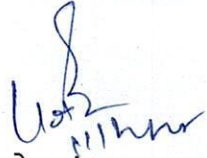


मुख्यालय राष्ट्रीय सुरक्षा गारद  
गृह मंत्रालय (भारत सरकार)  
सम्भरण शाखा (आयुद्ध अनुभाग)  
मेहरम नगर, पालम, नई दिल्ली-37

**स्नाइपर राईफल (बोल्ट एक्शन/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) 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. स्नाइपर राईफल (बोल्ट एक्शन/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) 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 27 नवम्बर 2025 को 1500 बजे आयोजित हुई।
3. बैठक के दौरान उप समूह ने कहा कि विक्रेताओं की टिप्पणियों/सुझावों को आमंत्रित करने के लिए स्नाइपर राईफल (बोल्ट एक्शन/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) 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 डिवीजन के उपर्युक्त संदर्भित पत्रों के अनुसार स्नाइपर राईफल (बोल्ट एक्शन/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) 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।

  
(राजेश रंजन)  
ग्रुप कमांडर (क्रय)  
फोन- 011-25663100  
ईमेल- gcproc@nsg.gov.in

संलग्नक : उपर्युक्त

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

संख्या: पी/604/389/Sniper Rifle/E-151507/संभरण (ऑर्डनेंस)/एनएसजी/ 1223

दिनांक : 11 दिसम्बर 2025



स्नाइपर राईफल (बोल्ट एक्शन/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) 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/सेमी ऑटोमेटिक) (Sniper Rifle (Bolt Action/Semi Automatic) के परिशोधित गुणात्मक आवश्यकता (क्यू0आर0) और परीक्षण निर्देशों (टी0डी0) के मसौदे पर फर्मों/विक्रेताओं की टिप्पणियां आमंत्रित है। 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 रंजन)

ग्रुप कमांडर (क्रय)

फोन- 011-25663100

ईमेल- gcproc@nsg.gov.in

दिनांक : 11 दिसम्बर 2025

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

Sl.No	Parameters	Specification/QRs	Trial Directives (TDs)
<b>OPERATIONAL PARAMETERS</b>			
1.	Caliber	7.62 X 51mm	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	Weight of the Sniper Rifle with empty magazine only should not exceed 7 kgs (weight of other accessories not to be included)	To be physically checked by BOO.
3.	Length of weapon	Length of weapon with extended Butt including muzzle break OR flash suppressor should not exceed 1250mm.	To be physically checked by BOO.
4.	Firing Mode	Single Shot Bolt Action	To be physically checked by the BOO.
5.	Effective Range	800mtrs or better	(a) 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. (b) Four rounds out of five should hit the 2'x2' target at 800 and 550 mtrs respectively. (c) The plywood & metal plate mentioned above will be provided by the tendering agency on payment basis.
6.	Accuracy	Should be able to achieve group size of 3cm x 3cm for 5 shots 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 and Fig 11 target provided by Tendering agency on payment basis. (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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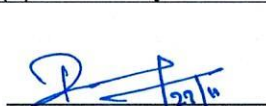








Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
7.	Reliability	<p>(a) In firing of 100 rounds, it should not suffer from more than two 'Class-I' and NO 'Class-II' and 'Class-III' stoppages. The test is to be carried out as per TOP 3-2-045.</p> <p>(b) Stoppages are classified as under: -</p> <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>
8.	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.</p>





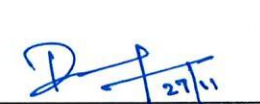


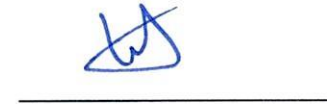
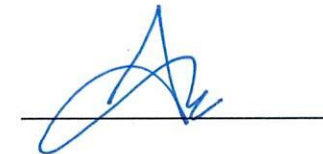


Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
9.	Environmental Tests	Sniper Rifle should be robust as per relevant portions of JSG0131-2021.  (a) Water Immersion Test. (b) Mud Test. (c) Sand & Dust Test. (d) Rain Test. (e) Drop Test. (f) Humidity Test. (g) Salt Water Test.	(i) OEM to provide 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.
10.	Designed for right & left handed use	Sniper should be capable of ambidextrous usage.	To be demonstrated by OEM and physically checked by the BOO.
11.	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>			
12.	Muzzle Break/ Flash suppressor (Optional- to be specified by user)	Sniper rifle should be equipped with integrated or detachable muzzle break/Flash suppressor. Accuracy of the sniper rifle will be evaluated separately with muzzle break/Flash suppressor if it is detachable.	To be physically checked by BOO.
13.	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 5 cm 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 5 cm 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 900 gms.	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).
14.	Picatinny Rail	MIL STD 1913 Picatinny Rail integrated with the weapon on 12 & 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.

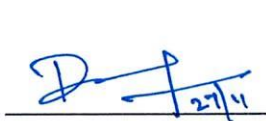
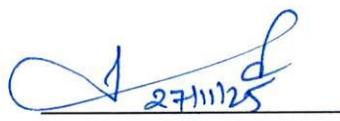



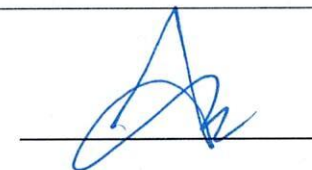








Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
15.	Service life of weapon	Sniper Rifle should have minimum service life of 15 years or 10000 rounds whichever is earlier.	OEM to provide self certificate for service life. OEM to provide undertaking for provision of spare support for the entire service life of the weapon.
16.	<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 should have a barrel life 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.
17.	<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.
18.	<b>Trigger</b>		
	Stage	Should have 2 stage pull.	To be physically checked by the BOO. In addition OEM to provide certificate.



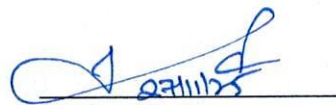


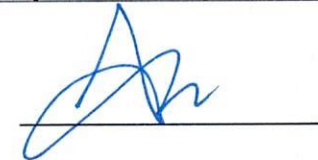





Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
19.	Butt	Butt of the rifle should be foldable or detachable with height adjustable cheek pad.	To be physically checked by the BOO.
20.	Bipod	Bipod should be quick detachable, foldable (front or rearwards) and adjustable in terms of height. weapon should be able to be cocked when bipod legs are folded.	To be physically checked by the BOO.
21.	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.
22.	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.
23.	<b>Optical Sight</b>		
	(a) The sniper rifle should be provided with an integrated optical sight		To be physically checked by the BOO
	(i) Weight - Not more than 2kg.		To be physically checked by the BOO
	(ii) Operating Temperature between -20° to +55° C		OEM to provide certificate from a national/international/NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(iii) Range finder with minimum 1000m range		OEM to provide certificate from a national/ international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(iv) Bright source protection		To be physically checked by the BOO
	(v) Power source-3 Volt Lithium ion battery		To be physically checked by the BOO














Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
		(vii) Low voltage Battery indicator in FoV	To be physically checked by the BOO
		(viii) Battery life- Min 30 Hour	To be physically checked by the BOO
		(ix) Water Resistant	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(x) Colour- Olive Green/Black	To be physically checked by the BOO
		(xi) Rugged construction to withstand use in field conditions	To be physically checked by the BOO
		(xii) Rugged FRP carrying case	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(xiii) Defecating chamber/assembly for prevention of moisture.	To be physically checked by the BOO
		(xiv) Reticule- Cross or dot	To be physically checked by the BOO
	(b) <b>Day Sight should have/be:-</b>		
		(i) Eye relief- 60mm min	To be demonstrated by OEM & physically checked by the BOO
		(ii) Diopter adjustment- $\pm 5$ dpt	To be physically checked by the BOO
		(iii) Field of view- $1.5^\circ$ to $3^\circ$	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(iv) Magnification- 8 x or more	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(v) Range focus- 25m to infinity	To be demonstrated by OEM & physically checked by the BOO
		(vi) Repurgeable and nitrogen filled	To be demonstrated by OEM & physically checked by the BOO
		(vii) Weight- Should not exceed 500gms.	To be physically checked by the BOO.
<b>MISCELLANEOUS PARAMETERS</b>			
24.	Safety	Both mechanical & applied safety	To be demonstrated by OEM and physically checked by the BOO.
25.	Field Stripping	Rifle should be easy for field stripping. List of basic tools required for field stripping should be provided by the OEM with bilingual user manual (English and Hindi).	To be demonstrated by OEM and physically checked by the BOO.

