


मुख्यालय राष्ट्रीय सुरक्षा गारद  
(संभरण शाखा : ऑर्डनेंस अनुभाग)

स्नाईपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) के मसौदे को गृह मंत्रालय की वेबसाइट पर डालना

1. कृपया गृह मंत्रालय, पी0एम0 डिविजन के पत्र सं. IV-24011/12/2011-Prov.I दिनांक 05 अक्टूबर 2016, पत्र सं. IV-24011/12/2011-Prov.I दिनांक 13 जून, 2012 और पत्र सं. 11012/02/ 2009- Fin-I/Prov-I-17 दिनांक 02 जनवरी, 2018 का संदर्भ लें।
2. स्नाईपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) में संशोधन के लिए तकनीकी विशेषज्ञों के उप समूह की बैठक मुख्यालय राष्ट्रीय सुरक्षा गारद में दिनांक 01 अप्रैल 2025 को 1500 बजे आयोजित हुई।
3. बैठक के दौरान उप समूह ने कहा कि विक्रेताओं की टिप्पणियों/सुझावों को आमंत्रित करने के लिए स्नाईपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) के मसौदे को 15 दिनों के लिए राष्ट्रीय सुरक्षा गारद के साथ-साथ गृह मंत्रालय की वेबसाइट पर डाला जाए।
4. पीएम डिविजन के उपर्युक्त संदर्भित पत्रों के अनुसार स्नाईपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) का मसौदा संलग्न परिशिष्ट के अनुसार गृह मंत्रालय की वेबसाइट पर डालने हेतु प्रिंटेड कॉपी तथा सॉफ्ट कॉपी में भेजा जा रहा है।

  
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संलग्नक : उपर्युक्त

अनुभाग अधिकारी, (IT Cell), एनआईसी, नार्थ ब्लॉक, नई दिल्ली, ई0मेल: soit@nic.in

संख्या: पी/604/389/Pistol Rev/संभरण (ऑर्डनेंस)/एनएसजी/ ११५६ दिनांक : 13 मई 2025

स्नाइपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0)/ परीक्षण निर्देशों (टी0डी0) के मसौदे पर विक्रेताओं की टिप्पणियों का आमंत्रण

1. आपको सूचित किया जाता है कि स्नाइपर राईफल (बोल्ट एक्शन) (Sniper Rifle (Bolt Action)) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) के मसौदे पर फर्मों/विक्रेताओं की टिप्पणियां आमंत्रित हैं। सभी फर्मों से निवेदन है कि नीचे दिए गए प्रारूप में वे अपनी टिप्पणियां भरकर OEM certificate सहित ई-मेल पता scord@nsg.gov.in या gcproc@nsg.gov.in पर भेजें।

गुणात्मक आवश्यकता (क्यूआर)	परीक्षण निर्देश (टीडी)	फर्म द्वारा टिप्पणियां

2. आपसे अनुरोध है कि वेबसाइट पर प्रदर्शित होने की तारीख से 15 दिनों के भीतर अपनी टिप्पणियां भेजें। उप समूह कमेटी की बैठक में उपर्युक्त उपकरण/हथियार के गुणात्मक आवश्यकताओं/परीक्षण निर्देशों को अंतिम रूप देने पर विचार किया जा रहा है।








(राजेश रंजनी)

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दिनांक : 15 मई 2025

DRAFT REVISED QUALITATIVE REQUIREMENT (QRs) AND TRIAL DIRECTIVE (TDs) OF SNIPER RIFLE (BOLT ACTION)

SI.No	Parameters	Specification/QRs	Trial Directives (TDs)
<b>OPERATIONAL PARAMETERS</b>			
1.	Caliber	7.62 X 51mm NATO	To be physically checked by BOO with calibrated gauge provided by OEM. Calibration certificate to be checked by BOO.
2.	Weight of the Sniper Rifle	Should not exceed 8 kgs without Magazine & Telescopic Sight	To be physically checked by BOO.
3.	Firing Mode	Single Shot Bolt Action	To be physically checked by the BOO.
4.	Effective Range	800mtrs or better	Weapon should be able to penetrate 08mm plywood sheet at a range of 800mtrs and 4.2mm mild steel plate (hardness 120-150BHN) at a range of 550 mtrs.  The plywood & metal plate mentioned above will be provided by the tendering agency on payment basis.
5.	Accuracy	Should be able to consistently maintain an accuracy of 1 Minute of Angle (MOA) or less for a 5 shot group at 100 meters.	(i) When 5 rounds of ammunition provided are fired by firer or from fixed mount at 100 meters, all hits should be in a group size of 3 cm x 3 cm.  (ii) Accuracy test will be conducted with in-service ammunition provided by Tendering agency on payment basis. Firer and target to be provided by the OEM.  (iii) All weapons will be zeroed from 100m prior to commencement of trials.  (iv) Maximum three attempts will be provided to each firm.  (v) The use of spotter will be permitted along with the shooter. The OEM will also provide details of telescope used by the spotter.











