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15 Magh 1431

29 January 2025

06.06.0000.221.Re-Eval TD(Heavy).25(P-2&3)

RE-EVALUATION OF TRACKED DOZER (HEAVY)

Reference:


A. Army Headquarters, Engineer in Chiefs Branch, Engineer Directorate letter number 23.01.901.055.02.192.01.22.01.25 dated 23 January 2025 (Not to all).

1. It is to inform you that Bangladesh Army is planning to procure **Tracked Dozer (Heavy)**. Bangladesh Army needs to standardize more models for the subject equipment. Therefore, interested firms are requested to provide necessary offers, brochures, catalogues, technical/ training/operational/ maintenance manuals 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, mail: engrdte@army.mil.bd by 06 February 2025** with an intimation to this Directorate General please. Please note that, the offered models should be compatible with updated technical 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 offer.

2. Following models of the said equipment were standardized. You are requested to provide following information/documents against the models:

Serial	Make & Model	Local Agent	Remarks
1.	Make: Liebherr & Model: PR746	M/S Petrola Trading Corporation	a. Current production status Certificate from principal/ manufacturer along with seal & signature (If no longer in production) or
2.	Make: Caterpillar & Model: D7	M/S Pace Solution	
3.	Make: Rhino & Model: RD36	M/S Taj & Company	
4.	Make: Komatsu & Model: D155A-6	M/S Three A Enterprise	b. Any amendment from the enclosed updated technical specification or c. Confirming the compliance of existing standardized model with the updated technical specification.

3. Your co-operation will be highly appreciated.


 MD ZAHIDUL KABIR
 Major
 For Director General

Enclosure:

1. Technical Specification of Tracked Dozer (Heavy)-05 (Five) pages Only.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

Information:

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

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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

ANNEX A**DGDP LETTER NO****06.06.0000.221.RE-EVAL****TD(HEAVY).25(P-2&3)****DATED: 29 JANUARY 2025****TECHNICAL SPECIFICATION OF TRACK DOZER (HEAVY)**
(BLADE WIDTH 5M AND ABOVE)

Ser	Description	Required Technical Specification	Remarks
<u>Part-1: General Specification</u>			
1.	Name of the Equipment	Track Dozer (Heavy)	
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 Address of the Principal (Address, Telephone, Fax, E-mail and website)	To be mentioned	
5.	Make & Model	To be mentioned	
6.	Country of Origin	Group A Country	
7.	Country of Manufacturer	Group A and B Country	
8.	Country of Assembly		
9.	Year of Production	Not before the year of contract	
<u>Part-2: Technical Specification</u>			
10.	<u>Overall Dimension (LxWxH)</u>		
	a. Length with blade	Minimum 6000 mm	
	b. Length of basic equipment	Minimum 4500 mm	
	c. Width with blade	Minimum 3600 mm	
	d. Width without blade	Minimum 2500 mm	
	e. Height	To be mentioned	
11.	Operating weight	Minimum 30000 Kg	
12.	Ground Clearance	Minimum 400 mm	
13.	Gradeability	Minimum 30 ^o	
14.	Turning radius	Maximum 6 m	
15.	<u>Blade</u>		
	a. Type	Angling and Tilting	
	b. Make and Model	To be mentioned	
	c. Country of Origin	To be mentioned	
	d. Length	Minimum 3600 mm	
	d. Width	5000 mm and above	
	e. Height	Minimum 1100 mm	
	f. Ground Clearance	Min 1100 mm (Max lift above ground)	
	g. Depth of Cut/digging depth	Minimum 550 mm	

