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15 Kartik 1431

06.06.0000.214.eval.24/Animal Tptr

31 October 2024

**EVALUATION COMMITTEE - ANIMAL TRANSPORTER FOR BANGLADESH ARMY**

Reference:

A. Army Headquarters, Quarter Master General's Branch, Remount Veterinary & Farm Directorate letter number 23.01.901.062.01.057.02.23.10.24/Animal Transporter Dated 23 October 2024 (Not to all).

1. Please be informed that Bangladesh Army is planning for evaluation of **Animal Transporter (For transportation of Cattle)** in Financial Year 2024-2025. In this regard, you are requested to forward technical offer Brochure/Catalogue and **100% updated original Spare Parts Catalogue (Hard/Soft copy) and other information**. Offered models should be compatible with general technical specification attached herewith and to be submitted directly to Army Headquarters, Quarter Master General's Branch, Remount Veterinary & Farm Directorate, Dhaka Cantonment by **15 November 2024** with an intimation to this office. You are also requested to provide enlistment certificate of DGDP along with technical offer. Lack of any information will disqualify the offer.
2. Forwarded for your information and necessary action please.



SHEULY AKTER  
Lieutenant Colonel  
For Director General

Annex:

- A. preliminary specification of Animal Transporter (For transportation of Cattle).

Distribution:

External:

Action:

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(All Concerned Supplier/Firm)

Information:

Army Headquarters  
General Staff Branch (Coordination)

Army Headquarters,  
Quarter Master General's Branch (Coordination)

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Army Headquarters,  
Master General of the Ordnance Branch (Coordination)

Army Headquarters,  
General Staff Branch,  
Weapon Equipment and Statistic Directorate

Army Headquarters,  
Master General of the Ordnance Branch,  
Ordnance Directorate

Army Headquarters,  
Master General of the Ordnance Branch,  
Electrical and Mechanical Engineers Directorate

Army Headquarters,  
Master General of the Ordnance Branch,  
Inspection and Technical Development Directorate

Inspectorate of Vehicle & Engineering Equipment

Internal:

IT Section: Publish in web site.

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ANX A TO  
 ARMY HEADQUARTERS, QUARTER MASTER GENERAL'S BRANCH  
 REMOUNT VETERINARY & FARM DIRECTORATE LETTER NO  
 23.01.901.062.01.057.02.23.10.24/ANIMAL TRANSPORTER  
 DT: 23 OCTOBER 2024

