

संख्या. पी-63013/227/01/2025/मोड- I/सी0सु0बल/1076-79

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

ब्लाक संख्या . 10,
सीजीओ काम्पलैक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 04 मई 2026

वरिष्ठ तकनीकी निदेशक

The Senior Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लाक,
गृह मंत्रालय, नई दिल्ली
NIC, North Block, MHA
New Delhi
(द्वारा ई-मेल)

(ई-मेल पता : mpsugandhi@nic.in)

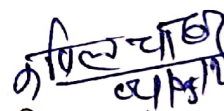
Sub: **Request for comments of stakeholders/OEM on draft QRs & TDs**

कृपया गृह मंत्रालय के पत्र संख्या IV-24011/12/2011-Prov-I(part)(CFN 3300890)-1710 दिनांक 31st Aug 2015 के सन्दर्भ में।

2. उपरोक्त विषयान्तर्गत सूचित किया जाता है कि तकनीकी विशेषज्ञों के उप समूह द्वारा "AIR Conditioned Horse Floats"- Revision के गुणात्मक आवश्यकता/परीक्षण निर्देशों के मसौदों का प्रारूप दिनांक 14.10.2025 को आयोजित सभा के दौरान तैयार किया गया, जिसको इस आशय से प्रेषित किया जा रहा है कि उक्त उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देश को पुनः गृह मंत्रालय की वेबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें।

3. अतः आपसे यह भी अनुरोध है कि गृह मंत्रालय की वेबसाइट पर सीरियल संख्या- 39 के अंतर्गत "AIR Conditioned Horse Floats"- Revision के गुणात्मक आवश्यकता/परीक्षण निर्देशों के मसौदों को, पत्र संख्या-पी-63013/227/01/2025/मोड- I/सी0सु0बल/4906-09 दिनांक 06 नवम्बर 2025 के तहत फर्मो से टिप्पणियाँ प्राप्त करने हेतु पूर्व में अपलोड किए गए मसौदे को हटाने का कष्ट करें।

संलग्न: उपरोक्तनुसार


(कपिल चाहर)

उप कमाण्डेंट (मोड)

प्रतिलिपि :-

1. SO (IT), North Block, MHA : उपरोक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों के मसौदा को आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।
(Through E-mail)
(E-mail address: soit@nic.in)
2. IT Wing, FHQ BSF : उपरोक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों के मसौदे को सीमा सुरक्षा बल की वेबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें। आपसे अनुरोध है कि उक्त मसौदे को गृह मंत्रालय की वेबसाइट पर भी पुनः अपलोड करने हेतु निम्नलिखित पत्तों पर ई-मेल करने का श्रम करें:-
(a) Technical Director, NIC, North Block, MHA
(E-mail : mpsugandhi@nic.in)
(b) SO (IT), North Block, MHA
(E-mail : soit@nic.in)
3. Prov Dte (TPT Sec), BSF : For info w.r.t your UO No.870 dated 29.04.2026.
4. File.

भारत सरकार, गृह मंत्रालय 1076-79
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-63013/227/01/2025/मोड-1/सीसुबल/

दिनांक 04 May 2026

विषय : “AIR Conditioned Horse Floats”- Revision के गुणात्मक आवश्यकता/परीक्षण निर्देशों पर हितधारकों/निर्माताओं/विक्रेताओं की टिप्पणी के लिए अनुरोध।

“AIR Conditioned Horse Floats”- Revision के 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।

- क्या आप मूल उपकरण निर्माता/विक्रेता हैं?
- यदि विक्रेता मूल उपकरण निर्माता का विवरण देता है।
- मूल उपकरण निर्माता से प्राधिकरण प्रमाण पत्र।
- उत्पाद की मूल सूची।
- उत्पाद ब्रोशर एवं साहित्य रचना का ब्यौरा

1. आवश्यक जानकारी/विवरण 19 मई 2026 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

2. शीघ्र प्रतिक्रिया का अनुरोध किया जाता है।

कपिल चाहर
04/05/26

(कपिल चाहर)

उप कमाण्डेंट (आधुनिकीकरण)

Government of India 1076-79
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-63013/227/01/2025/Mod-I/BSF/

Dated, the 04 May 2026

Subject : Request for comments of stakeholders/OEM/Firms on QRs (Qualitative Requirements) & TDs (Trial Directives) of "AIR Conditioned Horse Floats"-Revision


The draft QRs/TDs "AIR Conditioned Horse Floats"- Revision 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 19 May 2026.

