

संख्या. पी-63013/227/01/2025/मोड-1/सी0सु0बल/4906-09

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

ब्लाक संख्या . 10,
सीजीओ काम्प्लैक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 06 नवम्बर 2025

वरिष्ठ तकनीकी निदेशक

The Senior Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लॉक,
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 मसौदे 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 गृह मंत्रालय की वेबसाइट पर 15 दिन के लिए अपलोड करने का श्रम करें।

संलग्न: उपरोक्तनुसार

कपिल चाहर
(कपिल चाहर)

उप कमाण्डेंट (मोड)

प्रतिलिपि :-

1. SO (IT), North Block, MHA
(Through E-mail)
(E-mail address: soit@nic.in)
: उपरोक्त उपकरण के गुणात्मक आवश्यकता /परीक्षण निर्देशों के मसौदा को आपके सूचनार्थ एवं अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।
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 अपलोड करने हेतु निम्नलिखित पतों 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.2066 dated 28.10.2025.
4. File.

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-63013/227/01/2025/Mod-I/BSF/

Dated, the 06 Nov 2025

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

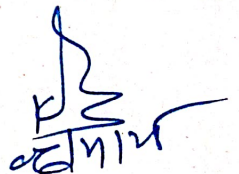
The draft QRs/TDs "AIR Conditioned Horse Floats"- Revision is attached as Appendix 'A'. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks will 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 21 Nov 2025.

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)

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-63013/227/01/2025/मोड-1/सीसुबल/

दिनांक 06 Nov 2025

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 21 नवम्बर 2025 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
06/11/25

(कपिल चाहर)

उप कमाण्डेंट (आधुनिकीकरण)

Draft QRs & TDs OF AIR CONDITIONED HORSE FLOATS-Revision

S/No.	Specification	QRs	Trail Directives	Remarks
A)	HORSE FLOAT-CHASSIS			
	ENGINE			
1	Emission Norms	Bharat Stage-VI Or Latest as per CMVR Norms	As per OEM's Certification.	
2	Type	Water/oil cooled with advanced intercooler system, common rail direct injection, hybrid or electric power train	As per OEM's Certification.	
3	Body Design	Should be designed with the carrying capacity of maximum 06 horses in 02 different compartments i.e 03 in each compartment with a central escort compartment for monitoring horses while transportation / movement. All compartment should be Air Conditioned. Or Additionally, a rear window in the driver's cabin is required to facilitate rearward visibility into the horse compartment	To be checked by BOO.	
4	Min. Engine Power	150 HP and above between 2000-2800 RPM	As per OEM's certification	
5	Min. Torque	540 Nm and above at 1000-1900 RPM and above.	As per OEM's certification	
	CLUTCH			
01	Type	Single plate/ Diaphragm spring clutch with hydraulic actuation/fully hydraulic push type, assisted with electronic controls or pneumatic control for smooth operation. Or Fluid clutch/torque converter.	As per OEM's Certification.	
	GEAR BOX			
01	Type	Fully Synchronized gearbox with advanced technology. Or Synchromesh on all forward gears and Constant Mesh/Synchromesh on Reverse Gear or automatic transmission system.	As per OEM's Certification.	
02	No. of Gears	Minimum 5 Forward and 1 Reverse or better Or ii) Equivalent Automatic transmission	As per OEM's Certification.	
	REAR AXLE			
01	Type	01/02 live Axles Or Axle configuration 6x4 or 6x2 with/without differential Lock as per requirements.	To be checked by BOO.	
	FRONT AXLE			
01	Type	Extra heavy duty forged I-Beam live axle or better.	As per OEM's Certification.	

S/No.	Specification	QRs	Trail Directives	Remarks
	STEERING			
01	Type	Electric power steering (EPS) / hydraulic power steering Or Power steering	As per OEM's Certification.	
	BRAKES			
01	Service Brakes	Dual circuit full air s-cam brake system or advanced breaking system. Or 1. Air/ pneumatic brake system. (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 better. system or advanced breaking 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 riveted/bolted cross members and suitable to GVW of the vehicle.	To be checked by BOO.	
	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 Or Hydraulic Double Acting Telescopic Type in front or better.	To be checked by BOO.	
	WHEELS & TYRES			
01	Tyres	Radial tyres with higher ply rating (16/18PY/ 20PY) 1100R 20 with advanced thread pattern Or BIS marked/pneumatic tyres with tubes or tubeless tyres.	To be checked by BOO.	
02	Wheel Rims	Minimum 7.50 x 20 / 9.00 x 20 Or Suitable for above mentioned tyre sizes.	To be checked by BOO.	
03	No. of Wheels	Front-2, Rear-8, Spare-1. (Total 11 wheels) OR Front-2, Rear-4, Spare-1. (Total 07 wheels)	To be checked by BOO.	
	FUEL TANK			
01	Capacity	Above 200 lts.	To be checked by BOO.	
	CABIN/COWL			
01	Type	Sleeper cabin- Driver +Co driver+2 berth Reclining seat for driver, Music System, AC Included in cabin and horse compartment. Or	To be checked by BOO.	

