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20 September 2026

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EVALUATION OF GANTRY CRANE 20 TON CAPACITY WITH INSTALLATION & COMMISSIONING ACCESSORIES

Reference:

A. Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineering Directorate letter number 23.01.901.048.06.079.03.07.09.26 dated 07 September 2026 (Not to all).

1. It is to inform you that Bangladesh Army intends to procure **Gantry Crane 20 Ton Capacity with Installation & Commissioning Accessories**. Therefore, interested firms/OEMs are requested to provide necessary technical offers, original catalogues/brochures, 100% updated spares parts catalogue (soft copy) and other necessary documents etcetera (each in duplicate) of the referenced equipment. The detailed information/documents as outlined **need to be sent to this office (with soft copy) by 30 September 2026 please**. Please note that, the offered models should be compatible with general specification attached to this letter. **Also, please outline the life-cycle status of the offered product, indicating whether it is in the introduction, growth, maturity, or decline stage**. Short fall of any information will disqualify the offer. Also, kindly be requested to provide enlistment certificate of DGDP along with the technical offer.

2. Your co-operation will be highly appreciated.


MD ZAHIDUL KABIR
Major
For Director General

Enclosure:

1. General Specification of Gantry Crane 20 Ton Capacity with Installation & Commissioning Accessories - 03 (Three) pages Only.

Distribution:

External:

Action:

(All Concerned Firm/ Supplier)

Information:

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

Army Headquarters, Master General of the Ordnance Branch (Coordination)

Army Headquarters, General Staff Branch, Armoured Directorate

Army Headquarters, Master General of the Ordnance Branch, Ordnance Directorate

Army Headquarters, Master General of the Ordnance Branch, Electrical and Mechanical Engineering Directorate

Army Headquarters, Master General of Ordnance Branch, Inspection and Technical Development Directorate

Internal:

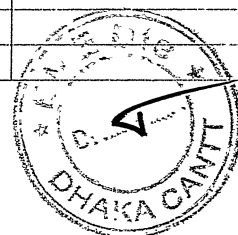
Action:

IT Section - (For flashing on DGDP web site)

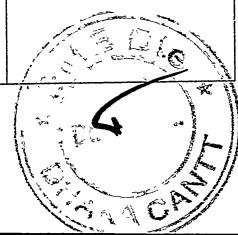
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GENERAL SPECIFICATIONS- GANTRY CRANE 20 TON CAPACITY WITH INSTALLATION & COMMISSIONING ACCESSORIES

Serial	Nomenclature/ Description	Required Specifications	Remark
1.	Name of Local Agent with complete address (Addresses, Telephone, Fax, Email & Website)	To be mentioned	
2.	Name of Manufacturer with complete address (Addresses, Telephone, Fax, Email & Website)	To be mentioned	
3.	Name of Principal with complete address (Addresses, Telephone, Fax, Email & Website)	To be mentioned	
4.	Nomenclature	Gantry Crane 20 Ton Capacity with Installation & Commissioning Accessories	
5.	Brand Name / Make	To be mentioned	
6.	Model	To be mentioned	
7.	Country of Origin	To be mentioned	
8.	Country of Manufacture	To be mentioned	
9.	Country of Assembly	To be mentioned	
10.	Port of Shipment	a. Must be from the country of Manufacturing / Assembly. b. Transshipment not allowed.	
<u>PART-2. TECHNICAL SPECIFICATION</u>			
11.	Capacity	20 Ton	
12.	Type	Double Girder Gantry cranes with structure	
13.	Ground to span Height	To be mentioned	
14.	Span Length	10 Meter	
15.	Span Width	To be mentioned	
16.	Span Height	To be mentioned	
17.	Clearance between two legs	To be mentioned	
18.	Hook Approach Limits	Following requirement to be mentioned: a. Left side and Right side hook approaches. b. End approaches along the runway.	
19.	<u>Runway Rail.</u>		
	a. Rail Type	Standard QU70 / QU80 with complete clip assemblies, rubber pads and end buffers	
	b. Rail Length	16 Meter	
20.	<u>Rail Wheel.</u>		
	a. Number of Wheel	To be mentioned	
	b. Wheel Load Capacity	To be mentioned	
21.	Hook Path Maximum	To be mentioned	
22.	Operation	Electrical	
23.	Lifting Height	8-10 Meter	
24.	Electric Power	AC 400-440V, 50 Hz, 3Ph	
25.	Motor Duty Cycle	ISO M5 / FEM 2m / CMAA Class D (Heavy Duty)	
26.	Power Conductor	Motorized/Spring-driven Cable Reeling Drum (CRD) with flat trailing cable for 20 Meter runway or enclosed safe conductor busbar	
27.	Safety Factor	Minimum 3.0: 1 for all components and capacity	
28.	Electric Cable Insulation Class	To be mentioned	
29.	Structure Material	To be mentioned	
30.	Ambient Working Temperature	-20 ⁰ ~ +60 ⁰ C	
31.	<u>Hoisting Mechanism</u>		
	a. Motor Make and Model	To be mentioned	
	b. Motor Capacity	To be mentioned	
	c. Hoisting Speed	5-8 m/min	
32.	<u>Cross Travelling Mechanism</u>		
	a. Motor Make and Model	To be mentioned	
	b. Motor Capacity	To be mentioned	
	c. Cross Travelling Speed	20-30 m/min	



