

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
ब्लाक संख्या . 10, सीजीओ काम्पलैक्स, लोधी रोड, नई दिल्ली-03
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

संख्या. पी-63013/172/01/2023/मोड-1/सीसुबल/


दिनांक २५ अप्रैल 2023

विषय : “Wheeled/Tracked All Terrain Vehicles (ATV) : Four Pers” के सूत्रीकरण गुणात्मक आवश्यकता/परीक्षण निर्देशों पर हितधारकों/निर्माताओं/विक्रेताओं की टिप्पणी के लिए अनुरोध।

1. “Wheeled/Tracked All Terrain Vehicles (ATV) : Four Pers”के पुनः सूत्रीकरण गुणात्मक आवश्यकता और परीक्षण निर्देशों को परिशिष्ट 'ए' के रूप में संलग्न किया गया है। हितधारकों/निर्माताओं/विक्रेताओं से अनुरोध किया जाता है कि वे उस उत्पाद की विस्तृत एवं स्टीक जानकारी दें। साथ ही प्रत्येक पैरामीटर के अनुरूप अपने उत्पाद के सही विवरणों को प्रस्तुत करें। सिर्फ 'अनुपालना' या 'अनुपालना नहीं' वाली टिप्पणी स्वीकार नहीं की जाएगी।
2. आवश्यक जानकारी/विवरण 10 मई 2023 तक निम्नलिखित पते पर भेजे जा सकते हैं।

रसद निदेशालय, सीमा सुरक्षा बल
लेवल-8, ब्लाक-10,
केन्द्रीय कार्यालय परिसर, लोधी रोड,
नई दिल्ली-110003
ईमेल:- comdtord@bsf.nic.in

3. शीघ्र प्रतिक्रिया का अनुरोध किया जाता है।


(दिनेश सिंह पुरी)
उप कमाण्डेंट (आधुनिकीकरण)

Government of India
Ministry of Home Affairs
Directorate General Border Security Force
(Prov Dte: Mod Cell)
Block No.10, CGO Complex, Lodhi Road, New Delhi-03
(Fax: 011-24367683, Email-comdtord@bsf.nic.in)

No. P-63013/172/01/2023/Mod-I/BSF/

Dated, the 24 April 2023

Subject : Request for comments of stakeholders/OEM/Firms on QRs (Qualitative Requirements) & TDs (Trial Directives) of "Wheeled/Tracked All Terrain Vehicles (ATV) : Four Pers"

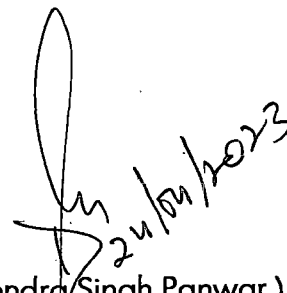
1. The revised QRs/TDs "**Wheeled/Tracked All Terrain Vehicles (ATV) : Four Pers**" is attached as Appendix 'A'. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks will not be accepted. The firms are also requested to furnish the following details:-

- Whether you are OEM/Vendor?
- If vendor details of OEM.
- Authorization certificate from OEM.
- Original catalogue of the product
- Brochure/Literature of the product

2. The required information/details may please be forwarded at the following addresses by 10 May 2023.

Directorate General BSF,
Level-8, Block No. 10,
CGO Complex, Lodhi Road,
New Delhi-110003
Email: comdtord@bsf.nic.in

3. An early response is requested.


24/04/2023
(Digendra Singh Panwar)
Dy. Commandant (Mod)