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.


(Kapil Chahar)
Dy. Commandant (Mod)

Draft QRs & TDs of Air Conditioned Horse Float- RevisionA) Horse Float Chassis :

S. No.	Specification	QRs	Trial Directives	Remarks
	CHASSIS			
1	Description of chassis	Chassis is the foundation structure of any vehicle that supports it from underneath. The purpose of the chassis is to bear the weight of the vehicle in its idle and dynamic states. A vehicle chassis is made of steel and includes parts such as tires, engine, the axle system, transmission, steering system, the brakes, and suspension.	As per OEM's certification along with ARAI/ICAT certification OR equivalent	
2	Category of Vehicle for which Chassis to be used	Heavy Commercial Vehicle	As per OEM's certification along with ARAI/ICAT certification OR equivalent	
3	Type of Chassis	Chassis with Built up Cabin	As per OEM's certification along with ARAI/ ICAT certification OR equivalent	
	ENGINE			
01.	Emission Norms	Bharat Stage-VI Or Latest as per CMVR Norms	As per OEM's certification along with ARAI/ ICAT certification OR equivalent	
02.	Type	Water/oil cooled with advanced intercooler system, Common Rail Direct Injection turbo charged, diesel engine (Or) Water/oil cooled with advanced intercooler system, Common Rail Direct Injection turbo charged, diesel engine With Hybrid electrical system (Or) Electric power train Note : Option to be selected by User defined as per	As per OEM's certification	

S. No.	Specification	QRs	Trial Directives	Remarks
03	Min Engine Power	requirement a. 150 HP and above between 2000-2800 RPM for 6x2 Vehicle Model b. 200 HP and above between 2000-2800 RPM for 6x4 Vehicle Model Note : Option "a OR b" to be selected by User defined as per requirement	As per OEM's certification	
04	Minimum Torque	a. 540 NM and above at 1000-1900RPM and above for 6x2 Vehicle Model b. 700 NM and above at 1000-2000RPM and above for 6x4 Vehicle Model Note : Option "a OR b" to be selected by User defined as per requirement	As per OEM's certification	
CLUTCH				
01.	Type	1. Single plate, Dry friction type, mechanical/hydraulic/ Pneumatic control system or any assistant control system. (or) 2. Fluid clutch/torque converter or equivalent	As per OEM's certification	
GEAR BOX				
01.	Type	Synchromesh on all forward gears and Constant Mesh/Synchromesh on Reverse Gear or automatic transmission system.	As per OEM's certification	
02.	Nos. of Gears	Minimum 5 Forward and 1Reverse or better mechanical gearbox. (or) Minimum 3 Forward and 01 Reverse or above for automatic transmission	As per OEM's certification	
REAR AXLE				
01.	Type	a) 02 Nos (minimum one live axle or better) Drive	To be checked by BoO	

S. No.	Specification	QRs	Trial Directives	Remarks
		Axle on rear. b) User will define the Axle configuration 6x4 or 6x2 with/without differential Lock as per requirements.		
	FRONT AXLE			
01.	Type	Extra Heavy Duty Forged I Beam or better	As per OEM's certification	
	STEERING			
01.	Type	Power steering	As per OEM's certification	
	BRAKES			
01.	Service Brakes	a. Dual Circuits Fully Air Operated S-Cam Brake System, b. Front and Rear Wheel has provided Drum brake /Disc brake.	As per OEM's certification	
02.	Parking Brakes	Spring actuated parking brake acting on rear wheels with graduated hand brake valve system.	As per OEM's certification	
03.	Engine Exhaust Brake	Pneumatic/ Electro-Pneumatically operated and coupled with service brake. or any other suitable system.	As per OEM's certification	
	FRAME			
01.	Type	Heavy duty frame with cross members and suitable to GVW of the vehicles.	As per OEM's certification	
	SUSPENSION			
01.	Type	Multi leaf spring/Semi Elliptical/Parabolic Leaf Springs suspension system or Bogie suspension system or Air suspension system or Tandem Torsion Axles Suspension or any above with combined systems at Front & Rear.	To be Checked by BoO	
02.	Shock absorber	Hydraulic Double Acting Telescopic Type in front or better.	To be Checked by BoO	
	WHEELS & TYRES			
01.	Tyres	Pneumatic tyres with tubes or tubeless, Tyre ply rating 16 PR or above and suitable Rim size 20 inch or above. BIS marked.	As per OEM's certification and BIS Certification	
02.	Wheel Rims	Suitable for above mentioned tyre sizes.	To be Checked by BoO	