  
  
  
  
  


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Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
6.	Reliability	<p>(a) In firing of 100 rounds, it should not suffer from more than two 'Class-I' or 'Class-II' and NO 'Class-III' stoppages. The test is to be carried out as per TOP 3-2-045.</p> <p>(b) Stoppages are classified as under: -</p> <p>(i) <b>Class I Stoppage</b> – Can be removed by the firer within 10 seconds without use of any tools, equipment or spares by immediate action procedures.</p> <p>(ii) <b>Class II Stoppage</b> – Can be removed by firer in 10 seconds to 10 minutes with tools, equipment or spares issued with the weapon.</p> <p>(iii) <b>Class III Stoppage</b> - Takes more time than 10 minutes or special tools/spares to rectify defects and to resume firing by the firer.</p>	<p>(i) The test is to be carried out as per TOP 3-2-045.</p> <p>(ii) To be physically checked by the BOO.</p>
7.	Operating & Storage temperature	<p>Sniper rifle should be capable of trouble free operation under following conditions:</p> <p>(a) Operating Temperature: -30° C to +55° C</p> <p>(b) Storage Temperature: -35° C to +55° C</p> <p>(c) Humidity : 95% RH</p>	<p>(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 &amp; website of the lab authenticity of certificate must be confirmed by the BOO.</p> <p>(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.</p>

Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
8.	Environmental Tests	Sniper Rifle should be robust as per relevant portions of JSG0131-2021.  (a) Water Immersion Test. (b) Mud Test. (c) Sand & Dust Test. (d) Rain Test. (e) Drop Test. (f) Humidity Test. (g) Salt Water Test.	(i) OEM to provide certificate from any International/ NABL accredited lab/NFSU/ DRDO labs/DGQA/ Govt. lab. OEM to provide contact person details, phone number, address, e-mail address & website of the lab. Authenticity of certificate to be confirmed by the BOO.  (ii) The certificate will remain valid for 05 years from the date of its issue. The testing of weapon (national level) for issue of fresh certificate/ renewal after expiry of the validity period of certificate may be facilitated by tendering agency during STEC, if required.
9.	Designed for right & left handed use	Sniper should be capable of ambidextrous usage.	To be demonstrated by OEM and physically checked by the BOO.
10.	Color	Choice of Black, Olive Green or Desert pattern, to be specified by user at the time of tendering	To be physically checked by the BOO at the time of Pre Dispatch Inspection (PDI).
<b>PHYSICAL PARAMETERS</b>			
11.	Muzzle Break (Optional- to be specified by user)	Sniper rifle should be equipped with integrated or detachable muzzle break. Accuracy of the sniper will be evaluated separately with muzzle break if it has detachable muzzle break.	To be physically checked by BOO.
12.	Sound Suppressor (Optional- To be specified by user)  (a) Caliber	Sniper rifle should be equipped with integrated or detachable sound suppressor which conforms to the caliber of the weapon system	To be physically checked by BOO.





















Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
	(b) Capability	Suppressor should be able to suppress sound by at least 30dB.	OEM to provide certificate from a national/ 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.
	(c) Accuracy Test	Accuracy of the sniper rifle will be carried out with & without suppressor. Point of impact shift when firing with the suppressor should not be more than 3cm at 100m.	(i) Accuracy test method will be same as mentioned in Para 5 above.  (ii) The BOO will first check the accuracy of the sniper rifle without the sound suppressor.  (iii) Then test will be conducted with the sound suppressor to ascertain the point of impact shift. Point of impact shift when firing with the suppressor should not be more than 3cm at 100m.
	(d) Number of Suppressors	Number of suppressors to be supplied will be specified by the user at the time of tendering	To be physically checked by BOO.
	(e) Weight	Weight of suppressor should not be more than 700gms.	To be physically checked by BOO.
	(f) Color	Choice of Black, Desert pattern or Olive Green to be specified by user at the time of tendering.	To be physically checked by the BOO at the time of Pre Dispatch Inspection (PDI).
13.	Picatinny Rail	MIL STD 1913 Picatinny Rail integrated with the weapon on 9, 12, 3 & 6 'O' clock position for fitting either in-line sights (day/night) & to provide interfaces for accessories. Picatinny rail at 12 'O' clock position should have the provision for mounting clip-on sight in addition to the basic sight of the weapon.	To be physically checked by BOO.