Draft QRs & TDs of Wheeled/ Tracked All Terrain Vehicles (ATV) : Four Pers

S/No	New QRs		Procedure suggested for trial	Result Expected/ Desired	Complied/ Not Complied
	Parameter	Specification			
1.	Seating Capacity	4 (four)	04 persons with light Arms, Ammunitions & equipment shall be made to sit inside the ATV.	ATV should accommodate all the persons comfortably	
2.	Body and Cabin Structure				
a)	Body of Vehicle	Body of vehicle should be adaptable to various modifications to suite ops requirement as per areas of deployment	Physically check the suitability of modifications on the body of the vehicle.	It should meet the specified QR.	
b)	Driver Cabin	Driver cabin should be hard top with hard doors body with anti-roll bars	Driver Cabin & doors shall be physically checked for utility & condition.	It should meet the specified QR and doors should be easy to operate.	
c)	Seats	Four number bucket type seats	All seats should be physically checked in number and comfort.	It should meet the specified QR and should be comfortable.	
d)	Dash Board	Standard dash board with gauges	All the instruments shall be physically checked for their accurate serviceability.	All the instruments should be in excellent functional condition.	
3.	Engine Power	High powered engine generating minimum 180HP with cover heat protection and to prevent seizure of engine in extreme cold conditions.	(a) OEM shall provide the authenticated certificate with regard to Engine Horse Power. (b) Physically check the performance of engine, mechanism to prevent overheat & cold seizure of engine.	It should meet the specified QRs.	
4.	Vehicle Configuration				
a)	Transmission	Automatic transmission Pvt P/R/N/L/H (4WD)	OEM shall provide certificate regarding the transmission system of the ATV. The ATV shall be run upto a distance of minimum 50 Km to check smooth engagement & disengagement of all transmission modes.	All transmission modes should engage & disengage smoothly.	
b)	Suspension	Independent Hydraulic/Air suspension system with shock	(a) OEM shall provide certificate regarding the make & type of	It should meet the specified QR. The suspension system	

S/No	New QRs		Procedure suggested for trial	Result Expected/ Desired	Complied/ Not Complied
	Parameter	Specification			
		absorbers to sustain the rigors of the cross country terrain	suspension system. (b) The ATV shall be driven in rugged terrain/ cross country terrain to check the effectiveness of suspension system / shock absorbers.	should be effective enough to sustain the rigors of the terrain.	
c)	Brakes	Dual brake system	The OEM shall provide the certificate regarding make & type of brake system. The brake shall be applied on moving vehicle.	It should meet the specified QRs. Application of brake by driver should be effortless and the vehicle should stop properly.	
d)	Steering	Electronic Power Steering (EPS)	(a) The OEM shall provide the certificate regarding the type of steering system. (b) To be checked physically by turning the ATV/right & left while driving.	It should meet the specified QR. It should be able to turn the ATV on desired side effortlessly.	
e)	Dimension	The dimension should be spacious enough to comfortably accommodate minimum 04 persons with on man arms/equipment.	Four persons with light Arms, Ammunitions & equipment shall be made to sit inside the ATV.	It should meet the specified QR. ATV should accommodate all the persons comfortably.	
f)	Wheel / Tracked.	All terrain tyres for good cross country mobility in high altitude areas with provision for fitting of snow chain/anti skid chain	(a) OEM shall provide the certificate regarding make & type of wheels. (b) The provision for fitting of snow chain /anti skid chain/ snow track should be checked physically.	It should meet the specified QR.	
5.	Pay load	Pay load capacity 400Kgs to 500Kgs	Payload 400 Kg shall be loaded in the ATV in the form of men or material. The ATV shall be further operated on cross country terrain for upto 50 Kms at a stretch.	The ATV should be able to carry the specified load comfortably throughout the specified distance.	
6.	Speed				

S/No	New QRs		Procedure suggested for trial	Result Expected/ Desired	Complied/ Not Complied
	Parameter	Specification			
a)	Cross Country				
i)	Normal X-Country	Not less than 40 Kmph	The ATV shall be physically driven on X Country road with full load.	It should attain the speed not less than 40 Kmph.	
ii)	Unprepared/ Gravel Road	60 to 90 Kmph	The ATV shall be physically driven on unprepared / Gravel road with full load.	It should attain the speed ranging from 60 to 90 Kmph.	
7.	Operating Range	Min 300 km on road	The fuel tank shall be filled completely and ATV driven on metalled road upto a distance of 50 km. The full range shall be calculated taking into consideration the fuel consumed to cover a distance of 50km.	The ATV with full tank should be able to cover a distance of 300 km without refueling.	
8.	Turning Radius	Not more than 8 mtr	The ATV shall be physically made to turn left & right to check the turning radius.	It should meet the specified QR.	
9.	Gradient	Min 45 degree	The ATV shall be physically made to negotiate a slope of 45 degree in gradient	It should negotiate the slope easily.	
10.	Side slope	Min 25 degree	The ATV shall be physically operated on terrain having side slope of minimum 25 degree upto 20 meter in one stretch	It should negotiate the slope easily.	
11.	Vertical obstacle	Min 450 mm	The ATV shall be physically made to cross vertical obstacle of minimum 450 mm.	It should cross the vertical obstacle	
12.	Trench crossing ability including river/ water crossing	Min 300 mm	The ATV shall be physically made to cross a trench of minimum 300 mm wide.	It should cross the trench easily.	
13.	a) Lighting system	White LED front light, Red LED Tail/ Brake Lights	The lighting system shall be physically checked for functionality.	It should give good visibility and function properly.	
	b) Lighting	Fog lights and convoy lights, Light in	The lighting arrangements shall be	It should meet the specified	