**PRELIMINARY TECHNICAL SPECIFICATION OF ANIMAL TRANSPORTER  
 (FOR TRANSPORTATION OF CATTLE)**

Item no.	Name of Goods or Related Services	Technical Specification and Standards	Tenderer's Response	Rmk
<b>Part - 1: General Specification</b>				
1.	Nomenclature	Animal Transporter for Transportation of Cattle		
2.	Name and complete address of manufacturer	To be mentioned		
3.	Name and complete address of principal	To be mentioned		
4.	Name and complete address of local agent	To be mentioned		
<b>Part - 2: Technical Specification</b>				
5.	Brand	To be mentioned		
6.	Make & model	To be mentioned		
7.	Country of origin	Gp B & C Countries		
8.	Country of manufacture			
9.	Country of assembly			
10.	Year of production	Not before the year of contract		
11.	Drive	RHD		
12.	Configuration (4 x 4 / 4 x 2)	To be mentioned		
13.	<b>Overall dimension</b>			
	a. Length	To be mentioned		
	b. Width	To be mentioned		
	c. Height	To be mentioned		
14.	<b>Truck specification</b>			
	a. Make & model	To be mentioned		
	b. Country of origin	Gp B & C Countries		
	c. Country of manufacture			
	d. Country of assembly			
	e. Kerb weight	To be mentioned		
	f. Payload capacity	Minimum 05 Ton		
	g. Gross vehicle weight (GVW)	To be mentioned		
	h. Wheel base	To be mentioned		
	i. Ground clearance	Minimum 250 mm		
	j. Angle of approach	20° Minimum		
	k. Angle of departure	20° Minimum		
	l. Tread front	To be mentioned		
	m. Tread rear	To be mentioned		
	n. Grade ability	Minimum 20°		
	p. Turning radius	Maximum 10 m		
	q. Cruising range	500 km (Minimum)		
	r. Fuel consumption	To be mentioned		
	s. Fuel tank capacity	To be mentioned		
	t. Fording Depth	To be mentioned		
15.	<b>Engine.</b>	Diesel engine		
	a. Operational ambient temperature	Should be able to run within -5° C to +50° C environmental temperature		
	b. Make & model	To be mentioned		
	c. Type	To be mentioned		
	d. Country of origin	Gp B & C Countries		
	e. Country of manufacturer			
	f. Country of assembly			
	g. Compression ratio	To be mentioned		
	j. Piston displacement	Minimum 5700 CC		
	k. Bore and Stroke	To be mentioned		
	l. Max output with rpm	240 HP (Minimum), rpm to be mentioned		
	m. Max Torque (Nm) with rpm	Minimum 1100 Nm with rpm to be mentioned		
	n. No of cylinder	Minimum 6 cylinder		
	p. Cooling system	Liquid cooled		
	q. Emission Standard	To be mentioned		
	r. Engine test bench report	During inspection engine test bench report (for mentioned model) which was prepared by manufacturer during production of engine at manufacturing factory must be produced and submitted to the PSI team for each model (duly signed and stamped by the manufacturer). Other engines (mentioning engine number) of the same model must be certified confirming the engine test bench report by the manufacturer (duly signed and stamped).		



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Item no.	Name of Goods or Related Services	Technical Specification and Standards	Tenderer's Response	Rmk
	s. Engine Life Expectancy Certificate.	Life expectancy of new engine up to 1 <sup>st</sup> overhauling mileage and hours to be mentioned (Certificate to be submitted by the Engine manufacturer)		
	t. Fuel Injection pump	To be mentioned		
16.	<b>Fuel system.</b>			
	a. Type of fuel	Diesel		
	b. Fuel consumption (per 100 km)	To be mentioned		
	c. Fuel tank capacity	To be mentioned		
17.	<b>Seating capacity of driver's cabin.</b>			
	a. Front row (For driver & 2 <sup>nd</sup> seater)	Two seats		
	b. Back row (For Passengers)	To be mentioned		
18.	<b>Transmission.</b>			
	a. Make & model	To be mentioned		
	b. Type	To be mentioned		
	c. Country of origin			
	d. Country of manufacturer	Gp B & C Countries		
	e. Country of assembly			
	f. Clutch	Details to be mentioned		
	g. No of gear	Minimum 5 forward and 1 reverse		
	h. All gear ratio	To be mentioned		
19.	<b>Transfer Case</b>			
	a. Type	To be mentioned		
	b. Make and Model	To be mentioned		
	c. Country of Origin			
	d. Country of Manufacturer	Gp B & C Countries		
	e. Country of Assembly			
20.	Power to weight ratio Hp/ton	To be mentioned		
21.	Steering	Power steering system		
22.	<b>Front axle.</b>			
	a. Type	Axle (Live/Dead) floating type is to be confirmed		
	b. Axle capacity	To be mentioned		
	c. Make & Model	To be mentioned		
23.	<b>Rear axle.</b>			
	a. Type	Axle (Full/Semi/Three quarter) floating type is to be confirmed		
	b. Axle capacity	To be mentioned		
	c. Make & Model	To be mentioned		
24.	<b>Chassis Frame</b>			
	a. Type	To be mentioned		
	b. Make & Model	To be mentioned		
	c. Dimension (Length, width, height and thickness of chassis frame)	To be mentioned. Diagram/catalogue to be provided		
	d. Chassis frame resistance to bending movement	The truck chassis must be capable to resist the bending movement of the truck with payload. The chassis will not be cracked/ fractured and no other defects will arise up to 10 years. (Chassis manufacturer's certificate to be provided with details calculation)		
	e. Country of origin, manufacturer and assembly	To be mentioned		
25.	<b>Suspension details.</b>			
	a. Front suspension	To be mentioned		
	b. Rear suspension	To be mentioned		
26.	<b>Brake system.</b>			
	a. Service brake	To be mentioned		
	(1) Front	To be mentioned		
	(2) Rear	To be mentioned		
	b. Parking brake	To be mentioned		
	c. Exhaust brake	To be mentioned		
	d. Emergency brake	To be mentioned		
	e. Any other brake (If available)	Details to be mentioned		
27.	<b>Tyre.</b>			
	a. Number of wheel	07 (02x front wheel, 04x rear wheel, 01x spare wheel)		
	b. Size of tyre	To be mentioned		
	c. Rim size	To be mentioned		
	d. Tyre type	Steel belted, Radial		
	e. Tyre brand	Bridgestone/Dunlop/Goodyear/Yokohama/Toyo/Uniroyal/Continental/Michelin/Folda/Firestone/Armstrong/AMTEL/Pirelli/Hankook/Kumho/OEM Brand		
	f. Country of origin, manufacturer and assembly	USA, Japan, EU Countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore Thailand, South Korea, India and OEM		
	g. Thread pattern	ND, GG & CC		

