

DRAFT REVISED QR/ TDS OF CONCEALABLE 9 X 19MM CARBINE

Ser No	Specification	Trial Directives
1.	Introduction: The concept of concealable 9x 19 MM Carbine SMG weapon is that it should be light weight, robust, easy to use, modular and above all at some extent it can be concealed.	To be physically checked by BOO.
2.	Caliber: Weapon should be capable of firing 9x19 mm Amn including indigenous OFB manufactured ammunition without any alterations or replacement of working parts of the carbine.	To be physically checked by BOO with gauge provided by the OEM. OEM also provides a certificate from a national/ International accredited lab certifying the same.
3.	Weight of Carbine: Weight without magazine should not be more than 3.25 Kg.	To be physically checked by BOO.
4.	Firing Mode. (a) Single and Automatic. (b) Suitable change lever to select firing mode. (c) Change lever should positively locked to ensure that weapon fires in desired mode only when it is in designated position.	To be physically checked by BOO.
5.	Effective Range: Not less than 50 Meter.	To be physically checked by BOO.
6.	Muzzle Velocity: not less than 375 m/s	OEM to provide a certificate from a national/ International accredited lab. OEM to provide contact person details, phone no, address, e-mail address and web site of the lab. Authenticity of the certificate must be confirmed by the BOO.
7.	Rate of Fire: Not less than 600 Rounds per minute cyclic rate of fire.	(i) OEM to provide a certificate from a National/ International accredited lab like NABL accredited lab / NFSU / DRDO labs / DGQA / Govt. Lab. JSG 0131:2021/ TOP procedure to be adopted for this test by the labs. (ii) OEM to provide contact person details, phone number, address, e-mail address & web site of the lab. (iii) Authenticity of certificate to be confirmed by the BOO. (iv) The certificate will remain valid for 05 years from the date of its issue. Letter for testing of weapon (national level) for issue of fresh certificate / renewal after expiry of the validity period of certificate may be issued by the tendering agency on request of the firm, if required.

Manish Kumar Rathore
DC, CRPF

Raghu MR, DC
CISF

Nb Smt Ishwari Singh
Assam Rifles

Joseph Baba Ram
SSB

Maj Suraj Bishet
SI SAC, INSG

Lt Col Sunil Kumar
Mahata, SC (NG), H4 NSG

(Through VC)
Arpit Kumar, DC
BSF

(Through VC)
Fazdo Siddiqui
ITBP

Ser No	Specification	Trial Directives		
8.	Accuracy: (a) At 25 meter range, the group size should be within 15cm x 15cm and six hits to be considered out of seven hits when the weapon is fired from a fixed mount. (b) When a short of two to three rounds is fired from the weapon fitted on fixed mount in automatic mode, at least 50% of rounds should hit within a 30cm x 30cm area at a range of 25 meters.	Rg 25M 25M No of Rds 70 Rds 60 Rds Mount FIXED FIXED Type of Fire SINGLE AUTO Group Size 15 X 15 CM 30 X 30 Cm 6 rd Hit 50%		
9.	Reliability: The weapon must achieve reliability factor of not less than 99.5% i.e. not more than one stoppage/ defect in 200 rounds fired in four cycles of 800 rounds (Only class 1 stoppage permissible class2/3 stoppage not permissible).	(i) A test cycle of 200 rounds will be fired in shorts bursts of 2 to 3 rounds. (ii) Weapon will be allowed to cool down for 10 minutes. Tests will be carried out during field functional trial and the firing will be carried out by the firers of the OEM. Weapon will be fixed on a mount and fixed accuracy test will be conducted the OEM ammunition. (iii) 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." (iv) tendering agency to specify in service ammunition & make it available for trial testing on payment basis. (v) Misfire will not be considered as stoppage.		
10.	Adverse Condition Test. (a) Sand Test (b) Water Test (c) Mud Test (d) Drop Test	(i) OEM to provide certificate from any international / NABL accredited lab / NFSU / DRDO labs / DGQA / Govt. Lab. JSQ 0131:2021/ TOP procedure to be adopted for these tests by the labs. (ii) OEM to provide contact person details, phone number, address, e-mail address & web site of the lab. (iii) Authenticity of certificate to be confirmed by the BOO. (iv) The certificate will remain valid for 05 years from the date of its issue. Letter for testing of weapon (national level) for issue of fresh certificate / renewal after expiry of the validity period of certificate may be issued by the tendering agency on request of the firm, if required. (v) For OEMs fulfilling TOP procedure should be Make in India (MII) compliant.		


