

Directorate General Defence Purchase
Ministry of Defence
New Airport Road
Tejgaon, Dhaka-1215
Telephone: Military- 5040
Civil - 48116909
E-mail: adp7army1@gmail.com

15 Magh 1431

06.06.0000.221.Re-Eval WL(Med).25(P-2&3)

29 January 2025

RE-EVALUATION OF WHEEL LOADER (MEDIUM)

Reference:

A. Army Headquarters, Engineer in Chiefs Branch, Engineer Directorate letter number 23.01.901.055.02.192.01.22.01.25/6 dated 23 January 2025 (Not to all).

1. It is to inform you that Bangladesh Army is planning to procure **Wheel Loader (Medium)**. 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: Komatsu & Model: Komatsu WA 250-5	M/S Three A Enterprise	a. Current production status Certificate from principal/ manufacturer along with seal & signature (If no longer in production) or b. Any amendment from the enclosed updated technical specification or c. Confirming the compliance of existing standardized model with the updated technical specification.
2.	Make: Doosan Infracore Co. Ltd & Model: DL200A	M/S Saif Optolinks	
3.	Make: VENIERI & Model: 11.63	M/S Vision Poly Tech	
4.	Make: Palazzani & Model: PL1105	M/S Zara Trading	
5.	Make: CUKOROVA & Model: Wheel Loader 940	M/S ARRA Technologies Ltd	
6.	Make: Caterpillar & Model: 924K	M/S Pace Solution	
7.	Make: Weycor & Model: AR660	M/S Perisco International	
8.	Make: SANY & Model: SW305K	M/S Saana Corporation	

3. Your co-operation will be highly appreciated.



MD ZAHIDUL KABIR
Major
For Director General

Enclosure:

1. Technical Specification of Wheel Loader (Medium)-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, Engineer Directorate

Army Headquarters, Master General of Ordnance Branch, Ordnance Directorate

Internal:

Action:

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

Notice Board

FOR OFFICIAL USE ONLY

ANNEX A
DGDP LETTER NO
06.06.0000.221.RE-EVAL WL(MED).25(P-2&3)
DATED: 29 JANUARY 2025

TECHNICAL SPECIFICATION OF WHEEL LOADER (MEDIUM)
GSPC-8/2013 & 9/2019

Ser	Description	Required Technical Specifications	Remarks
(a)	(b)	(c)	
1.	Name of the Equipment	Wheel Loader (Medium)	
2.	Name and Complete address of local agent (Address, Telephone, Fax, E-mail and website)	To be mentioned	
3.	Name and Complete address of Manufacturer (Address, Telephone, Fax, E-mail and website)	To be mentioned	
4.	Name and Complete address of Principal (Address, Telephone, Fax, E-mail and website)	To be mentioned	
5.	Make and Model	To be mentioned	
6.	Country of Origin	Group A Countries	
7.	Country of Assembly	Group A & B Countries	
8.	Country of Manufacture		
9.	Year of Production	Not before the year of contract	
10.	Drive	4 Wheel Drive	
11.	<u>Overall Dimension</u>		
	a. Length	Minimum 7000 mm	
	b. Width	Minimum 2300 mm	
	c. Height	Minimum 3100 mm	
12.	Operating weight	Minimum 10 ton	
13.	Wheel base	Minimum 2800 mm	
14.	Ground clearance	Minimum 350 mm	
15.	Turning radius (outside)	Maximum 6500 mm	
16.	Gradeability	Minimum 30 degree	
17.	Tipping load	Minimum 6000 kg	
18.	Dump Clearance/ Height	Minimum 2700 mm	
19.	<u>Bucket (with Teeth)</u>		
	a. Loading Capacity	1.3 to smaller than 2.5 cubic m	
	b. Number of teeth	To be mentioned	
	c. Width	Minimum 2500 mm	
	d. Excavating Depth (Horizontal Position)	Minimum 60 mm	
	e. Roll back angle	Minimum 40 ⁰	
	f. Angle of Dump	Minimum 45 ⁰	
	g. Payload	To be mentioned	