S. No.	Specification	QRs	Trial Directives	Remarks
03.	No. of Wheels	Minimum Front-2, Rear-4+4=8, Spare-1 (Total 11 Wheels).	To be Checked by BoO	
FUEL TANK				
01.	Capacity	Above 200 Liters	To be Checked by BoO	
CABIN				
01.	Type	Sleeper Cabin-(Driver+ Co-driver+ 2 berth Reclining seat for driver, music system, Air conditioned system included in the cabin and provision for horse compartments.	To be Checked by BoO	
02.	Mild steel Cabin	Suitable for vehicle design and manufacturing of the OEM as per requirement.	As per OEM's certification	
ELECTRICAL SYSTEM				
1.	System Voltage	24 Volts	As per OEM's certification	
2.	Alternator Capacity	35 Amps or more	As per OEM's certification	
3.	Battery	12 V 110 AH X 2 or above	As per OEM's certification	
4.	Fog Lights	02 Nos fitted and working condition	To be checked by BoO	
CHASIS DIMENSIONS				
1.	Track Front Axle	As per requirement and norms	As per OEMs certification	
2.	Track Rear Axle	As per requirement and norms	As per OEMs certification	
3.	Width	1500 mm & above	As per OEMs certification	
4.	Overall Length	9000 mm & above	As per OEMs certification	
5.	Ground Clearance	220 mm & above	As per OEMs certification	
6.	Wheel Base	4275 mm & above	As per OEMs certification	
7.	Turning Radius	10000 mm or less	As per OEMs certification	
8.	Gradeability of Vehicle (Degree in first gear)	10 degree or more	As per OEMs certification	
9.	Payload Capacity as per CMVR type approval certificate	14000 kg or above	As per OEMs certification	
WEIGHTS (KGs)				
1.	Maximum permissible Rear Bogie Weight	Maximum permissible Rear axle Weight- As per requirement of norms.	To be checked as per OEMs certification	
2.	Maximum permissible Front Axle Weight (FAW)	As per requirement of norms	To be checked as per OEMs certification	

S. No.	Specification	QRs	Trial Directives	Remarks
3.	Bare chassis kerb weight with cowl and spare wheel & tools	As per requirement of norms	To be checked as per OEMs certification	
4.	Gross Vehicle Weight (GVW)	25000 Kg & above	To be checked as per OEMs certification	
<u>CERTIFICATION AND DOCUMENTATION</u>				
1.	Certification Type	Base Vehicle/Chassis Certification	As per OEM's certification along with ARAI/ICAT certification OR equivalent	
2.	Certifying Agency	ARAI/ICAT OR Equivalent	ARAI/ICAT certification OR equivalent	
3.	Additional documents required for registration	Form 22 / other document - For compliance with pollution standards, safety standards of components and road worthiness as per CMVR Rules, essential for registration with local RTO(Regional Transport Office)/RTA(Regional Transport Authority)	To be provided by OEM	

(B) HORSE FLOAT(COMPARTMENT)