Major Sh. Kanwar Thakur
DC (RPF)

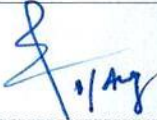

Lt Col Suroit Kumar Mahata
SC (WE), HQ NSG


Rajul MR, DC
CISF


Anil Kumar, DC
BSF


NS Sub Ishwar Singh
Assam Rifles
(Through VC)
Fazal Siddiqui, DC
ITBP


Insp Babu Ram, SSB

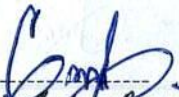

Maj Suresh Bishet
S/ SAG, NSG

Ser No	Specification	Trial Directives
11.	Environmental Conditions Tests: (a) Operating Temperature: -35 Deg C to +55 Deg C. (b) Storage Temperature: -35 Deg C to +55 Deg C. (c) Humidity: 65% RH at 25 Deg C.	OEM to provide a certificate from a national/ International accredited lab. OEM to provide contact person details, phone no, address, e-mail address and web site of the lab. Authenticity of the certificate must be confirmed by the BOO.
12.	The weapon should be capable of ambidextrous use.	(a) Following components of the Concealable 9X19mm Carbine SMG should be ambidextrous in design: (i) Change lever/ Safety catch. (ii) Magazine Catch. (iii) Cocking Handle. (b) Ejection port/ ejection of spent case should not foul with face or hand of the firer when firing from both right and left shoulder. (c) To be demonstrated by OEM and physically checked by BoOs.
13.	Color: Black or to be specified by user at the time of tendering.	To be physically checked by BOO.
14.	Length: Overall length-Not more than 550 mm with stock extended and not more than 350mm with stock closed.	To be physically checked by BOO.
15.	Picatinny Rail: Mil standard 1913 picatinny Rail integrated with the weapon on at least three sides (to be specified by the user) to provide interfaces for accessories like internationally available Optical sights and Tactical lights/ LAD.	To be physically checked by BOO.
16.	Life: Barrel life of weapon should be of minimum 15000 rounds, or weapon life 15 years which ever is earlier.	OEM to provide a certificate from a national/ International accredited lab. OEM to provide contact person details, phone no, address, e-mail address and web site of the lab. Authenticity of the certificate must be confirmed by the BOO.


Manish Kumar Thakur
DC, CRPF


Rajul
CISF


Nib Sub
Assam Rifles


Dr. Babu
SSB


Maj Suresh
SI SSB, NSG


Lt Col Sumit Kumar Mahata,
CC (WP), Hq NSG

(Through VC)
Sumit Kumar, CC
BSF

(Through VC)
Fazal Siddiqui
ITBP

Ser No	Specification	Trial Directives
17.	Optical Sight Reflex Sight: Procurement of optical sights with the weapon is not mandatory. To be decided by the users at the time of tendering. It should be convenient for the firer to use the sight to acquire and effectively engage stationery and moving target. The firer should have option of using it with both eyes open or master eye only. (a) Nature - It should be passive in nature. (b) Range - Upto 150 meter. (c) Zeroing - Arrangement for zeroing in the horizontal and vertical plane. (d) Reticle - Provision for adjustment of brightness level of reticle. (e) Weight Not more than 350 Gms. (f) Color Black with no shining parts. Optical surfaces should be antiglare and scratch resistant. (g) Mounting - It should be easy to mount and remove the sight from the weapon without the use of special tools. (h) Power source - Power source-it should be powered by commercially available batteries and minimum endurance should be 10 hours. It should have auto shut down facility. (i) Low battery, indicator - Sight should be provided with low battery indicator which must provide minimum 30 minutes to allow change of battery To be physically checked by BOO. (k) Compliance - The sight should be compliant to JSS-55555. (l) Operating temperature - -35 deg C to +55 deg C. (m) Storage temperature --35 deg C to +55 deg C. (n) Relative humidity - 65% at 25 deg C.	To be Physically checked by BOO. Night Firing 120 rounds (For accuracy, hit probability, single shot and burst mode). To be physically checked by BOO. OEM to provide certificate.

