

MONGLA CEMENT FACTORY

MONGLA, BAGERHAT

(A Project of Sena Kalyan Sangstha)

PABX: 880-02-478846029

Fax: 880-02-55058401

E-mail: monglacementfactory@gmail.com

TENDER NOTICE FOR SUPPLY OF PAY/WHEEL LOADER, MCF

Tech-Commercial offer is invited from Bonafide Manufacturer/Supplier/Indenter for the supply of 01 set pay/wheel loader 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 27/04/2025 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 2,000/- (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.

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

Published Date: 27 March 2025

PART-5

Technical Specifications for Wheel Loader Mongla Cement Factory, Mongla, Bagerhat, Bangladesh

Item Name: Wheel Loader

Quantity: 01 Set

General Requirements

- The wheel loader must be suitable for heavy industrial operations, particularly in cement and dust-prone environments.
- It should be designed for high durability, low maintenance, and efficient fuel consumption.
- The loader must be from a manufacturer with proven after-sales service and spare parts availability for at least 10 years.

SL	Parameter	MCF Requirement	Supplier's Offer	Remarks
MANUFACTUREDETAILS				
1	Model	To be mentioned		
2	Country of origin	Japan/Korea/ C h i n a / U S A / U K / E U		
3	Country of manufacture/assemble	Japan/Korea/ C h i n a / U S A / U K / E U		
OPERATIONDETAILS				
4	Bucket width	Minimum 3.0m		
5	Bucket capacity(Dimensional)	3.0m ³ – 3.5m ³		
6	Bucket capacity (Contained)	Earth/Clay: 1.5-1.7 Ton/m ³ Sand/Gravel: 1.5-1.7 Ton/m ³ Aggregate: 1.6-1.7 Ton/m ³		
ENGINE DETAILS				
7	Maker/Model	Reputable global brand (Cummins, Perkins, Volvo, CAT, or equivalent)		
8	Type	Turbocharged, charge air-cooled diesel engine		
9	After treatment System	DOC, DPF, SCR, VGT (or equivalent emission control technology)		
10	Gross power	Minimum 220 HP at 2,200 rpm		
11	Net power	Minimum 215 HP at 2,200 rpm		
12	Max.Power	Minimum 240 HP at 1,900 rpm		
13	Torque	Minimum 1,100 Nm at 1,300 rpm		
14	Displacement	6.0L – 7.0L		
TRANSMISSIONDETAILS				
15	Travel speed	Minimum 4-speed automatic transmission		
16	Forward	1st	Minimum 6.0 km/h	
		2nd	Minimum 12.0 km/h	
		3rd	Minimum 24.0 km/h	
		4th	Minimum 38.0 km/h	
17	Reverse	1st	Minimum 6.0 km/h	
		2nd	Minimum 12.0 km/h	

AXLES DRIVES SYSTEM				
18	Mount	Rigid front axle and Oscillating rear axle.		
19	Rear Axle Oscillation	Minimum Oscillation ± 12		
20	Differential Type	Conventional or Limited Slip Differential		
TYRES DETAILS				
21	Type	Tubeless, industrial-grade loader tires		
22	Standard	23.5 R25, L3 (or equivalent)		
BRAKES DETAILS				
23	Service Brakes	Hydraulically actuated wet disc brakes on all four wheels		
24	Parking Brake	Spring-applied, hydraulically released		
25	Emergency Brake	Automatic activation in case of pressure drop		
HYDRAULIC SYSTEM DETAILS				
26	Pump Type	Load-sensing hydraulic system		
27	Maximum Pump Output	Minimum 230 L/min at 2,000 rpm		
28	Maximum Operating Pressure	Minimum 280 bar		
29	Hydraulic cycle time	Raise: Maximum 6.0 sec		
		Dump: Maximum 1.5 sec		
		Lower: Maximum 3.5 sec		
STEERING SYSTEM				
30	Type	Load-sensing hydrostatic articulated steering		
31	Pump	Variable displacement piston pump		
32	Steering Angle	Minimum $\pm 40^\circ$		
Cabin & Safety Features				
33	Cabin Protection	ROPS/FOPS-certified structure		
34	Sound Level	Max 72 dB(A) inside the operator's cabin		
35	Air Conditioning	Equipped with R134a refrigerant system		
36	Lighting System	Front work lights (minimum 4)		
		Rear lights (minimum 2)		
		Parking, direction indicators, reverse, and cabin lights		
Service Capacities				
37	Fuel Tank	Minimum 250L		
38	Hydraulic tank	Minimum 100L		
39	Engine Oil	Minimum 15L		
40	Transmission Oil	Minimum 30L		
Training & Documentation				
41	Training	Minimum 7 days (8 hours/day) training for 6 personnel (both mechanical and electrical aspects)		
42	Documentation	2 sets of parts catalogs and maintenance manuals (both hard copy and soft copy)		

After-Sales Service & Spare Parts			
43	Suppliers must ensure the availability of spare parts and after-sales service support for at least 10 years.		
44	First Moving Spares to be supplied with the loader : Air Filter: 24 Nos Fuel Filter: 24 Nos Lube Oil Filter: 18 Nos Hydraulic Filter: 18 Nos Transmission Filter: 18 Nos		
Warranty & Performance Guarantee			
45	Warranty	Minimum 1 year or 2,000 operational hours (whichever comes first)	
46	Performance Guarantee	10% of the total CFR value for 395 days from the delivery date	

Other information needed for submission:

Sl#	Items name	Info	Bidder's offer
1	Principle Name & address: By Bidders	To be mentioned	
2	Local Agent Name & address: By Bidders	To be mentioned	
3	Total CFR/CPT Price Chottogram/Benepole/Ready stock US \$/EURO or (For local BDT offers, VAT and TAX should be included.	To be mentioned	
4	Registration, Commissioning, Tranning and Successful Test run (Turnkey basis): BDT	To be mentioned	
5	Transportation Cost (Port to MCF site) in BDT	To be mentioned	
6	1% of the quoted price as earnest money in the form of a Demand Draft/Pay Order	To be mentioned	
7	Certificate (Authorization etc.)	To be mentioned	
8	Offer Validity	90 days	
9	Inspection & Test	For Import/LC offer: Third party SGS/Bureau Veritas,etc or For Local offer: SGS/BUET/BSTI/MCF	
10	Experience (similar) in Bangladesh & abroad	To be mentioned	
11	Port of shipping (If Import/LC by Buyer offer)	To be mentioned	
12	Latest Shipment Date (If Import/LC by Buyer offer)	To be mentioned	
13	LC opening Bank (If Import/LC by Buyer offer)	Trust Bank	
14	Arrival date at MCF, Mongla, Bagerhat, Bangladesh	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.