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Item no.	Name of Goods or Related Services	Technical Specification and Standards	Tenderer's Response	Rmk
28.	<b>Electric system.</b>			
	a. Volt	12/24 V		
	b. No of battery( Volt & Ah)	To be mentioned		
	c. Alternator	Volt & Amp to be mentioned		
	d. Starter	Volt & KW to be mentioned		
29.	Main body or cattle cabin space	a. Sufficient spaces available for animals b. Length (Minimum 7300 mm) c. Width (Minimum 2400 mm) d. Height (Minimum 1800 mm)		
30.	Loading & unloading system	Details to be mentioned		
31.	Windows details (for driver's cabin)	Standard size sliding glass window on both sides		
32.	Tools (For each vehicle)	a. Wheel ranch - 1Set b. Tyre lever - 1Set c. Hydraulic jack (5 Ton) - 1Set d. Grease gun - 1No e. Pliers - 1Set f. Adjustable ranch - 1Set g. Set of spanners - 1Set h. Hammer - 1No j. Wooden hammer - 1No k. Tool box (Briefcase Type) - 1 No l. Any other (if available)		
33.	<b>Lighting System</b>			
	a. Brake lights	Details to be mentioned		
	b. Parking lights	Details to be mentioned		
	c. Indicator lights with alarm	Details to be mentioned		
	d. Head light	Details to be mentioned		
	e. Fog light	Details to be mentioned		
	f. Hand brake light	Details to be mentioned		
	g. Roof mounted flash light	Details to be mentioned (have to be functional with the electric generator)		
	h. Any other (if available)	To be mentioned		
34.	<b>Gauges</b>			
	a. Battery temperature	To be mentioned		
	b. Engine temperature	To be mentioned		
	c. Ambient temperature	To be mentioned		
	d. Any other (if available)	To be mentioned		
	Any Other power source/solar panel (If available)	Details to be mentioned		
35.	<b>Accessories to be provided with each vehicle</b>			
	a. Towing hooks front - 02 Nos	To be provided		
	b. Pintle hooks military pattern at rear - 01 No	To be provided		
	c. Fog lamp at front - 02 Nos	To be provided		
	d. Mark lamp at front & rear - 04 Nos	To be mentioned		
	e. 01x Fire Extinguisher ABC & E type with chemical and brackets to be provided (Capacity and origin to be mentioned)	To be provided		
	f. Standard tools with box - 01 set	To be provided		
	g. Sun visor - 02 Nos	To be provided		
	h. Spare wheel lifting facility	To be provided		
	j. Tyre Inflation kit and hose with adapter & nozzle - 25 m	To be provided		
	k. Winch (Recovery)	To be provided. Capacity of winch, length and diameter of rope to be mentioned		
36.	<b>Colour</b>	MB green (non-shining) nitro cellulose based DUCO paints		
37.	<b>POL Information:</b> The following information must be submitted with the offer			
	a. Details maintenance schedule of vehicle & engine	To be provided		
	b. Grade of diesel used in vehicle	To be mentioned		
	c. Grade of diesel to be used in Bangladesh	To be mentioned (should be compatible with the available grade of Bangladesh)		
	d. Grade of engine oil used in vehicle	To be mentioned		
	e. Grade of engine oil used in Bangladesh (BD)	To be mentioned (should be compatible with the available grade of Bangladesh)		
	f. Grade of gear oil used in vehicle	To be mentioned		
	g. Grade of gear oil to be used in Bangladesh (BD)	To be mentioned (should be compatible with the available grade of Bangladesh)		
38.	<b>Terms and Condition.</b>			
	a. Authorization certificate for principal by manufacturer	To be provided		
	b. Authorization certificate in favour local agent by the principal	To be provided		
	c. After sales service (Minimum 05 years)	Certificate To be provided		