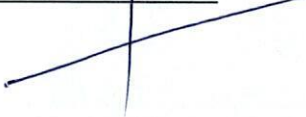
Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
14.	<b>Barrel:</b> (a) Barrel Type	Rifle should have free floated barrel suitably fluted for heat dissipation. Muzzle should have adequate arrangement for easy & quick attachment of sound suppressor, and muzzle brake if required.	To be physically checked by BOO.
	(b) Barrel Rifling	Barrel should be rifled	OEM to provide certificate regarding number of grooves and twist.
	(c) Barrel life	Sniper rifle barrel life should be of minimum 10,000 rounds	(i) OEM to provide certificate from any NABL/ international/ DGQA/ NFSU/ Govt lab.  (ii) OEM to provide contact person details, phone No, address, e-mail address and web site of the lab.  (iii) Authenticity of the certificate must be confirmed by the BOO.
15.	<b>Magazine (detachable)</b>		
	(a) Capacity	Capacity of 5 rounds or more	To be physically checked by BOO.
	(b) Material	Magazine should be made up of steel with non corrosive surface treatment/ Fiber Reinforced Plastic.	OEM to provide certificate.
	(c) Weight	Weight of empty magazine should not be more than 70gms	To be physically checked by BOO.
16.	<b>Trigger</b>		
	Stage	Should have 2 stage pull.	OEM to provide certificate.









Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
17.	Butt	Butt of the rifle should be foldable or detachable with height adjustable cheek pad.	To be physically checked by the BOO.
18.	Bipod	Bipod should be quick detachable, adjustable in terms of height. Legs of the bipod should be foldable (front or rearwards) & should be cocked when folded.	To be physically checked by the BOO.
19.	Monopod (Optional- User to specify)	Monopod should be present either as butt spike or integrated with pistol grip to enable the firer to rest the rifle and continue to aim/observe the target. The same should be adjustable for height.	To be physically checked by the BOO.
20.	Bolt Configuration	Bolt should have minimum of two forward located locking lugs.	To be physically checked by the BOO.
21.	Sling	Sniper rifle should have adjustable and robust carrying sling with attachment facilitating quick detachment. Attachment should support sling supported carrying/ shooting technique.	To be demonstrated by OEM and physically checked by the BOO.
22.	Day/ night sight	As per MHA approved QRs.	To be physically checked by BOO.
<b>MISCELLANEOUS PARAMETERS</b>			
23.	Safety	Both mechanical & applied safety	To be demonstrated by OEM and physically checked by the BOO.
24.	Field Stripping	Rifle should be easy to strip without any tools or with minimum tools & all cleaning parts to be designed for field cleaning.	To be demonstrated by OEM and physically checked by the BOO.
















Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
25.	Accessories	Manufacturer of the sniper rifle should provide accessories to include:- (a) Two spare magazine. Sound Suppressor cleaning kit (one with each suppressor – Optional) (user to specify) (b) Field cleaning kit (one with each rifle) (c) Measurement gauge (go & No go) (to be specified by the user) (d) Firing pin protrusion gauge (to be specified by the user) (e) Rigid water proof case for transit of weapon (one with each rifle. (f) Drag bag (one with each rifle) (g) Training manuals & user hand book (one with each rifle). (h) Manufacturers recommended list of spares duly priced (to be specified by the user) (j) Training slides brochures video films & CDs (to be specified by the user)	Individual accessories to be demonstrated by OEM and physically checked by the BOO.


  
 INSB/E ARHITESH K. ANANDHI  
 CISF


  
 AC/ARMY Bhombal  
 ITBP

  
 W/O/ARMR  
 (NARENDRA PAL)  
 BSF


  
 ANIL AC-1  
 SWS, NSG

  
 (Jagdish Prasad Gaur)  
 Sub A/R

  
 (JUGRAJ SINGH)  
 ADDA (A)  
 HQ, DGOA

  
 COL ATUL CHOPRA (BETO)  
 BPR&D

  
 Dhirendra Verma  
 Comdt (ord)  
 CRPF



  
 21/C RS Rawat  
 WE Ast. HQ NSG.