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

29 January 2025

RE-EVALUATION OF EXCAVATOR (MEDIUM) LONG BOOM (TRACK TYPE)

Reference:


A. Army Headquarters, Engineer in Chiefs Branch, Engineer Directorate letter number 23.01.901.055.02.192.01.22.01.25/5 dated 23 January 2025 (Not to all).

1. It is to inform you that Bangladesh Army is planning to procure **Excavator (Medium) Long Boom (Track Type)**. 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: Hidromek & Model: HMK300LCLR-2	M/S Ramco International	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: Hitachi & Model: ZX240LC-5G Type H18	M/S Perisco International	
3.	Make: Caterpillar & Model: 326	M/S Pace Solution	

3. Your co-operation will be highly appreciated.


 MD ZAHIDUL KABIR
 Major
 For Director General

Enclosure:

1. Technical Specification of Excavator (Medium) Long Boom (Track Type)-05 (Five) pages Only.

Distribution:

External:

Action:

(All Concerned Firm/Supplier)

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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

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

TECHNICAL SPECIFICATION OF EXCAVATOR (MEDIUM) LONG BOOM (TRACK TYPE)

Ser	Description	Required Technical Specification	Remarks
<u>Part-1: General Specification</u>			
1.	Name of the Equipment	Excavator (Medium) Long Boom (Track Type)	
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	Gp A Countries	
7.	Country of Assembly	Gp A and B Countries	
8.	Country of Manufacturer		
9.	Year of Production	Not before the year of contract	
<u>Part-2: Technical Specification</u>			
10.	<u>Overall Dimension (LxWxH)</u>		
	a. Length	To be mentioned	
	b. Width	To be mentioned	
	c. Height to top of boom	Maximum 3500 mm	
	d. Height to top of cab	Maximum 3300 mm	
11.	Operating weight	Maximum 40 Ton	
12.	Kerb Weight	To be mentioned	
13.	Counter Weight	To be mentioned	
14.	Gross vehicle weight	Maximum 40 Ton	
15.	Drive Position	To be mentioned	
16.	Grade ability	Minimum 30°	
17.	Ground clearance	Minimum 350 mm	
18.	<u>Working Dimension</u>		
	a. Boom Length	Minimum 10m	
	b. Digging Reach	To be mentioned	
	c. Digging Reach at Ground Level	Minimum 15 m	
	d. Digging Depth	To be mentioned	
	e. Digging Height	To be mentioned	
	f. Dumping Clearance/Height	To be mentioned	
	g. Vertical Digging Depth	To be mentioned	

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Ser	Description	Required Technical Specification	Remarks
19.	Bucket Capacity	0.4 to smaller than 1.3 cubic meter	
20.	Bucket teeth/cutting edge	Details to be mentioned	
21.	Bucket Digging Force	Minimum 150 KN	
22.	Arms/stick length	To be mentioned	
23.	Swing Parameter		
	a. Minimum Swing Radius	To be mentioned	
	b. Swing speed	To be mentioned	
	c. Swing angle	360 ⁰	
	d. Traveling speed	To be mentioned	
24.	Track		
	a. Make and Origin	To be mentioned	
	b. Total Number of Track shoe (Each side)	To be mentioned	
	c. Track shoe width	Minimum 500 mm	
	d. Track Gauge	Minimum 1980 mm	
	e. Ground contact Area	To be mentioned	
	f. Length of Track	Minimum 4000 mm	
25.	Engine		
	a. Make & model	To be mentioned	
	b. Type of Engine	4 Stroke, Diesel	
	c. Country of Origin	Group A Country	
	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 with rpm	151-250 HP with rated rpm to be mentioned	
	h. Torque with rpm	Minimum 600 N-m @ rpm to be mentioned	
	j. Number of cylinder	Minimum 6 cylinder	
	k. Bore & stroke	To be mentioned	
	l. Displacement (in cc)	To be mentioned	
	m. Cooling system	Liquid Cooled	
	n. Fuel consumption (in liter)	To be mentioned	
	p. Engine life before 1 st overhauling (In mileage and hour)	To be mentioned	
	q. Compatibility of engine	Engine to be compatible to run with diesel available in Bangladesh	
	r. 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).	

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Ser	Description	Required Technical Specification	Remarks
27.	<u>Electric System</u>		
	a. Volt	24 volts	
	b. Battery (Volt & AH)	2x12 Volt and AH to be mentioned	
	c. Alternator (Volt & Amp)	24 Volt & Amp to be mentioned	
	d. Starter (Volt & Kw)	24 Volt and Kw to be mentioned	
28.	<u>Hydraulic System</u>		
	a. Hydraulic System	Details to be mentioned	
	b. Country of Origin and Manufacturer	Group A Country	
29.	<u>Brake system</u>		
	a. Service brake	Details to be mentioned	
	b. Parking brake	Details to be mentioned	
	c. Any other brake	Details to be mentioned	
30.	Steering System	Details to be mentioned	
31.	<u>Transmission</u>		
	a. Type	To be mentioned	
	b. Make & Model	To be mentioned	
	c. Country of Origin	Group A Country	
	d. Country of Manufacturer		
	e. Country of Assembly	Gp A and B Countries	
32.	<u>Service Re-fill Capacities</u>		
	a. Fuel Tank	Minimum 325 liters	
	b. Crank Case	To be mentioned	
	c. Hydraulic oil Tank	Minimum 130 liters	
33.	Operators/drivers Cab	All weather steel Cab to be provided	
34.	Lights & Gauges	All lights & gauges include head light, Tail Work & Backup light include hour meter and other related lights & gauges require to make the equipment fully operation	
35.	Colour	As per tender requirement	
36.	<u>Petrol Oil Lubricant (POL) information</u>		
	a. Detail maintenance schedule of Equipment & Engine	Required 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		
37.	Standard accessories	Standard accessories list to be provided	
38.	Standard tools	Standard tools list to be provided.	
39.	Operational Temperature	-5 ⁰ C to +55 ⁰ C	
40.	Maintenance	Details to be mentioned	

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Ser	Description	Required Technical Specification	Remarks
41.	ISO certificate or similar Rating	ISO cert to be provided by the manufacturer	
<u>Part-3: Training Requirement</u>			
42.	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>			
43.	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>			
44.	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>			
45.	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)	
46.	Certificate on spare parts availability in Bangladesh	Certificate to be submitted from manufacturer	
47.	List and certificate on usage of the equipment by other organizations or agencies in Bangladesh	List and certificate to be submitted from manufacturer	
48.	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	
49.	Detailed address of after-sales-service workshop in Bangladesh	Details address to be mentioned	

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Ser	Description	Required Technical Specification	Remarks
50.	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)	
51.	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	