

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 13:00:00
Bid Opening Date/Time	27-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Border Road Organisation
Office Name	*****
Total Quantity	4
Item Category	water baths
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.

### Water Baths ( 4 pieces )

#### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Water Bath Chamber Dimensions, Capacity and Construction	Chamber Length of offered product:	-	*
	Chamber Width of offered	-	*

	product:		
	Chamber Depth of offered product:	-	*
	<b>Water bath Chamber Capacity</b>	>over 14 to 18 litre	2 to 4 litre, > over 4 to 6 litre, >over 8 to 10 litre, >over 10 to 14 litre, >over 14 to 18 litre, >over 18 to 22 litre, >over 22 to 26 litre, >over 26 to 30 litre, over 6 to 8 litre, over 30 to 34 Litre
	<b>Chamber Construction:</b>	Double walled rectangular chamber	single walled rectangular chamber, Double walled rectangular chamber, Double walled rectangular chamber with mineral wool/solid insulation material filling in between
	Material of inner Chamber and lid Construction:	Stainless Steel (SS 304)	*
	<b>Material of Outer Chamber Construction:</b>	Epoxy / Powder coated Stainless Steel SS304	Epoxy coated/Powder coated mild steel, Epoxy / Powder coated Stainless Steel SS304
	Weight (kg)	8	*
	<b>Number of racks provided with Water bath unit</b>	2	0, 2, 4, 6, 8, 10, 12, 14
	<b>Number of 75 mm diameter Holes provided:</b>	0	0, 6, 8, 12, 15, 24
Heating Arrangement Parameters	Heat source:	Heating shall be done by a immersion heater.	*
	<b>Heating Capacity (&gt;=):</b>	1000	800, 1000, 1500, 2000, 2400, 2500, 3000, 200, 1200
Control Panel and Display Unit	<b>Control Panel has:</b>	ON/Off Switch,Power mains Indicator,Temperature controller	ON/Off Switch, Heating & Temprature (Set & Actual) Indicators, Power mains Indicator, Temperature controller, Circulation Controller (if Water bath has circulation facility), Refrigeration Controller (if Water bath has chamber refrigeration facility), Shaking Controller (if Water bath has shaking facility)
	<b>Adjustable shaking frequency in rpm</b>	NA	20-200, NA
	<b>Type of Temperature controller</b>	Thermostat based control	Thermostat based control, Digital controller cum Indicator PID Based control Or higher
	<b>Water bath Display type:</b>	Analog Display	Analog Display, Digital (numerical/application specific) backlit LCD display, LED
	<b>Integrated circulation pump for temperature homogeneity</b>	No	Yes, No Or higher

	<b>Removable bottom plate and shaking inserts</b>	No	Yes, No Or higher
Water bath Temperature	<b>Temperature range of bath chamber:</b>	5°C above ambient to 99.9°C	5°C above ambient to 99.9°C, 5°C above ambient to 90°C, 5°C above ambient to 95°C, 20°C to 99.9°C, 10°C to 100°C
	<b>Temperature control sensitivity:</b>	±0.5°C or better	±0.5°C or better, ±0.2°C or better, ±0.1°C or better Or higher
	<b>Least temperature increment Step available</b>	0.1 degree C	5 degree C, 1 degree C, 0.1 degree C, 0.01 degree C Or higher
	<b>Temperature Accuracy:</b>	±1°C or better	±5°C or better, ±1°C or better, ±0.5°C or better, ±0.2°C or better, ±0.1°C or better Or higher
	<b>Safety Features:</b>	Low fluid Alarm	Low fluid Alarm, High limit Alarm, Over temperature Alarm & cutoff, Redundant safety thermostat
Power Requirement, Certifications and Warranty	<b>Power requirement:</b>	220 V 50 Hz Single Phase AC	220 V 50 Hz Single Phase AC, 440 V 50Hz three phase AC
	<b>Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification</b>	No	Yes, No
	Manufactured by ISO 9001:2008 or latest certified firm:	YES	*
	<b>Equipment has CE certification</b>	No	Yes, No
	<b>Warranty Period:</b>	3	3, 5 Or higher
Cover	Lid/cover Provided	No	*
	Shape of Cover	Rectangular	*
Timer Unit	<b>Timer Provided</b>	Yes	Yes, No
	<b>Timer Setting ( minimum increment step)</b>	5	0 - 300
Miscellaneous Features	<b>Drain plug in Chamber provided</b>	No	Yes, No
	<b>Data Logging facility through (RS 232/USB/HDMI/Bluetooth etc) to computer available:</b>	No	Yes, No
	Steel holder for tubes and Flasks provided:	-	*
	<b>Drain screw for emptying of water bath</b>	No	Yes, No Or higher
	<b>Seamless and waterproof keypad</b>	No	Yes, No Or higher

\* 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	*****	*****JODHPUR	4	30

#### **Bid Specific Additional Terms and Conditions**

1.Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

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