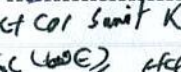

Manish Kumar Thakur
DC, CRDP


Raghu R.R., DC
BSF


N.D. Sub Isbda Singh
Assam Rifles


Jyoti Bhatnagar SSB


Raj Singh
Sis 24, NSG


Lt Col Sanjit Kumar, Mahabir
SC (WCE), AFM NSG


(16 Apr VC)
Amit Kumar, DC
BSF


(Thrupa VC)
Farid Siddiqui DC
173p

Ser No	Specification	Trial Directives
18.	Laser Aiming Aid: It should aid in aiming at the target in twilight and night conditions. (a) Type - visible eye safe laser. (b) Range - not less than 100 Mtr during night. (c) Activation - thumb grip. (d) Zeroing - arrangement for zeroing in the horizontal and vertical plane. (e) Laser Spot - It should be clearly visible upto a minimum of 100 Mtr distance. (f) Weight - not more than 250 Gms with batteries. (g) Color - black with no signing parts. (h) Mounting - it should be easy to mount and remove the equipment from the weapon without the use of special tools. (i) Power Sources - it should be powered by commercially available batteries and minimum endurance should be 700 shots of 5 second duration each.	OEM to provide certificate. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. To be physically checked by BOO. Day and night firing - 90 rounds.
19.	Magazine: (a) Capacity - Not less than 30 rounds. (b) Material -It should be robust enough to withstand rough uses under various environmental conditions. Should not get deformed when subjected to heat during prolonged firing or in hot weather conditions. It should be either metallic or high strength polymer.	To be physically checked by BOO. OEM to provide certificate.
20.	Furniture: Should be made up of high standard polymers/ composite/ reinforced scratch proof plastic of high strength enabling environmental stability.	To be physically checked by BOO. OEM to provide certificate.
21.	Fore Hand Grip: It should be present in the carbine.	To be physically checked by BOO.
22.	Sighting: Can have open sights or aperture sights.	To be physically checked by BOO.
23.	Sling: It should have adjustable and robust carrying sling with quick detachment feature.	To be physically checked by BOO.

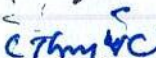

Major Sh. Khodde Thalluin
DC, CRPF


Lt Col Sumit Kumar Mahata
SC (WE), HANSQ


Rajat MR, DC
CISF


(Thryl ve)
Anil Kumar, DC
BSF


NB Sub (Shri) Singh
Assam Rifles


C Thryl
M Sqn Sidaqai
17 BP


Subin Ram
SSG


Maj Saraj Bishr
SI SSG, ISSG

Ser No	Specification	Trial Directives
Miscellanies Parameter		
24.	Safety: Both mechanical and applied safety.	To be demonstrated by OEM and physically checked by BOO.
25.	Field Striping: Weapon should be easily stripped without any tool or with minimum tools, and all cleaning parts to be designed for field cleaning.	To be demonstrated by OEM and physically checked by BOO.
26.	Accessories: Manufacturer of the weapon should provide accessories to include:- (a) Laser aiming Device. (b) Magazine. (c) Field cleaning kit. (d) Standard weapon tool kit. (e) Measurement gauge (Go and No go). (f) Filler Gauge. (g) Firing pin protrusion Gauge. (h) Maintenance manual in English. (i) Technical literature in English. (k) Training manual and user hand book/ training brochure/ video films. (l) Manufactures recommended list of spares duly priced. (m) Recommended list of spares for four years for Repairs at all levels and spares backup, backup must be assured at least for fifteen years. (n) List of STES/ SMTS/ Test Jigs for repair and testing of main equipment at field level. (o) Illustrated spare parts list. Note: The quantity of each accessories to be specified by the user at the time of tendering	Individual accessories to be demonstrated by OEM and physically checked by BOO.
27.	Training: In situ training for one week on operation, maintenance, fault finding and user level repairs at buyer's premises at their cost.	OEM to conduct the training.


 Manish Kumar
 Thakur, DC, CRPF

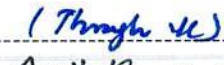

 Raghu MR, DC
 CRPF


 AB Sub Iswar Singh
 Assam Rifles


 10sp Babu Ram
 SSB


 Maj Sunaj Bish
 ST SAG, NSG


 Col Sunil Kumar Nishu
 SC (W&), Hq NSG


 Jyoti Kumar, DC
 BSF


 Fagun Sadiq
 176p