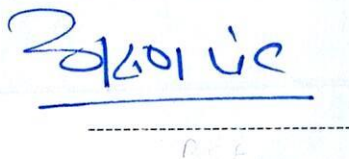


QUALITATIVE REQUIREMENT (QRs) AND TRIAL DIRECTIVES (TDs) OF PISTOL 9MM

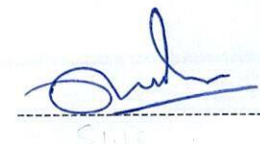
Sl.No	Parameters	Specification/QRs	Trial Directives (TDs)
1.	Introduction	Pistol is a short range semi-automatic weapon used for personal security to cover the target at short ranges.	
OPERATIONAL PARAMETERS			
2.	Caliber	9 mm X 19 mm	OEM to provide self certificate. BOO to physically check the calibre with gauge provided by the OEM.
3.	Ammunition Type	9mm x 19mm Parabellum (In service ammunition)	Tendering agency to specify in-service ammunition and make it available for trial testing on payment basis.
4.	Weight	Not more than 900gm with empty magazine and without accessories	To be physically checked by BOO.
5.	Height	Not more than 150mm with the sight mounted.	To be physically checked by the BOO.
6.	Length	Not more than 210mm without silencer.	To be physically checked by the BOO.
7.	Firing Mode	Semi Automatic	To be physically checked by the BOO by firing the weapon at the range.
8.	Effective Range	Not less than 25 meters	Five rounds will be fired from 25meters from fix mount/ manually and minimum four rounds should hit the Fig 11 target. To be physically checked by the BOO
9.	Accuracy	At 10m the Pistol should achieve group size of 10x10cms	(i) After zeroing of weapon, Seven rounds will be fired from 10meters manually and minimum Six rounds should hit within specified group size. To be physically checked by the BOO (ii) OEM to provide firer and target. In case OEM requests for a firer from user agency, it is to be provided only after obtaining NOC to the effect that "OEM will not question/ claim the skill of the firer and the result of trial firing will be acceptable to him".

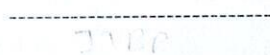

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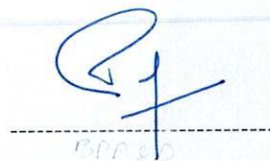

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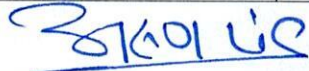

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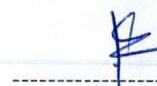
SI.No	Parameters	Specification/QRs	Trial Directives (TDs)
10.	Reliability	<p>In a firing cycle of 500 rounds the pistol should not suffer more than two Class-I, One class-II and No Class-III stoppages which are classified as follows:-</p> <p>(a) Class-I stoppage – Can be removed by the firer within 10 seconds without the use of any tools/equipment/spares by using only immediate action drills.</p> <p>(b) Class-II stoppage- Can be removed by the firer within 10 seconds to 10 minutes using tools/equipment/spares issued with the weapon.</p> <p>(c) Class-III stoppage- Takes more than 10 minutes or special tools/ equipment to rectify defects and resume firing.</p>	<p>To be physically checked by the BOO.</p> <p>(i) Firing of 500 rounds will be done in five cycles of 100 rounds each using two sample weapons of each firm.</p> <p>(ii) 100 rounds will be fired continuously within duration of 5 minutes.</p> <p>(iii) After firing 100 rounds, a gap of 5 minutes will be given for cooling of the weapon.</p> <p>(iv) No cleaning/maintenance are permitted during this test. This excludes actions done to remove stoppages.</p> <p>(v) Ammunition and firer will be provided by the respective OEM. Buyer to provide required documents for purchase of ammunition to the OEM.</p> <p>(vi) Time will be recorded by the BOO using stop watch.</p> <p>(vii) Misfire not to be considered as stoppage.</p>
11.	Adverse condition Test	<p>(a) Sand Test</p> <p>(b) Water Test</p> <p>(c) Drop Test</p>	<p>(i) Weapon loaded and coked with full magazine (15 rounds) buried and fully covered in sand for 10 minutes with muzzle cap. Remove from sand and fire. The weapon should be able to fire all rounds (single shot) without any stoppages withing duration of 2 minutes.</p> <p>(ii) Weapon loaded and coked with full magazine (15 rounds) fully submerged in water for 10 minutes. Withdraw the weapon and fire within 2 minutes without cocking the weapon. The weapon should be able to fire without any stoppages.</p> <p>(iii) Drop the weapon (bullet and powder removed) from a height of 1.5 mtrs on a hard surface. Drop should be carried out on each face (butt/barrel/left/top) each time with empty magazine and cartridge with primer in chamber. Primer to be checked if functional. Load filled magazine and be fired to check if it works.</p>



