

**MONGLA CEMENT FACTORY**  
**MONGLA, BAGERHAT**

**(A Project of Sena Kalyan Sangstha)**

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**TENDER NOTICE FOR SUPPLY OF HYDRAULIC CRANE, MCF**

Tech-Commercial offer is invited from Bonafide Manufacturer/Supplier/Indenter for the supply of 01 set Hydraulic Crane from any reputed manufacturer of any origin/country to Mongla Cement Factory, Mongla, Bagerhat, Bangladesh. Interested Tenderers are to be dropped in the tender box kept in the office of Business Division-1, at the above address before 29/06/2025 by 11:00 hours BST and will be opened on the same day at 11:30 hour BST in the presence of Tenderers (if there are any). The tender schedule will be available in the Business Division-1, Sena Kalyan Sangstha, SKS TOWER (5th Floor), 7 VIP Road, Mohakhali, Dhaka-1206, upon submission of an application on letterhead pad and payment of Tk 5,000/- (Non-refundable) during office hours. Sena Kalyan Sangstha reserves the right to accept or reject any or all tenders without assigning any reason whatsoever. Bidders are requested to submit earnest money and fill up Part-4 & Part-5; otherwise, the tender offer may be rejected. The L/C will not be opened until the Performance Guarantee (PG) is submitted. In terms of a local BDT offer, the PG should submit after the offer has been accepted and an acceptance letter has been received. Attached: Technical specification-03 Pages. The suppliers should submit the hard copy of Technical Offer & Financial Offer separately in sealed in one envelope with duplicate same copy in other envelop to Director General, Business Division-1, SKS Tower, Mohakhali, Dhaka.

**Deputy Director General**  
**Business Division-1**  
**Sena Kalyan Sangstha**

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## PART-5

### TECHNICAL SPECIFICATIONS AND NAME OF WORK: SUPPLY, INSTALLATION AND COMMISSIONING OF 01 NOS HYDRAULIC CRANE TO MCF

**ERECTION SPOT:** To be erected on the base of MCF Jetty where a Wire Crane is already exists.

SL no.	Para meter/nomenclature	MCF Requirements	Supplier's Offer/ Remarks
	<b><u>MANUFACTURER DETAILS :</u></b>		
1	Country of origin	EU/USA/Japan	
2	Country of Manufacturing/Assembling	To be mentioned	
3	Model	To be mentioned	
4	Type of the Crane	Hydraulic	
	Maritime Climates	Wind speed: 60 m/sec (max) Design wind velocity: 250 km/hr Prevailing wind direction: South-North Temperature: 05-42 °C Humidity: 97% (Max), 50% (Min)	
	<b><u>OPERATIONAL DETAILS :</u></b>		
5	Purpose/Specific use of the Crane	Unloading of (Clinker/Gypsum/Lime stone/Slag)	
	Hydraulic system	<ul style="list-style-type: none"> <li>• To be designed as per requirement</li> <li>• Coolant and hydraulic tank capacity is to be mentioned</li> <li>• Pressure indication facilities are to be provided.</li> <li>• Protection system is to be provided for low and high pressure limit.</li> </ul>	
	Lubrication system	To be designed for all frictional and rotating parts and must have an arrangement for both manual and automatic feeding option of lubricant.	
6	Unloading capacity	(225-250) TPH	
7	Height of the main pivot (with respect to the top edge of Jetty )	To be mentioned	
8	Minimum outreach range (From centerline of rotation)	3.50 M	
9	Maximum outreach range (From centerline of rotation)	32.0 M	
10	Maximum working depth (Below bottom edge of Jetty)	12 M	
11	Maximum working /lifting height (above the main pivot)	To be mentioned	
12	Total vertical lifting range	To be mentioned	
13	Boom Operating Angles (Above & below horizontal)	To be mentioned (Wider range is to be preferred)	
14	Working angles of boom	To be mentioned	
15	Working angles of stick	To be mentioned	
16	Degree of rotation	360 Degree continuous	
	Slewing speed	To be mentioned	
17	Main boom length	To be mentioned	
18	Arm/ Stick Length	To be mentioned	
19	Bucket volume (m <sup>3</sup> )	To be mentioned	
20	Grabbing Capacity (Tonnage in each operation)	To be mentioned	
21	Operators Cabin	To be equipped / furnished with Camera to facilitate Grabbing operation along with all switching panel /AC/internal lighting and other facilities convenient for Operator	
22	Spares	<b><u>Electrical:</u></b> 1) Load Cell - 01 pc 2) Soft Starter - 01 pc 3) Angel detector - 01 pc 4) Monitor - 01 pc 5) Camera - 01 pc 6) Controller - 01 pc 7) Operator lever switch (left) - 01 pc 8) Operator lever switch (Right) - 01 pc <b><u>Mechanical:</u></b> 1) Grease Lubrication Injector Pump - 04 pcs 2) Swing Drive Rebuild Kit	

