

DIRECTORATE GENERAL BORDER SECURITY FORCE
(COMMUNICATION & IT) DIRECTORATE (EQPT CELL)

EXPRESSION OF INTEREST

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Technical Board of officers constituted by FHQ BSF vide their letter No 0052/Proc/ Nitrogen Purging /SIW/BSF2017/-18/772-75 dated 19/02/2018 held its meeting at SIW BSF to formulate the qualitative requirements and trial directives of Temperature Controlled Purging Chamber.

Draft QRs and Trial Directives for TEMPERATURE CONTROLLED PURGING CHAMBER

S.No	Qualitative Requirement	Trial Directives
1.	GENERAL DESCRIPTION	
	a) The chamber has basically designed to vacuum upto 30 PSI and pressurization upto 15 PSI (1 Kg/cm) (Required to purged externally).	To be checked by the BOO
	b) The chamber should be double walled construction with minimum 100 mm thick or better.	To be checked by the BOO
	c) Chamber wall should be both thermal and electrically insulated.	To be checked by the BOO
	d) Detachable Partition should be provided in workspace.	To be checked by the BOO
	e) Interior of the chamber should be made with 10 SWG stainless steel or better and exterior wall will be fabricated with CRCS with electrostatic powder coated.	To be checked by the BOO
	f) Viewing two pane glass window should be provided at the center of the door.	To be checked by the BOO
	g) Special designed gasket should be provided for perfect leak proof between the door and wall of the chamber.	To be checked by the BOO
	h) All inlet, outlet and circulation accessories should be leak proof in respect of air pressure and oil circulation.	To be checked by the BOO
	i) Thermal insulation should be provided on external Oil circulation accessories.	To be checked by the BOO
	j) Over temperature, pressure safety for equipment.	To be checked by the BOO
	k) Oil tank/bath with Nichrome heater should be provided for heating up of the chamber.	To be checked by the BOO
	l) Heating will be provided by low mass fast response Nichrome heater and the heater will be isolated from the work space.	To be checked by the BOO