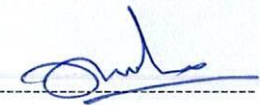










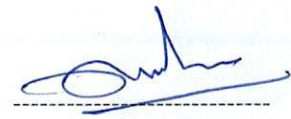




SI.No	Parameters	Specification/QRs	Trial Directives (TDs)
12.	<u>Environmental Conditions:</u> (a) Operating Temperature (b) Storage Temperature	(a) -30° C to +50° C (b) -35° C to +50° C	(i) OEM to provide certificate from any NABL accredited lab/NFSU/DRDO labs/DGQA/any Govt. lab/ International accredited lab. OEM to provide contact person details, phone number, address, e-mail address & website of the lab authenticity of certificate must be confirmed by the BOO. (ii) The certificate will remain valid for 05 years from the date of its issue. The testing of weapon for issue of fresh certificate/ renewal after expiry of the validity period of certificate may be facilitated by tendering agency during STEC, if required.
13.	Designed for right & left handed use	Should provide equal ease of usage for right and left handed firers.	To be demonstrated by OEM and physically checked by the BOO.
14.	Last Bullet Stop	The slide should lock in the open position after the last round is fired from the magazine	To be physically checked by the BOO by loading the filled magazine and firing the weapon till magazine is empty.
15.	Color	Black/Olive Green/Desert pattern to be specified by user at the time of tendering	To be demonstrated by OEM and physically checked by the BOO.
PHYSICAL PARAMETERS			
16.	Indicator	Pistol should have loaded chamber indicator	To be physically checked by the BOO.
17.	Picatinny Rail	MIL STD 1913 Picatinny Rail integrated with the weapon on the lower side to provide interface for accessories like internationally available Tactical lights and LAD	To be physically checked by the BOO.

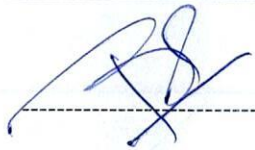



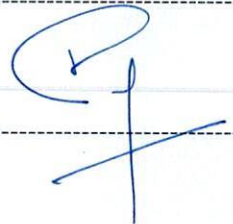


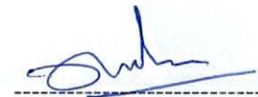
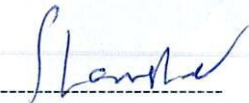






SI.No	Parameters	Specification/QRs	Trial Directives (TDs)
18.	Sound Suppressor (Optional) Caliber Sound Suppression Color	Pistol should have a provision for attaching a sound suppresser (to be specified by the user at the time of tendering). Pistol can have 10% variation in length and weight. (a) 9 mm x 19mm (b) Should be able to suppress sound by at least 20dB. (c) Black/Olive/Green/Desert pattern to be specified by user at the time of tendering	To be physically checked by the BOO
19.	Sight	Pistol should have a combat sight with luminous dot facility for night firing.	To be physically checked by the BOO.
20.	Magazine Capacity	Minimum 15 rounds	To be physically checked by the BOO.
21.	Grip	Ergonomically designed for better grip and handling	To be physically checked by the BOO.
22.	Furniture	Should be made up of high strength polymers/composite/ reinforced scratch proof plastic of high strength enabling environmental stability.	To be physically checked by the BOO.
23.	Hip Holster (optional)	Holster should have secure and effective Thumb Break to ensure quick drawing of Pistol. The pistol should go inside the holster with all accessories mounted.	To be demonstrated by OEM and physically checked by the BOO.
MISCELLANEOUS PARAMETERS			
24.	Safety	Pistol should have external applied safety and internal mechanical safety.	OEM to provide self certificate. Safety parameter to be verified by BOO.
25.	Field Stripping	Pistol should be easily stripped without any tools & all cleaning parts to be designed for field cleaning.	To be demonstrated by OEM and physically checked by the BOO.
26.	Life Cycle	15 years for weapon & barrel life minimum 20,000 rounds.	OEM to provide self certificate. Explicit warranty of barrel to be provided by the OEM for five years.
27.	Warranty	Minimum two years	OEM to provide warranty certificate




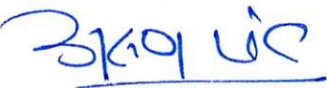








SI.No	Parameters	Specification/QRs	Trial Directives (TDs)
28.	Accessories (Requirement and quantity to be specified by user)	Manufacturer should provide accessories to include:- (a) Sound Suppressor (b) Thigh/Hip/shoulder Holster (c) Magazine- 3 with each pistol (d) Field cleaning kit (one with each pistol) (e) Standard weapon tool kit (f) Measurement gauge (go & No go) (g) Rigid water proof case for transit of weapon (h) Maintenance manual in English (j) Technical literature in English (k) Training manuals & user hand book. (l) Manufacturers Recommended List of Spares (MRLS) duly mentioning the prices. (m) Training slides brochures video films & CDs	Individual accessories to be demonstrated by OEM and physically checked by the BOO.
29.	Training	Soft copy of Training materials to be provided by OEM.	OEM to provide certificate for the same.



 Lt Col BS Rawat
 TIC (WE), HQ NSG



 Arun Sharma, DC
 SSB

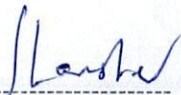

 Arun Kumar Pant, AC
 BSF


 Capt Kevin
 S2SAG, NSG


 ITBP


 Col Rajan Chisra (Retd)
 BP R+D.


 Col Digvijay Chatterjee
 GPC (Prov), Assam Rifles


 SHAMSHEER SINGH, AC
 CRPF [G, Khardaspur]