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Directorate General Defence Purchase
Ministry of Defence
New Airport Road
Tejgaon, Dhaka-1215
Telephone: Military- 7174
Civil - 9133887
Fax: 9122748

Srabon 1424

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July 2017

RE-EVALUTION OF EXCAVATOR (TRACK TYPE)

Reference:

A. Army Headquarters, Engineer in Chief's Branch, Engineer Directorate letter number 23.01.901.055.02.192.03.16.07.17/Excavator dated 16 July 2017.

It is to inform you that standardization of suitable models of **Excavator (Track Type)** 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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ANNEX A TO
 ARMY HEADQUARTERS, ENGINEER IN CHIEF'S BRANCH
 ENGINEER DIRECTORATE LETTER NUMBER
 23.01.901.055.02.192.03.23.16.07.17
 DATED 16 JULY 2017

TECHNICAL SPECIFICATION OF EXCAVATOR (TRACK TYPE)
(Approved in General Staff Policy Committee Meeting 4/2015)

Ser	Description	Required Technical Specification	Remarks
1.	General Specification		
	a. Name of the Equipment	Excavator (Track Type)	
	b. Name and complete address of the local agent	To be mentioned	
	c. Name and complete address of the manufacturer	To be mentioned	
	d. Name and complete address of the Principal	To be mentioned	
	e. Make & Model	To be mentioned	
	f. 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	
	g. Country of Assembly		
	h. Country of Manufacturer		
2.	Year of Production	Not before the year of contract	
3.	Overall Dimension (LxWxH)		
	a. Length	To be mentioned	
	b. Width	To be mentioned	
	c. Height to top boom	Maximum 3500 mm	
	d. Height to top cab	Maximum 3200 mm	
4.	Operating weight	20000-32000 Kg	
5.	Gross vehicle weight	To be mentioned	
6.	Drive Position	To be mentioned	
7.	Grade ability	Minimum 30°	
8.	Ground clearance	Minimum 350 mm	
9.	Speed		
	a. Swing speed	To be mentioned	
	b. Swing angle	360°	
	c. Traveling speed	Minimum 05 Km/hr	
10.	Steering System	To be mentioned	
11.	Transmission	To be mentioned	
12.	Engine		
	a. Make & model	To be mentioned	
	b. Type	4 Stroke, Diesel	
	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. Country of Manufacturer		
	e. Country of Assembly		
	f. Year of production	Not before the year of contract	
	g. Rated Horse Power with rpm	Minimum 155 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	To be mentioned	
	m. Cooling system	Liquid Cooled	
	n. Fuel consumption	To be mentioned	
	p. Engine test bench certificate	To be provided during inspection of equipment	

Ser	Description	Required Technical Specification	Remark
13.	Electric System		
	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	
14.	Hydraulic System	To be mentioned	
15.	Brake system		
	a. Service brake	Details to be mentioned	
	b. Parking brake	Details to be mentioned	
16.	Bucket Capacity	Minimum 0.8 cum	
17.	Bucket Digging Force	Minimum 150 KN	
18.	Boom length	Minimum 5500 mm	
19.	Maximum dumping Height	To be mentioned	
20.	Maximum Digging Depth	To be mentioned	
21.	Maximum Digging reach at ground Depth	To be mentioned	
22.	Arms/stick length	To be mentioned	
23.	Track		
	a. Total Number of Track shoe (Each side)	To be mentioned	
	b. Track shoe width	Minimum 500 mm	
	c. Track Gauge	Minimum 1980 mm	
	d. Ground contact Area	To be mentioned	
	e. Length of Track	Minimum 4000 mm	
24.	Service Re-fill Capacities		
	a. Fuel Tank	Minimum 325 liters	
	b. Crank Case	To be mentioned	
	c. Hydraulic oil Tank	Minimum 130 liters	
25.	Operators/ drivers Cab	All weather steel Cab to be provided	
26.	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	
27.	Colour	As per tender requirement	
28.	Petrol Oil Lubricant (POL) information	The following information must be submitted with the offer	
	a. Detail maintenance schedule of Equipment & Engine	Information to be submitted	
	b. Grade of diesel used in Equipment	Information to be submitted	
	c. Type of Engine oil used in Equipment	Information to be submitted	
	d. Type of gear Oil used in Equipment	Information to be submitted	
29.	Standard accessories	Standard accessories list to be provided.	
30.	Standard tools	Standard tools list to be provided.	
31.	Operational Temperature	-5°C to +55°C	
32.	Maintenance	Details to be mentioned	
33.	ISO certificate or similar Rating.	ISO certificate to be provided by the manufacturer	
	Note: Following information's/ documents to be supplied along with the offer:		
	a. Details of working principle.	Details to be mentioned	
	b. Functional/users training in country to be provided by foreign/Local expert.	To be mentioned	
	c. Provision of supply of major spares for minimum 10 years.	Certificate to be provided by the manufacturer	
	d. Provision of supply fast and slow moving spares for minimum 10 years.	Certificate to be provided by the manufacturer	
	e. Model validity in years (minimum 10 years).	Certificate to be provided by the manufacturer	
	f. List of spares, Special Service Tools (SST)/Special Service Material (SSM)	List to be provided by the manufacturer	
	g. Any other relevant technical information may also be enclosed.	To be mentioned	