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06 Magh 1432

06.06.0000.221.Re-Eval (Motor Grader).25(P-2&3)

20 January 2026

RE-EVALUATION OF MOTOR GRADER

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.01.15.01.26/2 dated 15 January 2026 (Not to all).

1. It is to inform you that Bangladesh Army is planning to procure **Motor Grader**. Bangladesh Army needs to standardize more models for the equipment. Therefore, interested firms are requested to provide necessary offers, brochures, catalogues, technical/training/operational/maintenance manuals and other necessary documents etcetera (each in duplicate) for the standardization of the said equipment. The detailed information/documents have to be sent directly to **Army Headquarters, Engineer in Chief's Branch, Engineer Directorate, E-mail: engrdte@army.mil.bd by 25 January 2026** with an intimation to this Directorate General please. Please note that, the offered models should be compatible with preliminary specification attached as Annex A to this letter. Short fall of any information will disqualify the offer. Also, kindly be requested to provide enlistment certificate of DGDP along with the technical offer.

2. Your co-operation will be highly appreciated.



SHEULY AKTER
Lieutenant Colonel
For Director General

Enclosure:

1. Preliminary Specification of Motor Grader-05 (Five) pages Only.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

Information:

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

Army Headquarters, Engineer in Chief's Branch (Coordination)

Army Headquarters, Engineer in Chief's Branch, Engineer Directorate

Army Headquarters, Master General of Ordnance Branch, Ordnance Directorate

Internal:

Action:

IT Section - (For flashing on DGDP web site).

Notice Board

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AHQ. E IN C'S BR (ENGR DTE)

LTR NO. 23.01.901.055.02.192.01.15.01.26

DT: 15 JAN 2026

PRELIMINARY TECHNICAL SPECIFICATION OF MOTOR GRADER

Ser	Description	Required Technical Specification	Remarks
<u>Part-1: General Specification</u>			
1.	Name of the Equipment	Motor Grader	
2.	Name and Complete Address of the Local Agent (Address, Telephone, Fax, E-mail and website)	To be mentioned	
3.	Name and Complete Address of the Manufacturer (Address, Telephone, Fax, E-mail and website)	To be mentioned	
4.	Name and Complete Address of the Principal (Address, Telephone, Fax, E-mail and website)	To be mentioned	
5.	Make & Model	To be mentioned	
6.	Country of Origin	To be mentioned	
7.	Country of Assembly	To be mentioned	
8.	Country of Manufacturer		
9.	Year of Production	Not before the year of contract	
<u>Part-2: Technical Specification</u>			
10.	Moldboard		
	a. Type	To be mentioned	
	b. Make and Model	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Blade Length	Minimum 3650 mm	
	e. Blade Height	Minimum 550 mm	
	f. Arc Radius	To be mentioned	
	g. Blade Thickness	To be mentioned	
	h. Cutting Edge Thickness	To be mentioned	
	j. End Bits Thickness	To be mentioned	
	k. Side Shift, RH/LH	Hydraulic	
	l. Circle Rotation	360°	
	m. Maximum Blade Position Angle	90°	
	n. Blade Pitch	Minimum 25°	
	p. Maximum Lift above Ground	To be mentioned	
	q. Maximum Cutting Depth	To be mentioned	
11.	Scarifier		
	a. Type & Location	To be mentioned	
	b. Make and Model	To be mentioned	
	c. Country of Origin	To be mentioned	

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Ser	Description	Required Technical Specification	Remarks
	d. No of teeth	To be mentioned	
	e. Working width	Minimum 1060 mm	
	f. Scarifying Depth	Minimum 220 mm	
	g. Shanks Holders	To be mentioned	
	h. Shanks Holder Spacing	To be mentioned	
	j. Weight	To be mentioned	
	k. Any Other Related Information	To be mentioned	
12.	Overall Dimension		
	a. Length of Basic tractor	To be mentioned	
	b. Width, Rear Tires Center Line	To be mentioned	
	c. Width, Outside Tires	To be mentioned	
	d. Length with Blade	To be mentioned	
	e. Width with blade	To be mentioned	
	f. Width without blade	To be mentioned	
	g. Height, High Profile Cab	To be mentioned	
	h. Height Beacon Light Mounted	To be mentioned	
	j. Height to Exhaust Pipe	To be mentioned	
13.	Weight		
	a. Gross Vehicle Weight in Kg	To be mentioned	
	b. Operating Weight in Kg	To be mentioned	
14.	Minimum Ground Clearance	To be mentioned	
15.	Minimum Turning Radius	Maximum 8 m	
16.	Gradeability	Minimum 20°	
17.	Maximum Traveling Speed	Forward – To be mentioned Reverse – To be mentioned	
18.	Hydraulic Pressure	To be mentioned	
19.	Wheel Base	To be mentioned	
20.	Tread		
	a. Front	To be mentioned	
	b. Rear	To be mentioned	
21.	No of Wheel with spare	Minimum 6 Numbers	
22.	Engine		
	a. Make & Model	To be mentioned	
	b. Type of Engine	Diesel Engine with Turbocharged	
	c. Country of Origin	To be mentioned	
	d. Country of Assembly	To be mentioned	
	e. Country of Manufacturer		
	f. Rated Horse Power with rpm	Minimum 125 HP @ rpm	
	g. Year of Production	Not before the year of contract	
	h. Number of cylinder	Minimum 6 Cylinder	
	j. Bore and Stroke	To be mentioned	
	k. Minimum Torque with rpm	To be mentioned	
	l. Displacement	Minimum 4.80 liters	
	m. Fuel System	To be mentioned	
	n. Fuel Tank Capacity	To be mentioned	
	p. Type of Fuel	Diesel	