S/No.	Specification	QRs	Trail Directives	Remarks
		1. Chassis with built up cabin: Sleeper Cabin (Driver+ Co-driver+ 02 berth and standard seats with good cushioning for long distance travel) 2. Air conditioning system. 3. The row to be deleted, and the new content be included under Fabrication Parameters: Provision for housing Generator set and Cooler with ducting to supply cooled air in horse compartment between cabin and horse compartments.		
02	Mild Steel cabin	Suitable for vehicle design and manufacturing of the OEM as per requirement.	To be checked by BOO.	
	ELECTRICAL SYSTEM			
01	System Voltage	24V	As per OEM's certification	
02	Alternator capacity	Above 50 Amps or 35 Amps or more	As per OEM's certification	
03	Battery	(12 V 150 AH) X 2 or above Or (12 V 110AH) X 2 or above	To be checked by BOO.	
04	Silent generator 2.5 KVA (Honda/ Yamaha / Kirlosker/ Greaves Birla)	To be mentioned at fabrication parameters Silent Generator 1.5 KVA or better (Honda Yamaha Kirlosker/ Greaves Birla or equivalent).	To be checked by BOO.	
05	Horse & Escort compartment should be compatible for receiving external electric power source, DC & AC Both facility. An additional 50 Mtrs Low Tension wire should also be provided with sockets for this purpose.	Horse & Escort compartment should be compatible for receiving external electric power source, DC & 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.	
	CHASSIS DIMENSIONS			
01	Track Front Axle	As per requirement and norms		
02	Track rear Axle	As per requirement and norms	To be checked by BOO.	
03	Width	1500 mm & above	To be checked by BOO.	
04	Overall length	5000 mm & above	As per OEM/s Certification	
05	Ground Clearance	220 mm & above	As per OEM/s Certification	
			As per OEM/s Certification	

S/No.	Specification	QRs	Trail Directives	Remarks
06	Wheel base	Minimum 4275 mm & above	As per OEM/s Certification	!
07	Turning Radius	As per requirement	As per OEM/s Certification	
08	Gradeability of Vehicle (Degree in first gear)	As per requirement (Minimum 10 Degree)	As per OEM/s Certification	
09	Payload Capacity as per CMVR type approval certificate	As per requirement (Above 5000 Kgs)	As per OEM/s Certification	
	WEIGHTS (KGs)			
01	Maximum Permissible rear bogie weight	As per requirement of norms	To be checked as per OEM's certification	
02	Maximum Permissible Front Axle weight (FAW)	As per requirement of norms	To be checked as per OEM's certification	
03	Bare chassis kerb weight with cowl and spare wheel & tools	As per requirement of norms	To be checked as per OEM's certification	
04	Gross Vehicle weight (GVW)	15000 kg & above	To be checked as per OEM's certification	
B	HORSE FLOAT COMPARTMENT			
01	Application	To safety transport of min 06 Horses and its accessories	To be checked by BOO	
02	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	
03	Nos of Compartment	03 Compartments. Compartment 1 & 3 for horses facing each other with minimum required space 2.25Sq Mtrs per horse and central compartment No. 2 for escort/attenders.	To be checked by BOO	
04	Horse compartment No.1 & 3 (Essential Features)	a) Two Horse compartment having for 03 Horse each having size of 9x9 feet width grill window for ventilation 02 Nos. of Size 3x1.5 feet on side and 01 each of size 2x2 feet on the front/ rear door. Total 08 - 10 Nos of windows. b) Each compartment housing to have 02 grilled metal separator the horses, properly hinged/detachable with hard rubber padding on both sides of separator to avoid injury. 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. d) Heavy duty hard rubberized padding behind horses to reduce impact of Kicking by horses on the walls.	To be checked by BOO	