S/No	New QRs		Procedure suggested for trial	Result Expected/ Desired	Complied/ Not Complied
	Parameter	Specification			
	arrangements	engine Compartment/ Provision for blackout of head lamps, tail light and brake lights (when required)	physically checked for functionality	QRs.	
14.	Fuel System	Diesel/Petrol	OEM shall provide the authenticated certificate with regard to Fuel system.	It should meet the specified QRs.	
15.	Fuel tank capacity	Not less than 40 Ltrs	The fuel tank shall be filled completely to check its capacity.	It should meet the QRs.	
16.	Fordability	Min 350 mm unprepared	The ATV shall be physically taken into water channel with full load and will be made to ford unprepared upto min 350 mm.	The ATV should be able to operate smoothly.	
17.	Operating temperature	-5 degree Celsius to +50 degree Celsius	OEM shall provide the authenticated certificate with regards to operating temperature of ATV.	It should meet the specified QRs.	
18.	Estimated Dry Weight	Not more than 950 Kgs	OEM shall provide the certificate	It should meet the specified QRs.	
19.	Ground Clearance	Min 350 mm under axle (36.8 cm)	It should be physically checked by measuring or crossing an obstacle of min 350 mm.	It should meet the specified QRs.	
20.	Facilities and equipment required Additional Fitment and equipment required as per operations.	(a) Cold starting facility and able to operate on subzero level temperature up to -25 degree Celsius. (b) Provision for mounting of weapon. (c) Towing hooks with towing capacity about 0.75 Ton. (d) Self recovery winch. (e) Brackets/ arrangement for fitting GPS. (f) Provision for telescopic mast. (g) Provision for fixing wireless and radio communication system. (h) Cup Holders. (j) Standard Tools.	Physically check the cold starting facility and OEM should provide the authenticated certificate regarding operation of ATV in subzero temperature upto -25° C. <u>Point (b) to (k) :-</u> Physically check the fitments & accessories.	It should meet the specified QRs.	

S/No	New QRs		Procedure suggested for trial	Result Expected/ Desired	Complied/ Not Complied
	Parameter	Specification			
		(k) Provision for stretcher attachment for casualty evacuation.			
21.	Training	Supplier to impart training for operating & maintenance of vehicle.	The vendor/firm shall arrange training for two weeks. 8 hours per day.	Must be as per specification	
22.	Logistics	(a) Workshop Repair Manual. (b) Illustrated Spare parts Catalogue. (c) After sale service provision.	Physically verify the manuals/ documents.	Vendor should provide specified manuals/ documents with each ATV.	
23.	After sale service	(a) Supply of spare parts. (b) Readiness of maintenance parts. (c) After sale service provision.	Vendor/ firm shall certify commitment towards after sell service including supply of spares, readiness of maintenance.	The spares should be available for next seven years.	
24.	Certifications	(a) Environmental Protection Agency (EPA) certification. (b) California Air Resource Board (CARB) Emission certificate. (c) Roll Over Protection System (ROPS) Certification. (d) Machinery Directives Certification.	Physically check the correctness of the submitted documents.	It should be as per specified QR.	

तकनीकी विशेषज्ञों के उप समूह द्वारा यह निश्चित किया गया है कि उक्त गुणात्मक आवश्यकता को अधिक बेहतर बनाने के लिए गृह मंत्रालय एवं सीमा सुरक्षा बल की वेबसाईट पर विक्रेताओं/फर्मों के सुझाव प्राप्त करने हेतु 15 दिनों के लिए अपलोड किया जाए।

नोट - सभी विक्रेताओं/फर्मों से निवेदन है कि अपने सुझावों के साथ निम्नलिखित कागजात संलग्न कर ई-मेल पता comdtord@bsf.nic.in पर भेजने का श्रम करें:-

1. उत्पाद की वास्तविक विवरण पुस्तिका।
2. उत्पाद की साहित्यिक रचना का ब्यौरा।
3. गुणात्मक आवश्यकताओं के उपर व्यापक टिप्पणीयों।

(दिगेन्द्र सिंह पवार)
उप कमांडेण्ट (आधुनिकीकरण)