		- 01 set 3) Swing Motor - 01 set 4) Return Filter - 04 pcs 5) Pilot Filter - 04 pcs 6) Hydraulic Pipe (Grab open-close) - 02 set 7) Grease Lubrication System Filter - 04 pcs 8) Pressure Gauge Tester - 01 set	
<b>POWER SUPPLY AND LIGHTING :</b>			
23	<b>Electric motor/power consumption</b>	To be mentioned	
24	<b>Power supply system</b>	* Is to be designed / equipped by supplier as per drive requirement. * Will be provided by MCF. Supplier will only provide cable's and Circuit breaker's specification.	
25	<b>Control System</b>	Control system should be designed considering all permissible operational parameter like Grabbing weight, angle/ height, over current, over voltage etc.	
26	<b>Lighting system</b>	* Both internal and external lighting facilities to be provided at the respective spot so that both operation/maintenance can be conducted in a luminous atmosphere. In case of design of illumination level of external lighting, foggy / hazy atmosphere is to be taken in to consideration. * Individual switching for separate light is to be considered and switch is to be installed at a suitable place.	
27	<b>Dismantling of existing Wire crane</b>	To be done by Contractor and logistic required in this respect is to be arranged at their own cost.	
<b>OTHERS FEATURES :</b>			
28	<b>Estimated total Weight of crane (Upper structure + fixed pedestal + fluid)</b>	To be mentioned	
29	<b>Transportation</b> (From sea port to factory premises)	To be done by supplier at their own cost and risk. If any breakage or damage occurred during transportation process that should be borne by supplier	
30	<b>Tools and logistic</b>	Tools and logistic required during unloading and erection process that should be provided by supplier	
31	<b>Plat form and walk way</b>	Plat form and walk way is to be provided at the point or place for the convenient of maintenance work	
32	<b>Training</b>	Supplier will have to provide 06 days (08 hours/days) training at a free of cost (operation, electrical and mechanical) to 06 employees of MCF. Training curriculum should include both theoretical and practical aspects of the Crane.	
33	<b>Installation and Commissioning</b>	To be done by supplier	
34	<b>After sales services</b>	Supplier should attend for any problem/break down whenever any call from Buyer.	
35	<b>Warranty</b>	Supplier must give 12 months (from the date of successful test run of the Crane at MCF) warranty on repair/servicing.	
36	<b>Base or Foundation / Civil works</b>	* Proposed crane is to be erected on the base of existing Wire crane. * Contractor will erect the anchor/fixing bolt as per their own drawing. * Contractor will provide both static load and self weight including pedestal and fluid as well as dynamic load. * Any modification of existing base for anchoring/fixing of pedestal of proposed Hydraulic Crane that is to be done by supplier.	
37	<b>Pre-shipment inspection (PSI)</b>	Pre shipment inspection is to be conducted by 02XEngineer; (01XMechanical and 01XElectrical) from MCF and in this respect all related cost like both way air fare, boarding, fooding, pocket money and transportation at abroad etc. is to be borne by Contractor.	
<b>DRAWING AND DOCUMENTATION :</b>			
38	<b>Drawing</b>	* 02 copies of both electrical and mechanical drawing is to be supplied in both soft and print version. * Electrical drawing should include all single line diagram along with control circuit and PLC with a proper marking / numbering of cable / component * Mechanical drawing should include all fabrication,	

		fixing / fitting arrangement along with lay out all parts and machineries as well as presentation in all form/views.	
39	<b>Operations /Maintenance Manual</b>	02 copies of operation / maintenance Manual are to be supplied in both soft and print version.	
40	<b>Parts Catalogue</b>	To facilitate future procurement of spare parts; 02 copies Parts Catalogue is to be supplied showing parts reference/identification number/code, parts drawing (where necessary) and respective manufacture's address	
41	<b>Guarantee</b>	<b>The manufacturer/Supplier must give guarantees of following (Minimum 1 year) :</b> a. Crane is free from any defect's in terms of physically and operationally b. The Crane is brand new and supplied from latest/current production line c. The manufacturer under take to supply spare parts for as when required. d. Supplier/manufacturer or his agent will provide after sales service so long the supplied Crane is in operation at MCF.	
42	<b>Demolition /modification works</b>	Any kinds of demolition and modification works of existing Base of Wire crane is feels necessary that should be done by supplier.	
43	<b>Electricity use</b>	Required electricity for the purpose of erection works that should be provided by Buyer at a tariff of power supply agency.	
44	<b>Special clause: It is mandatory for all interested bidder to conduct a visit /inspection of proposed spot to pickup all physical data / information to ascertain accurate design and drawing for smooth operation of Hydraulic Crane.</b>		

**Other information needed for submission:**

SI#	Items name	Info	Bidder's offer
1	Principle Name & address: By Bidders	To be mentioned	
2	Manufacturer Name & address: By Bidders	To be mentioned	
3	Local Agent Name & address: By Bidders	To be mentioned	
4	Total CFR/CPT Price Chottogram/Benepole/ US \$/EURO (For local BDT offers, VAT and TAX should be included).	To be mentioned	
5	Separate H.S. Codes for each item should be provided.	To be mentioned	
6	Installation, Commissioning, Training and Successful Test run (Turnkey basis): BDT	To be mentioned	
7	Transportation Cost (Port to MCF site) in BDT	To be mentioned	
8	1% of the quoted price as earnest money in the form of a Demand Draft/Pay Order	To be mentioned	
9	Performance Guarantee	10% of the total CFR value for 395 days	
10	Certificate (Authorization etc.)	To be mentioned	
11	Offer Validity	90 days	
12	Inspection & Test	For Import/LC offer: Third party SGS/Bureau Veritas,etc	
13	Mode of Payment	As per Article-15 of PART-7	
14	Experience (similar) in Bangladesh & abroad	To be mentioned	
15	Port of shipping (If Import/LC by Buyer offer)	To be mentioned	
16	Latest Shipment Date (If Import/LC by Buyer offer)	To be mentioned	
17	LC opening Bank (If Import/LC by Buyer offer)	Trust Bank	
18	H.S code	To be mentioned	
19	Arrival date at MCF, Mongla, Bagerhat, Bangladesh (ETA)	To be mentioned	

**Special Note:**

- The quoted price must be inclusive of all accessories, commissioning, and a successful test run on a turnkey basis.
- The machine must be suitable for cement industry operations and a highly dusty environment.