM
	<b>Type of battery</b>	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3	SMF-VRLA confirming to JISC-8702 Pt 1,2 &3
	<b>Rated Output (Volt)</b>	Single Phase Quasi-Sin-wave 230 V AC, 50 Hz	Single phase sinewave 230v AC , 50Hz, Single Phase Quasi-Sin-wave 230 V AC, 50 Hz
	<b>Degree of protection</b>	IP-21	IP-21, IP 20
	<b>Inverter Efficiency (%)</b>	> / = 70%	> / = 60%, > / = 70%, > / = 80%, > / = 90%
	<b>Warranty for the battery from the date of delivery</b>	1 year	1 year, 3 Years
	<b>Warranty for Line Interactive UPS</b>	2 Years	1 Year, 2 Years, 5 Years, 3 Years, 4 Years
	Installation and commissioning instructions	Yes	*
CONSTRUCTIONAL	Type of enclosure	ABS	*
	<b>AC out put for printer (not through inverter)</b>	Yes	Yes, No
	<b>Inverter out put socket AC out put for printer (not through inverter)</b>	3 Three pin	2 Three pin, 3 Three pin, Hard wiring, Not applicable, 4 Three pin, 5 Three pin, 6 Three pin, 7 Three pin, 8 Three pin
FUNCTIONAL	Total harmonic distorsion (%)	< / = 40%	*
	Input (Volt)	Single phase sinewave(160-280v)	*
	Switching over time (Mili sec)	Maximum 10 milli seconds	*
	<b>Overload Time (Minutes)</b>	> / = 10 minutes	> / = 10 minutes, > / = 5 minutes
	<b>Load power factor</b>	> / = 0.6	> / = 0.6, > / = 0.8
	<b>Variation in AVR output in AC mode (%) AVR (Voltage</b>	230 Volts +/-9%, 50 +/-3 Hz	230 Volts +/-9%, 50 +/-3 Hz, 230 Volts +/-15%, 50 +/-3 Hz

	<b>regulation) output voltage in AC Mode</b>		
	Overload (%)	>=10%	*
	Variation in output voltage in battery mode (%) (UPS output voltage in battery mode)	230 Volts +/- 10%	*
	Variation on output frequency in battery mode (Hz)	<=0.5	*
PROTECTION	Protection against (over discharge) discharge per 12v battery (Volt)	10.5	*
	Protection for outside input voltage range: If Input voltage goes outside the range 160 to 280 Volts, the system shall switch over to battery mode	Yes	*
	Protection against short circuit of UPS	Yes	*
	Protection for over voltage and over load	Yes	*
REPORTS AND CERTIFICATIONS	Damp heat Test at 45 degree , RH -95% for 2-cycle as per IS:9000 pt-5/sec-1	Yes	*
	Dry heat Test at 45 degree for 16 Hrs as per IS:9000 pt-3/sec-5	Yes	*
	Cold Test as per IS:9000 pt-2/sec-4	Yes	*
	Availability of the type test report from central Govt./NABL/ILAC Accredited Lab	Yes	*
	Type Test certificate no. and 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	*****	*****DEHRADUN	1	15

### **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---**