FOR OFFICIAL USE ONLY

Ser	Description	Required Technical Specifications	Remarks
	h. Break out force	To be mentioned	
20.	Engine		
	a. Make and Model	To be mentioned	
	b. Type	4 Stroke, Diesel Engine	
	c. Country of Origin	Gp A Countries	
	d. Country of Manufacturer	Gp A and B Countries	
	e. Country of Assembly		
	f. Year of production	Not before the year of contract	
	g. Rated Horse Power (HP) with rpm	Minimum 131-200 Horse Power @ rpm to be mentioned	
	h. Maximum Torque with rpm	Minimum 600 N-m @ rpm to be mentioned	
	j. Number of Cylinder	Minimum 6 cylinder	
	k. Bore and Stroke	Minimum 95 mm x 120 mm	
	l. Displacement	Minimum 5.5 Liters	
	m. Combustion system	To be mentioned	
	n. Cooling system	Water cooled	
	p. Type of fuel	Diesel	
	q. Fuel consumption	To be mentioned	
	r. Engine test bench certificate	During insp 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 team (duly signed and stamped by the manufacturer). Other engine (mentioning engine number) of the same model must be certified by the manufacturer (duly signed and stamped).	
21.	Fuel tank capacity	Minimum 180 Liter	
22.	Travel speed	Minimum 30 Kilometer/ hour	
23.	Steering	Details to be mentioned	
24.	Hydraulic System		
	a. Hydraulic System	Details to be mentioned	
	b. Country of Origin	Gp A Country	
	c. Country of Manufacturer	Gp A & B Country	
25.	Transmission		
	a. Make & Model	To be mentioned	
	b. Country of Origin	Gp A Country	
	c. Country of Manufacturer	Gp A & B Country	
	d. Speed		
	(1) Forward	Details to be mentioned	
	(2) Reverse	Details to be mentioned	

FOR OFFICIAL USE ONLY

Ser	Description	Required Technical Specifications	Remarks
26.	<u>Axle</u>		
	a. Type of Axle	To be mentioned	
	b. Country of Origin	To be mentioned	
	c. Country of Manufacturer	To be mentioned	
	d. Front	Details to be mentioned	
	e. Rear	Details to be mentioned	
27.	<u>Brake system</u>		
	a. Service brake	Details to be mentioned	
	b. Parking brake	Details to be mentioned	
28.	<u>Tyres</u>		
	a. Tyre Size	To be mentioned	
	b. Type brand	Bridgestone/Dunlop/Goodyear/ Yokohama/ Toyo / Uniroyal/ Continental/ Michelin/Folda/ Firestone/ Armstrong/ AMTEL/Pirelli/Hankook/ Kumho	
	c. Country of origin	Gp A Country	
	d. Country of Manufacturer	Gp A & B Country	
	e. Type of Pattern	ND, GG, CC earth mover tyre	
	f. Rim size	To be mentioned	
29.	<u>Electric System</u>		
	a. Volt	24 Volt	
	b. Battery (Volt & Ah)	2 x 12 volt & AH to be mentioned	
	c. Alternator (Volt & Amp)	24 V & Amp to be mentioned	
	d. Starter (Volt & kw)	24 V & Kw to be mentioned	
30.	Lights and Gauges	All lights and Gauges include head light, Tail, Stop, Indicator, Work, Backup and other standard accessories to be provided	
31	Operator Compartments	Cab with ROPS to be provided	
32.	Colour	As per tender requirement	
33.	Standard Tools	Details standard tools list to be provided	
34.	Standard Accessories	Details standard accessories list to be provided	
35.	Operational Temperature	-5°C to + 55°C	
36.	Maintenance	Details to be mentioned	
37.	ISO Certificate or Similar Rating	ISO Cert to be provided by the manufacturer	
38.	Petrol Oil & Lubricant (POL) Information	The following information must be submitted with the offer:	
	a. Detail maintenance schedule of eqpt & Engine	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		

FOR OFFICIAL USE ONLY

Ser	Description	Required Technical Specifications	Remarks
<u>Part-3: Training Requirement</u>			
39.	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>			
40.	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>			
41.	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>			
42.	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)	
43.	Certificate on spare parts availability in Bangladesh	Certificate to be submitted from manufacturer	
44.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
45.	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	
46.	Detailed address of after-sales-service workshop in Bangladesh	Details address to be mentioned	
47.	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)	

FOR OFFICIAL USE ONLY

Ser	Description	Required Technical Specifications	Remarks
48.	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	