S.No.	Specification	QRs	Trial Directives	Remarks
1.	Application	To safety transport min 06 Horse and its accessories	To be checked by BoO	
2.	Cabin Mild Steel	Horse compartment top – 18 gauge (max) Horse compartment side – 14 gauge (Max) Horse compartment floor -08 gauge (Max) {Chequered MS Sheet }	To be checked by BoO	
3.	Nos of Compartments	03 Compartments. Compartment 1&3 for horse facing each other with minimum required space 2.25 Sq Mtrs per horse and central compartment No. 2 for escort/ attenders.	To be checked by BoO	
4.	Horse Compartments No 1 & 3 (Essential Feature)	a) Horse Compartments having space for three horses each with aluminum grided window for ventilation of size 3 feet x 1.5 feet on sides and 01 each of size 2x2 feet on the front/rear door. Total 8-10 Nos of windows. b) Each Compartment housing to have 02 grided metal separator the	To be checked by BoO	

S.No.	Specification	QRs	Trial Directives	Remarks
		<p>horses, properly hinged/detachable with hard rubber padding on the both side of separator to avoid injury</p> <p>c) Large stainless steel bowl be fitted below the horse head for continuous feeding / watering purpose during transit. The edge of the bowl should be round/curved.</p> <p>d) Heavy duty hard rubberized padding behind horses to reduce impact of Kicking by horses on the walls.</p> <p>e) Saddle type neck support for horse comfort.</p> <p>f) Stopper (Adjustable according to size) like structures at the back to support horses.</p> <p>g) Floor should be strong, heavy duty with reinforcement with 1.5 inch hard rubber mat, detachable And easy to clean and chequered sheet based with good reinforcement with heavy rubberized flooring.</p> <p>h) Gradient of the floor should be on the back side of the horse.</p> <p>i) Adequate drainages for each horse compartment.</p> <p>j) Should have Fins like structure at the bottom of side walls in the compartment for passing of gases.</p> <p>k) One exhaust fan in each compartment on sides and two exhaust fans at rear door.</p> <p>l) One door cum ramp (non-skid) per compartment to be provided for the quick moving/alighting .of horses. The doors to operate hydraulically.</p> <p>m) There should be obstruction, to move neck of horse up and down.</p>		

S.No.	Specification	QRs	Trial Directives	Remarks
		n) The air conditioner should be there to maintain the temperature inside the container.		
5.	Escort Compartment (Essential Features)	<p>a) Should provide 3 Tier berth (3x7 feet) to house 06 personnel with provision for secure space for keeping personnel belongings and should be in between horse compartments having size of 6x9 feet.</p> <p>b) Escort compartment be separated from horse compartment by meshed partition wall and be fitted with one side door.</p> <p>c) Minimum size of window 2.5 feet x 2.5 feet with sliding glass window horizontally.</p>	To be checked by BoO	
6.	General Features	<p>a) Effective Air Flow (cross ventilation) in horse compartment.</p> <p>b) Washable interiors for easy cleaning of compartment excluding roof.</p> <p>c) All inner body finishing should of highly antirust stainless steel and hard aluminum sheet wherever applicable.</p> <p>d) No pointed/protruding/ sharp fittings and fixtures be used inside the horse compartment for horse safety.</p> <p>e) Entire body Structure be anti rust galvanized coated.</p> <p>f) Should be Tubular box section structure construction.</p>	To be checked by BoO	
7.	Safety Features	<p>a) Alarm call bells at escort compartment for emergency contact with driver.</p> <p>b) See-through window /grilled partition from driver's cabin to rear door.</p> <p>c) First Aid box & 2 Nos portable fire extinguishers ABC Dry Powder of 5 Kgs at escort compartment i.e. compartment No. 2.</p> <p>d) Warning sign with red light for horse wagon behind the vehicles.</p>	To be checked by BoO	