S/No.	Specification	QRs	Trail Directives	Remarks
		e) Saddle type neck support for horse comfort. f) Stopper (Adjustable according to size) like structures at the back to support horses. g) Heavy duty rubberized padding behind horses on the walls.Or h) 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 duty rubberized flooring. i) Gradient of the floor should be on the back side of the horse. j) Adequate drainages for each horse compartment. k) Should have Fins like structure at the bottom of side walls in the compartment for passing of gases. l) One exhaust fan in each compartment on sides and two exhaust fans at rear door. m) One door cum ramp (non-skid) per compartment to be provided for the quick moving/alighting of horses. The doors to operate hydraulically. n) There should be no obstruction, to move neck of horse up and down. o) The air conditioner should be there to maintain the temperature inside the container.		
05	Escort Compartment (Essential features)	a) Should provide 2 Tier/ 3 Tier berth to house 04 - 06 personnel with provision for secure space for keeping personal belongings and should be in between horse compartments having size of 6x9 feet. b) Escort Compartment be separated from horse compartments by meshed partition wall and be fitted with one side door. c) Minimum size of window 2.5 feet x 2.5 feet with sliding glass window horizontally. d) Four fans, one exhaust fan and four mobile charging point to be fitted in escort compartment. e) Wash basin with tap and drainage facility to be fitted in escort compartment.	To be checked by BOO	
06	General Features	a) Effective air flow (cross ventilation) in horse compartment. b) Washable interiors for easy cleaning of compartment excluding roof. c) All inner body finishing should be of highly antirust stainless steel and hard aluminum sheet wherever applicable. d) No pointed/protruding/sharp fittings and fixtures be used inside the horse compartment for horse safety, e) Entire body structure be anti-rust galvanized coated. f) Should be Tubular box section structure construction.	To be checked by BOO	
07	Safety Features	a) Alarm call belts at escort compartment for emergency contact with driver.	To be checked by BOO	

S/No.	Specification	QRs	Trail Directives	Remarks
		b) See-through windows/grilled partition from driver's cabin to rear door. c) First aid box and 2 Nos portable fire Extinguisher ABC dry powder of 2 kgs – 5 Kgs at escort compartment i.e compartment No. 2 d) Warning sign with red light for horse wagon behind the vehicle. e) Height of vehicle should be in accordance of Para-4 of MV act. f) Each compartment should have temperature & humidity gauges.		
08	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	
09	Additional attachment, fitments and accessories	a) Food grade SS PU insulated water storage tanks. 02 Nos (750 Ltrs each) with capacity to store 1500 Ltrs of water for horses during transit. 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. c) Inbuilt water lifting pump (0.5 hp - 1.5 hp) to fetch the water to water storage tank d) Every compartment should be well lit with LED Bulbs/ LED Lights. e) Four fan, one exhaust fan and one mobile charger point to be fitted in escort compartment. f) A separate tool box (Min 02) for keeping the accessories (to be provided below the container) as per the user requirement.	To be checked by BOO	
10	Warranty	24 months from the date of delivery.	As per OEM's 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 located escort compartment should be provided for monitoring the horses during movement. Additionally, a rear window in the driver's cabin is required to facilitate rearward visibility into the horse compartment.	To be checked by BOO	
12	Provision For Generator set and Cooler	<i>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.</i>	To be checked by BOO	
13	Silent Generator 0.05 KVA (Honda Yamaha Kirlosker/ Greaves Birla)	<i>Silent Generator: 1.5~2.0 KVA (Honda, Yamaha, Kirloskar, Greaves, Birla, or equivalent) – user defined as per requirement.</i>	To be checked by BOO	
14.	Documents	<i>All necessary fabrication-related documents required for vehicle registration and compliance shall be provided by the supplier.</i>	To be checked by BOO	
	MISCELLANEOUS			
a)	Cleaning Kit (flexible hose pipe 10 Mtrs length with nozzle, Brushes/brooms of small, medium and big size).		To be checked by BOO	

S/No.	Specification	QRs	Trail Directives	Remarks
b)*	Standard vehicle carrying tool kit		To be checked by BOO	
c)	User 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 spare 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 parts.		To be checked by BOO	
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 compartment in addition to one provided in cabin.		To be checked by BOO	
i)	The Manufacturer/fabricator of Horse Float should use only the reputed make of materials.		To be checked by BOO	
j)	Firm should give two years warranty on compartment irrespective of warranty of Prime Mover and workmanship		To be checked by BOO	
k)	Manufacturer should provide construction details of compartment along with structural design and relevant drawings.		To be checked by BOO	
l)	CCTV Camera will be fitted with recording for 8 hours. Monitoring will be done in Co-Driver cabin and rear view Camera for driver.		To be checked by BOO	
m)	In case of non-functional of AC there should be optimum ventilation from windows & roof.		To be checked by BOO	
n)	Rear Compartment electrical wiring should be installed 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	

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
21/11/25

(कपिल चाहर)
उप कमांडेण्ट (आधुनिकीकरण)