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Ser	Description	Required Technical Specification	Remarks
	q. Engine test bench certificate	During Pre-shipment Inspection Engine Test Bench Report (for each model) which was prepared by manufacturer during production of engine at factory premises must be produced and submitted to the PSI team (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)	
23.	Air Cleaner	To be mentioned	
24.	Cooling System	Water cooled	
25.	Electric System		
	a. Volt	To be mentioned	
	b. Battery (Volt & Ah)	Volt & Ah to be mentioned	
	c. Alternator (Volt & Amp)	Volt & Amp to be mentioned	
	d. Starter (Volt & Kw)	Volt & KW to be mentioned	
26.	Light System	Headlight, Turn Signal, Tail, Stop, Work, Backup and other standard accessories to be provided	
27.	Transmission		
	(a) Make & Model	To be mentioned	
	(b) Country of origin	To be mentioned	
	(c) Country of Manufacturer	To be mentioned	
	(d) Country of Assembly		
	(e) Year of production	Not before the year of Contract	
	(f) No of Gear/Type	To be mentioned	
28.	Axle		
	(a) Number of axle	To be mentioned	
	(b) Axle drive	To be mentioned	
	(c) Country of origin	To be mentioned	
	(d) Country of manufacture	To be mentioned	
	(e) Year of production	Not before the year of contract	
	(f) Type of front axle	Details to be mentioned	
	(g) Type of Rear axle	Details to be mentioned	
29.	Brake System		
	a. Service Brake		
	b. Parking Brake	Details to be mentioned	
	c. Any other brake		
30.	Steering System	To be mentioned	
31.	Tyre		
	a. Tyre Size front & rear	To be mentioned	

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Ser	Description	Required Technical Specification	Remarks
	b. Brand	Bridgestone/Dunlop/Goodyear/Yokohama/Toyo/ Uniroyal/ Continental/Folda/Michelin/Firestone/ Armstrong/AMTEL, Pirelli and OEM (Original Equipment Manufacturer)	
	c. Tyre Country of Origin	USA, Japan, EU countries, Russia, Brazil, Indonesia, Malaysia, Philippines, Singapore, Thailand and OEM Country	
	d. Type of Pattern	ND, GG & CC Earth mover tyre	
	e. Rim Size Front & Rear	To be mentioned	
32.	ROPS Cab/Canopy	Cab with ROPS to be provided	
33.	Standard Accessories	Details List to be submitted	
34.	Standard Tools	Details List to be submitted	
35.	<u>Petrol Oil & Lubricant (POL) Information</u>	The following information must be submitted with the offer:	
	a. Detail maintenance schedule of vehicle and engine	Information to be submitted in compatible with Bangladesh Army	
	b. Grade of diesel used in vehicle		
	c. Type of engine oil (equivalent grade) used in vehicle		
	d. Type of gear oil (equivalent grade) used in vehicle		
36.	Colour	As per tender requirement	
37.	Performance to ISO Certificate or Similar Rating	To be provided by the manufacturer	
38.	Operational Temperature	-5°C to + 55°C	
39.	Maintenance	Details to be mentioned	
<u>Part-3: Training Requirement</u>			
40.	a. User Trg	To be provided (As per requirement of Engr Dte)	
	b. Op, repair and maint Trg	To be provided (As per requirement of EME Dte)	
	c. Eqpt mgt Trg	To be provided (As per requirement of Ord Dte)	
<u>Part-4: Repair and Maintenance Requirement Less List of Spares</u>			
41.	a. Books & Publications		
	(1) Owners/Operations Manual in English (Book Type including CD/DVD)	To be provided (As per requirement of EME Dte)	
	(2) 100% Updated Master Spare Parts Catalogue in English (Book Type including CD/DVD)	To be provided (As per requirement of EME Dte)	

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Ser	Description	Required Technical Specification	Remarks
	(3) Complete and Updated Master Spare Parts price Catalogue in English (Book Type including CD/DVD)	To be provided (As per requirement of EME Dte)	
	(4) Workshop/Repair Manual in English (Book Type)	To be provided (As per requirement of EME Dte)	
Part-5: List of Spares			
42.	List of Fast and Slow Moving Spare Parts	To be provided (As per requirement of EME Dte)	
Part-6: Tool List for Different Level of Maintenance			
43.	a. Analyzer, measuring & testing/Fault finding and diagnostic set	To be provided (As per requirement of EME Dte)	
	b. Special Service Tools (SST)	To be provided (As per requirement of EME Dte)	
	c. Special Service Materials (SSM)	To be provided (As per requirement of EME Dte)	
44.	Certificate on spare parts availability in Bangladesh	Certificate to be submitted from manufacturer	
45.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
46.	List and certificate of local after-sales-service workshop in Bangladesh who can provide spares of the equipment readily	To be confirmed by the manufacturer as the technical requirement	
47.	Detailed address of after-sales-service workshop in Bangladesh	Details address to be mentioned	
48.	Location of Stage Inspection/ Pre-Shipment Inspection	Stage inspection/Pre-Shipment Inspection with address of respect of major components (manufacturing plant/assembly plant or in both)	
49.	Note: Following information's/documents to be supplied along with the offer:		
	a. Details of working principle	Details mentioned in the operation manual	
	b. Functional/Users training in country to be provided by foreign/Local expert	Functional/user training in country will be provided by Tadano trained Local expert/ engineers	
	c. Provision of supply of major spares for minimum 10 years	Certificate to be submitted	
	d. Provision of supply fast and slow moving spares for minimum 15 years	Certificate to be submitted	
	e. Model validity in years (minimum 10 years)	Certificate to be submitted	
	f. Any other relevant technical information may also be enclosed	To be mentioned	
Part-7: Financial Specification			
50.	Financial requirement	To be provided (As per requirement of Ord Dte)	