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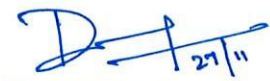
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Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
26.	Accessories	<p>Manufacturer of the sniper rifle should provide accessories to include:-</p> <p>(a) Two spare magazines per weapon.</p> <p>(b) Sound Suppressor cleaning kit (one with each suppressor – Optional) (user to specify)</p> <p>(c) Field cleaning kit (one with each rifle)</p> <p>(d) CHS, Barrel bore, Barrel straightness and Firing pin protrusion gauge (GO &amp; NO GO) to be provided. (Quantity to be specified by the user)</p> <p>(e) Rigid water resistant case for transit of weapon (one with each rifle).</p> <p>(f) Drag bag (one with each rifle)</p> <p>(g) Training manuals, Identification List with Cat Part/NSN number &amp; user hand book in Hindi and English (one with each rifle).</p> <p>(h) Manufacturers recommended list of spares duly priced</p> <p>(i) Training slides, brochures, video films &amp; CDs (to be specified by the user)</p>	Individual accessories to be demonstrated by OEM and physically checked by the BOO.

  
 Ae/AR MR  
 B Homf n LT BP  
 (JUGRAJ SINGH)  
 AD & AS  
 DGA

  
 (RAGUL MR)  
 D/ORD, CISE  
 NO/Sub (AR MR)  
 Shyamal K & Deb  
 HQ-DGAR

  
 27/11/25  
 JITENDER, AC  
 CRPF  
 Lt Col Sumit Mahata  
 WE Br, HONSG

  
 SWS, may Clinton  
 Binay Kumar, AD  
 BPRD

  
 (Paramjeet DC)  
 BSR

AD & AS, DGA

(P. Chhabra, IPS)  
 IIG, NSG



**QUALITATIVE REQUIREMENT (QRs) AND TRIAL DIRECTIVE (TDs) OF  
SNIPER RIFLE (SEMI AUTOMATIC)**

Sl.No	Parameters	Specification/QRs	Trial Directives (TDs)
<b>OPERATIONAL PARAMETERS</b>			
1.	Caliber	7.62 X 51mm	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	Weight of the Sniper Rifle with empty magazine only should not exceed 7 kgs (weight of other accessories not to be included)	To be physically checked by BOO.
3.	Firing Mode	Semi Automatic	To be physically checked by the BOO.
4.	Effective Range	800mtrs or better	(a) 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. (b) Four rounds out of five should hit the 2'x2' target at 800 and 550 mtrs respectively. (c) The plywood & metal plate mentioned above will be provided by the tendering agency on payment basis.
5.	Accuracy	Should be able to achieve group size of 3cm x 3cm for 5 shots 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 and Fig 11 target provided by Tendering agency on payment basis. (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.

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' and NO 'Class-II' and '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.</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.
9.	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>			
10.	Sound Suppressor (Optional- To be specified by user)	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.
	(a) Caliber		
	(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 5 cm 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 5 cm at 100m.

Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
	(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 900 gms.	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).
11	Picatinny Rail	MIL STD 1913 Picatinny Rail integrated with the weapon on 12 & 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.
12.	Service life of weapon	Sniper Rifle should have minimum service life of 15 years or 10000 rounds whichever is earlier.	OEM to provide self certificate for service life. OEM to provide undertaking for provision of spare support for the entire service life of the weapon.
13.	<b>Barrel:</b>	Rifle should have free floated barrel suitably fluted for heat dissipation. Muzzle should have adequate arrangement for easy & quick attachment of sound suppressor.	To be physically checked by BOO.
	(a) Barrel Type		
	(b) Barrel Rifling	Barrel should be rifled	OEM to provide certificate regarding number of grooves and twist.
	(c) Barrel life	Sniper rifle should have a barrel life 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.



Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
14.	Magazine ( <b>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.
15.	<b>Trigger</b>		
	Stage	Should have 2 stage pull.	To be physically checked by the BOO. In addition OEM to provide certificate.
	Trigger Guard	Should permit weapon firing using gloves	To be physically checked by the BOO.
16.	Butt	Butt of the rifle should be foldable or detachable with height adjustable cheek pad.	To be physically checked by the BOO.
17.	Bipod	Bipod should be quick detachable, foldable (front or rearwards) and adjustable in terms of height. weapon should be able to be cocked when bipod legs are folded.	To be physically checked by the BOO.
18.	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.
19.	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.

Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
20.	<b>Optical Sight</b>		
	(a) The sniper rifle should be provided with an integrated optical sight with:-		To be physically checked by the BOO
	(i) Weight - Not more than 2kg.		To be physically checked by the BOO
	(ii) Operating Temperature between -20° to +55° C		OEM to provide certificate from a national/international/NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(iii) Range finder with minimum 1000m range		OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(iv) Bright source protection		To be physically checked by the BOO
	(v) Power source-3 Volt Lithium ion battery		To be physically checked by the BOO
	(vi) Low voltage Battery indicator in FoV		To be physically checked by the BOO
	(vii) Battery life- Min 30 Hour		To be physically checked by the BOO
	(viii) Water Resistant		OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(ix) Colour- Olive Green/Black		To be physically checked by the BOO
	(x) Rugged construction to withstand use in field conditions		To be physically checked by the BOO
	(xi) Rugged FRP carrying case		OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
	(xii) Defecating chamber/assembly for prevention of moisture.		To be physically checked by the BOO
	(xiii) Reticule- Cross or dot		To be physically checked by the BOO



Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
	(b) <u>Day Sight should have/be:-</u>		
		(i) Eye relief- 60mm min	To be demonstrated by OEM & physically checked by the BOO
		(ii) Diopter adjustment- $\pm 5$ dpt	To be physically checked by the BOO
		(iii) Field of view- $1.5^{\circ}$ to $3^{\circ}$	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(iv) Magnification- 8 x or more	OEM to provide certificate from a national/international/ NABL/Govt./ DGQA lab. To be physically checked by the BOO
		(v) Range focus- 25m to infinity	To be demonstrated by OEM & physically checked by the BOO
		(vi) Repurgeable and nitrogen filled	To be demonstrated by OEM & physically checked by the BOO
<b>MISCELLANEOUS PARAMETERS</b>			
24.	Safety	Both mechanical & applied safety	To be demonstrated by OEM and physically checked by the BOO.
25.	Field Stripping	Rifle should be easy for field stripping. List of basic tools required for field stripping should be provided by the OEM with bilingual user manual (English and Hindi).	To be demonstrated by OEM and physically checked by the BOO.

Sl. No	Parameters	Specification/QRs	Trial Directives (TDs)
26.	Accessories	<p>Manufacturer of the sniper rifle should provide accessories to include:-</p> <p>(a) Two spare magazines per weapon.</p> <p>(b) Sound Suppressor cleaning kit (one with each suppressor – Optional) (user to specify)</p> <p>(c) Field cleaning kit (one with each rifle)</p> <p>(d) CHS, Barrel bore, Barrel straightness and Firing pin protrusion gauge (GO &amp; NO GO) to be provided. (Quantity to be specified by the user)</p> <p>(e) Rigid water resistant case for transit of weapon (one with each rifle.</p> <p>(f) Drag bag (one with each rifle)</p> <p>(g) Training manuals, Identification List with Cat Part/NSN number &amp; user hand book in Hindi and English (one with each rifle).</p> <p>(h) Manufacturers recommended list of spares duly priced</p> <p>(j) Training slides, brochures, video films &amp; CDs (to be specified by the user)</p>	Individual accessories to be demonstrated by OEM and physically checked by the BOO.
27.	Spare Support	List of spares for four years for field level and base level repairs and spares backup must be assured for atleast 15 years.	OEM to provide undertaking