Serial	Nomenclature/ Description	Required Specifications	Remark
	d. Cross Travelling Length	To be mentioned	
	e. Cross Travel Electrification	Galvanized C-rail festoon cable system or heavy-duty drag chain to be provided	
33.	<u>Long Travelling Mechanism</u>		
	a. Motor Make and Model	To be mentioned	
	b. Motor Capacity	To be mentioned	
	c. Long Travelling Speed	30-40 m/min	
34.	Country of Origin, Manufacturer and Assembly of Electric Motor	To be mentioned	
35.	Motor Protection Class	To be mentioned	
36.	Electric Control	Dual control: 2.4 GHz Industrial Radio Remote (with joystick, emergency stop, and spare transmitter) + Backup independent plug-in pendant station	
37.	Drive Control	Microprocessor/Inverter (VFD) speed regulation on LT, CT, and Hoist with stepless acceleration/deceleration	
38.	<u>Winch.</u>		
	a. Make and Model	To be mentioned	
	b. Country of Origin, Manufacturer and Assembly	To be mentioned	
	c. Type	To be mentioned	
	d. Rope Type	High-Strength Galvanized Steel	
	e. Rope Length	To be mentioned	
	f. Rope Dia	To be mentioned	
	g. Drum Reeving System (Must be prevent lateral hook drift during hoisting)	To be mentioned	
39.	Safety Devices	Details to be mentioned	
40.	Braking System (Hoist & Travel motion)	To be mentioned	
41.	<u>Steel Structure Shed & crane Installation</u>	The Supplier shall design, supply, fabricate, erect and complete a structural Steel Shed suitable for housing and operation of the Gantry Crane (20 Ton capacity)	
	a. Indicative Shed Dimensions	(1) Length: 30 Meter (2) Width: 16 Meter (3) Clear Height: 14 Meter (4) Eaves Height: 12 Meter (5) Roof: pre-painted galvalume Sheet, Minimum 0.50 mm thickness. (6) Side Cladding: Minimum 0.45 mm PPGI Sheet. (7) Adequate ventilation and natural lightings shall be provided. (8) Rain water gutter and downpipe system shall be provided.	
	b. Structural Steel	All steel shall be new and of approved quality	
	c. Structural design calculation, fabrication drawing, Erection drawing, Connection details, Foundation drawing and Load calculation to be submitted by the Supplier	To be submitted	
	d. Foundation & Floor	a. Civil runway beams, 50 Tons capacity RCC foundations and rail grout. b. Runway rails, splice bars, sole plates, and hold-down clips. c. A suitable RCC maintenance Pit shall be constructed within the shed for inspection, servicing maintenance of Tank. Pit dimensions: (1) Length: 6 Meter.	



Serial	Nomenclature/ Description	Required Specifications	Remark
		(2) Width: 1.4 Meter (3) Depth: 1.5 Meter (4) Access: A permanent reinforced concrete staircase shall be provided for safe and convenient access to and from the maintenance Pit. (5) Pit wall: The Pit will be reinforced concrete wall, suitably waterproofed. (6) Drainage: Will have proper underground drainage facility.	
42.	Color	As per requirement of indentor	
43.	Test Certificate	On-site load testing as per ISO 4301 / BS 7121 to be provided	
44.	Warranty	1 (One) Year	
45.	After Sales Service	Details to be mentioned	
46.	Model Validity	Minimum 10 (Ten) years from signing of contract	
47.	Offered Technical Specifications must confirm to the specifications mentioned in the submitted brochure/catalogue otherwise offer will not be accepted	To be complied	
48.	Authorization certificate to be provided by Manufacturer in favour of Principal	To be submitted	
49.	Authorization certificate to be provided by Principal in favour of Local Agent	To be submitted	
50.	Production Date	Not before the year of contact	
PART- 3. TRAINING REQUIREMENT.			
51.	Training Requirements.		
	a. User Training	To be provided (As per User/ Sponsor Directorate)	
	b. Operation, Repair and Maintenance Training	To be provided (As per requirement of EME Directorate)	
	c. Equipment Management Training	To be provided (As per requirement of Ordnance Directorate)	
PART-4. REPAIR AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES.			
52.	Books & Publication.		
	a. Owner's Manual in English (Complete Book Type)	To be provided as per requirement of EME Directorate	
	b. Updated Workshop /Repair Manual in English (Complete Book Type/ Computer generated print out)	To be provided as per requirement of EME Directorate	
	c. Spare Parts Catalogue in English Book type.	To be provided as per requirement of EME Directorate	
	d. Spare Parts Price Catalogue in English Book type.	To be provided as per requirement of EME Directorate	
PART-5. LIST OF SPARES.			
53.	List of Fast & Slow Moving Spare Parts	List to be provided as per requirement of EME Directorate	
PART-6. TOOL LIST FOR DIFFERENT LEVEL OF MAINTENANCE.			
54.	List of standard maintenance Tools and Accessories	To be provided	
55.	Analyzer, Measuring, Testing/ Fault finding and Diagnostic set	To be mentioned (If required)	
56.	Special Service Tools (SST)	List to be provided as per requirement of EME Directorate	
57.	Special Service Material (SSM)	List to be provided as per requirement of EME Directorate	
PART-7. FINANCIAL SPECIFICATION.			
58.	Financial Implication / Specifications	To be provided as per requirement of Ordnance Directorate	