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Ser	Description	Required Technical Specification	Remarks
	h. Blade Capacity	Minimum 5 m³	
	j. Blade angle	25 ⁰	
	k. Maximum Tilt	Minimum 450 mm	
	l. Blade Operation	Details to be mentioned	
16.	Track		
	a. Country of Origin	Group A Country	
	b. No of Shoe (Each side)	Minimum 40 Nos	
	c. Width of Shoe	Minimum 550 mm	
	d. No of roller (Each side)	Minimum 7 Nos	
	e. Length of track on ground	Minimum 2900 mm	
	f. Track gauge	Minimum 1900 mm	
	g. Ground contact area in respect of width of shoes	Minimum 3.5 m ²	
17.	Engine		
	a. Make & Model	To be mentioned	
	b. Type	4 stroke, water cooled, diesel engine	
	c. Country of Origin	Group A Country	
	d. Country of Manufacturer	Group A and B Country	
	e. Country of Assembly		
	f. Year of Production	Not before the year of contract	
	g. Rated horse power with rpm	Minimum 251 HP and above and rpm to be mentioned	
	h. Minimum Torque at rated rpm	To be mentioned	
	j. Number of Cylinder	Minimum 6 Cylinder	
	k. Bore and stroke	To be mentioned	
	l. Displacement	To be mentioned	
	m. Combustion System	Direct Injection	
	n. Cooling System	Water Cooled	
	p. Engine test bench certificate	Engine test bench report which was prepared by manufacturer during production of engine at manufacturing factory must be produced and submitted to the PSI team for each model. 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)	
18.	Fuel tank capacity	Minimum 450 Liters	
19.	Electric System		
	a. Volt	24 Volt	
	b. Battery (Volt & Ah)	2x12 Volt & Ah to be mentioned	

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Ser	Description	Required Technical Specification	Remarks
	c. Alternator (Volt & Amp)	24 Volt & Amp to be mentioned	
	d. Starter (Volt & Kw)	24 Volt & Kw to be mentioned	
20.	Lighting system	Head light, Turn signal, work & backup light and other related accessories	
21.	<u>Transmission</u>		
	a. Type	Hydraulic power Transmission	
	b. Make & Model	To be mentioned	
	c. Country of Origin	Group A Country	
	d. Country of Manufacturer	Group A and B Country	
	e. Maximum Speed (Forward & Reverse)	To be mentioned	
22.	Steering System	To be mentioned	
23.	<u>Hydraulic</u>		
	a. Hydraulic System	Details to be mentioned	
	b. Country of Origin	Group A Country	
	c. Country of Manufacturer	Group A and B Country	
24.	<u>Brake System</u>		
	a. Service Brake	To be mentioned	
	b. Parking Brake	To be mentioned	
25.	<u>Gear Box</u>		
	a. Type	Manual/Auto	
	b. No of Gear (Forward gear & Reverse Gear)	Details to be mentioned	
26.	Cab (Cabin)	Cab with ROPS to be provided	
27.	Colour	As per tender requirement	
28.	<u>Optional Item</u>	Price to be quoted separately	
	a. Winch variable speed (If required): (1) Details of winch to be mentioned (2) Winch Make & Model (3) Country of Origin (4) Drum Dia (5) Rope Dia (6) Rope Length	Detail to be mentioned	
29.	<u>Petrol Oil & Lubricant (POL) Information</u>	The following information must be submitted with the offer	
	a. Detail maintenance schedule of Equipment & Engine	Information to be submitted. The require Petrol Oil & Lubricant (POL) information to be submitted in compatible with Bangladesh Army	
	b. Grade of diesel used in Equipment		
	c. Type of Engine Oil used in Equipment		
	d. Type of gear Oil used in Equipment		
30.	Lights and Gauges	Necessary lights and gauges include hour meter will be provided to make the equipment fully operation	

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Ser	Description	Required Technical Specification	Remarks
31.	List of Standard Tools	Details Standard Tools list to be provided	
32.	List of Standard Accessories	Details Standard Accessories list to be provided	
33.	ISO Certificate or Similar Rating	ISO certificate to be provided by the manufacturer	
34.	Operational Temperature	-5 ^o C to +55 ^o C	
35.	Maintenance	Details to be mentioned	
<u>Part-3: Training Requirement</u>			
36.	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>			
37.	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)	
	(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)	
<u>Part-5: List of Spares</u>			
38.	List of Fast and Slow Moving Spare Parts	To be provided (As per requirement of EME Dte)	
<u>Part-6: Tool List for Different Level of Maintenance</u>			
39.	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)	
40.	Certificate on spare parts availability in Bangladesh	Certificate to be submitted from manufacturer	

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Ser	Description	Required Technical Specification	Remarks
41.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
42.	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	
43.	Detailed address of after-sales-service workshop in Bangladesh	Details address to be mentioned	
44.	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)	
45.	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. List of spares, Special Service Tools (SST)/Special Service Material (SSM)	To be provided (As per requirement of EME Dte)	
	g. Any other relevant technical information may also be enclosed	To be mentioned	