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20 July 2017

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**RE-EVALUTION OF TRACKED DOZER MEDIUM (UNDER 200 HP)**

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.03.12.07.17/Tr Dozer (Under 200 HP) dated 16 July 2017.

It is to inform you that standardization of suitable models of **Tracked Dozer Medium (Under 200 HP)** for adoption in Bangladesh Army is under process. Therefore, all interested Firms/Suppliers are requested to forward necessary offer, brochures, catalogues, technical/training/operational/maintenance manuals and price list etcetera (each in duplicate) against each model directly to AHQ, E-in-C's Branch, Engineer Directorate by 25 July 2017. Offered models should be compatible with specification attached with this letter. Lack of any information will disqualify the offer.



SYED ASHIQUL ISLAM  
Major  
For Director General

Enclosure:

1. 02 Pages Technical Specification.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

Information:

Army Headquarters  
E-in-C's Branch  
Engineer Directorate

Internal:

Action:

IT Section - (For sending to enlisted Supplier/Firm with DGDP through email).

Notice Board

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**TECHNICAL SPECIFICATION OF TRACKED DOZER MEDIUM (UNDER 200 HP)**  
**(Approved in General Staff Policy Committee Meeting 2/2013)**

Ser	Description	Required Technical Specification	Remarks
1.	Name of the Equipment	<b>Tracked Dozer Medium (Under 200 HP)</b>	
2.	Name and Complete Address of the Local Agent	To be mentioned	
3.	Name and Complete Address of the Manufacturer	To be mentioned	
4.	Name and Address of the Principal	To be mentioned	
5.	Make & Model	To be mentioned	
6.	Country of Origin	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
7.	Country of Manufacturer	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
8.	Country of Assembly	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
9.	Year of Production	Maximum 1 year before the contract	
10.	<b>Overall Dimension (LxWxH)</b>		
	a. Length with blade	Minimum 5000 mm	
	b. Length of basic equipment	Minimum 3800 mm	
	c. Width with blade	Minimum 3600 mm	
	d. Width without blade	Minimum 2350 mm	
	e. Height	Minimum 3100 mm	
11.	Operating weight	Minimum 18000 Kg	
12.	Minimum Ground Clearance	Minimum 350 mm	
13.	Gradeability	Minimum 30°	
14.	Minimum Turning radius	Maximum 6 m	
15.	<b>Blade</b>		
	a. Type	Angling and Tilting	
	b. Make and Model	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Length	Minimum 3600 mm	
	e. Height	Minimum 1100 mm	
	f. Ground Clearance	Minimum 1100 mm (Maximum lift above ground)	
	g. Depth of Cut/digging depth	Minimum 450 mm	
	h. Capacity	Minimum 3.55 m <sup>3</sup>	
	j. Blade angle	25°	
16.	<b>Track</b>		
	a. Country of Origin	To be mentioned	
	b. No of Shoe (Each side)	Minimum 39 Nos	
	c. Width of Shoe	Minimum 500 mm	
	d. No of roller (Each side)	Minimum 6 Nos	
	e. Length of track on ground	Minimum 2600 mm	
	f. Track gauge	Minimum 1875 mm	
	g. Ground contact area in respect of width of shoes	Minimum 2.70 m <sup>2</sup>	

Ser	Description	Required Technical Specification	Remarks
17.	<b>Engine</b>		
	a. Make & Model	To be mentioned	
	b. Type	4 stroke, water cooled, diesel engine	
	c. Country of Origin	USA, Canada, UK, Austria, Belgium, Denmark, Finland, Germany, France, Hungary, Italy, Ireland, Netherlands, Sweden, Norway, Switzerland, Spain, Japan, Australia, Turkey and South Korea	
	d. Year of Production	Maximum 1 year before the contract	
	e. Rated horse power with rpm	170-199 HP @ rpm to be mentioned	
	f. Minimum Torque at rated rpm	Minimum 790 N-m @ minimum 1100 rpm	
	g. No of Cylinder	Minimum 6 cylinder	
	h. Bore and stroke	Minimum 100 mm x 130 mm	
	j. Displacement	Minimum 6.5 liters	
	k. Combustion System	Direct Injection	
	l. Engine test bench certificate	To be provided during inspection of equipment	
18.	Cooling System	Water Cooled	
19.	Fuel tank capacity	Minimum 350 Liters	
20.	<b>Electric System</b>		
	a. Volt	24 Volt	
	b. Battery	2x12 Volt & Ah to be mentioned	
	c. Alternator	24 Volt & Amp to be mentioned	
	d. Starter (V, Kw)	24 Volt & Kw to be mentioned	
21.	Lighting system	Head light, Turn signal, work & backup light and other related accessories	
22.	<b>Transmission</b>		
	a. Type	Hydraulic power Transmission	
	b. Maximum Speed	(1) Forward 10-12 km/h (2) Reverse 12-15 km/h	
23.	Steering System	Wet multi disc or equivalent	
24.	Hydraulic System	Details to be mentioned	
25.	<b>Brake system</b>		
	a. Service Brake	To be mentioned	
	b. Parking Brake	To be mentioned	
26.	Cab	Cab with ROPS to be provided	
27.	Colour	As per tender requirement	
28.	Optional Item	Winch variable speed (If required) (Details of winch to be mentioned, Winch Make & Model, Country of Origin, Drum Dia, Rope Dia and Length)	
29.	Details of POL used in the equipment	Diesel	
30.	Lights and Gauges	Necessary lights and gauges include hour meter will be provided to make the equipment fully operation	
31.	List of Standard Tools	Details list to be provided	
32.	List of Standard Accessories	Details list to be provided	
33.	ISO Certificate or Similar Rating	ISO certificate must be provided by the manufacturer	
34.	Operational Temperature	-5°C to + 55°C	
35.	Maintenance	Details to be mentioned	

Note: Following information's/documents to be supplied along with the offer:

- Details of working principle.
- Functional/Users training in country to be provided by foreign/Local expert.
- Provision of supply of major spares for minimum 10 years.
- Provision of supply fast and slow moving spares for minimum 10 years.
- Model validity in years (minimum 10 years).
- List of spares, Special Service Tools (SST)/Special Service Material (SSM)
- Any other relevant technical information may also be enclosed.