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Item no.	Name of Goods or Related Services	Technical Specification and Standards	Tenderer's Response	Rmk
	d. Model validity	Minimum 10 years		
	e. Provision of supply of spare parts	Minimum 15 years		
<b>Part - 3: Training Requirements</b>				
39.	a. User training	To be provided (As per requirement of user/ sponsor directorate)		
	b. Operation, repair and maintenance training	To be provided (As per requirement of Electrical and Mechanical Engineers directorate and user/sponsor directorate)		
	c. Inventory/Equipment management training	To be provided (As per requirement of Ordnance directorate)		
<b>Part - 4: Repair and Maintenance Requirement (Include List of Spares/Manuals/Parts and Catalogues)</b>				
40.	<b>Publication.</b> (For each vehicle)			
	a. Owner's/Operator's manual in English (Book type)	To be provided		
	b. Workshop/Repair manual in English (Book type)	To be provided		
	c. 100% updated master spare parts catalogue in English (Book type)	To be provided (As per requirement of Electrical and Mechanical Engineers directorate)		
	d. Complete and Updated Master Spare Parts Price Catalogue/List in English (Book Type) including Soft Copy	To be provided (Electrical and mechanical engineers directorate will select necessary spare parts list from this catalogue)		
41.	Name of goods or related services	Technical Specification and Standards		
<b>Part - 5: List of Spares</b>				
42.	List of standard tool & accessories with value	To be provided		
43.	List of 5% fast and slow moving spares with quantity and value	To be provided		
<b>Part - 6: Inspection and Acceptance Criteria</b>				
44.	Analyser, measuring & testing/fault finding and diagnostic set (with software up gradation and software code facility for 10 years from the sign of contract) (if available)	To be provided (As per requirement of electrical and mechanical engineers directorate)		
45.	Special service tools with list and quantity (SST)	List to be provided with the offer/evaluation stage (Electrical and mechanical engineers directorate will select necessary items)		
46.	Special service materials with list and quantity (SSM)	List to be provided with the offer/evaluation stage (Electrical and mechanical engineers directorate will select necessary items)		
47.	Any Other Requirement Deemed Necessary	Every compartment should have humidifier with control panel to control the humidity		
48.	<b>Other information</b>			
	a. Use of the item by defence service	To be mentioned		
	b. No of clients/countries using the items/equipment.	To be mentioned		
	c. Yearly production volume	To be mentioned		
	d. Independent production capability of spares in own factory and degree of maintenances support assurances	To be mentioned		
	e. Line of maintenances facilities of establishment available in Bangladesh	To be mentioned		
	f. Principal/manufacturer whether having both production and assembly line or not	To be mentioned		
	g. Research and development (R&D) facilities of the company/firm/manufacturer	To be mentioned		
<b>Part - 7: Financial Specification</b>				
49.	Financial Implication/Specification	To be mentioned		