S.No.	Specification	QRs	Trial Directives	Remarks
		e) Each Compartment should have temperature & humidity gauges.		
8.	Ramp Design	Hydraulic & manual Ramp for both horse compartments 1&3 and should be designed in Anti-skid manner to load /unload the horses easily.	To be checked by BoO	
9.	Additional attachment fitment and accessories	<p>a) Food grade SS PU insulated with water storage tank of 02 nos. (750 liter each with capacity of store 1500 liter of water for horses during transit.</p> <p>b) Provision of iron grilled carriage of size 1.5 feet with water proof bags to store feed/hay for the horses on the roof of the vehicle.</p> <p>c) Inbuilt water lifting pump (0.5 hp to 1.5 hp) to fetch the water to water storage tank.</p> <p>d) Every compartment should be well lit with LED Bulbs/LED Lights.</p> <p>e) Four fan, one exhaust fan and one mobile charger point to be fitted in escort compartment.</p> <p>f) A separate tool box (Min 2) for keeping the accessories (to be provided below the container).</p> <p>g) Tyre puncture repair tool, with kit, wheel spanner, Jack with handle and standard tool for maintenance.</p>	To be checked by BoO	
10.	Warranty	24 months from the date of delivery.	As per firm certification.	
11.	Body design	The body should be designed with a carrying capacity of a maximum of 06 horses, divided into 02 separate compartments. A centrally locate escort compartment should be provided for monitoring the horses during movement. Additionally, a rear window in the driver's cabin and the horse compartment.	To be checked by BoO	

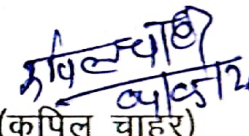
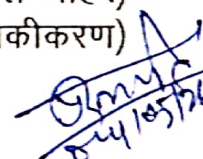
S.No.	Specification	QRs	Trial Directives	Remarks
12.	Provision For Generator set and Cooler	Provision shall be made for housing a silent generator set and a cooler unit with proper ducting to supply cooled air to the horse compartments. The generator and cooler housing should be located between the driver's cabin and the horse compartments - user defined as per requirement.	To be checked by BoO	
13.	Silent Generator 0.05 KVA (Honda Yamaha Kirlosker/ Greaves Birla)	Silent Generator : 1.5 KVA or more (Honda, Yamaha, Kirlosker, Greaves, Birla, or equivalent)- user defined as per requirement.	To be checked by BoO	
14.	Horse and Escort compartment should be compatible for receiving electric power source DC and AC both facility. An additional 50 Mtrs Low Tension Wire Should also be provided with sockets for this purpose.	Horse and Escort compartment should be compatible for receiving electric power source DC and AC both facility. An additional 50 Mtrs Low Tension Wire Should also be provided with sockets for this purpose and to be mentioned at fabrication parameters.	To be checked by BoO	
15.	Documents	All necessary fabrication –related documents required for vehicle registration and compliance shall be provided by the supplier.	To be checked by BoO	
	MISCELLANEOUS			
(a)	Cleaning Kit (flexible hose pipe 10mtrs length with nozzle, brushes,/blooms of small, medium and bid size).		To be checked by BoO	
(b)	Standard vehicle carrying tool kit.		To be checked by BoO	
(c)	Users Handbook in English and Hindi.		To be checked by BoO	
(d)	Literature on Preservation/Maintenance in Hindi and English.		To be checked by BoO	
(e)	Firm to give an undertaking that spares will be provided for 10 years as and when required by the users.		To be checked by BoO	
(f)	Firm to provide list of Fast Moving Spares.		To be checked by BoO	

S.No.	Specification	QRs	Trial Directives	Remarks
(g)	ISI Make Fire Extinguishers Dry Powder ABC Type should be installed in both cabin and rear escort compartment.		To be checked by BoO	
(h)	First Aid Box in the Compartment in addition to One provided in cabin.		To be checked by BoO	
(j)	The manufacturer fabricator of Horse Float should use only the reputed make of materials.		To be checked by BoO	
(k)	Firm should give Two years warranty on Compartment irrespective of warranty of Prime Mover and Workmanship.		To be checked by BoO	
(l)	Manufacturer should provide construction details of Compartment along with structural design and relevant drawings.		To be checked by BoO	
(m)	CCTV camera to be fitted with recording for 8 hours monitoring will be done in Co-driver cabin and a rear view camera for driver		To be checked by BoO	
(n)	Rear compartment electrical wiring should be insulated fire proof and circuit breaker.		To be checked by BoO	
(o)	All plumbing and piping should be made of stainless steel.		To be checked by BoO	
(p)	Wash basin with tape and drainage facility to be fitted in escort compartment.		To be checked by BoO	
(q)	All electrical wirings should be insulated and fire proof with circuit breaker		To be checked by BoO	

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।


 (कपिल चाहर)
 उप कमांडेण्ट (आधुनिकीकरण)

 24/05/26