दि फ़टिलाईज़र्स एण्ड केमिकल्स ट्रावनकोर लिमिटेड



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

(भारत सरकार का उद्यम) / (A GOVERNMENT OF INDIA ENTERPRISE)

CORPORATE MATERIALS

GST No: 32AAACT6204C1Z2 Phone: 0484-2546778 2546629 / 2545222

PD ADMINISTRATIVE BUILDING UDYOGAMANDAL - 683 501, KOCHI, KERALA, INDIA निर्घ केलिए अनुरोध/REQUEST FOR QUOTATION

Detailed Specification

Enquiry:MM/172/G30509

Contact Details

Name: Binduja Menon

Phone: 0484 2568253, 0484 2568204

Email ID: binduja@factltd.com

Please submit your offer for supply of the following items as per the instructions, technical specifications and other terms and conditions specified herein/ attached.

Note:

1. The delivery period mentioned in the BoQ is our indicative requirement. You may offer your earliest delivery period.

Please refer our above referred enquiry number in all correspondence.

SL No.	Material Code	Detailed Specification/s	Quantity	Unit of Measure
1	664914000	Front End Wheel Loader Powered by indigenous water-cooled Diesel Engine fitted with power shift transmission with Mechanical Gear selection control, preferably air brake in all wheels, having bucket capacity 1.7 to 2 Cum, suitable operator cabin and also as per the Data sheet and General conditions (I, II & Annexure A) attached.	1	Number

Special condition

2) Acceptable Makes: BEML/ JCB/ Caterpillar/ Hindustan/ L&T/ TATA-Hitachi/ Escorts

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¹⁾ Equipment should be as per data sheet HES/UC/FEWL/22-23/374

EQUIPMENT DATA SHEET

TPS No. HES - UC-FEWL-22-23/374

A) Equipment

: FRONT END WHEEL LOADER

B) General Specifications of Equipment:

1. Bucket Capacity

: 1.7 to 2.**9** Meter cube

2. Duty

: Handling of Products (Sulphur/ Rock Phosphate/ Soda ash etc.)

3. Overall length

: Not More than 6900 MM

4. Dump height

: Not less than 3600 MM

5. Overall Width

: Not More than 2600 MM

- **6. Engine:** Suitable Indigenous Diesel Engine of required HP conforming to latest pollution standards. Engine shall be fitted with Water cooled radiator and the radiator shall be of suitable material of construction to effectively withstand corrosion due to hygroscopic material such as Sulphur / Rock Phosphate/ Gypsum/Soda ash Etc.
- 7. Cabin: Ergonomically designed cabin and control layout for easy operation and to reduce operator fatigue. Adjustable cushion seat is to be provided. All meters, gauges, warning lamps are to be provided in the cabin. Operator comfort shall be ensured by providing adjustable cushion seat, Fan, Operator controls with Pilot Operated Hydraulic joystick, Mirrors for improved visibility from cab etc. Cabin shall be provided with adequate protection to protect the operator from falling material. The cabin should be mounted on the rear frame of the Equipment.
- 8. Tyres: The equipment shall be fitted with standard size and should be available indigenously.
- **9. Brakes:** Air actuated brakes fitted in all four wheels OR Wet multiple disc brakes, hydraulic actuated in all wheels with air booster and independent mechanical parking brakes.
- 10. Power Train: Equipment shall be fitted with suitable Transmission (preferably indigenous twin turbine type) with Planetary Gearbox and mechanical lever control for selecting speed range and four wheel drive. Electrically controlled gear selection is not acceptable.
- 11. Steering System: Fully hydrostatic power steering system independent of engine speed with Orbitrol type steering
- 12. Rear frame: The rear frame shall be mounted so as to oscillate sufficiently on either side of the longitudinal axis, enabling the loader to be used on rough terrain and on unprepared ground.

GENERAL CONDITIONS (I)

The following data should be forwarded along with the quotation.

1. Engine: Details of engine shall be furnished as given below.

Make of engine
Type of Engine
Gross HP
No. of cylinders
Bore and stroke
Piston displacement
Maximum torque
Lube oil data
Fuel specification
Maximum RPM
Governor type
Engine cooling

- 2. Radiator details for water cooled engine: Type of radiator, construction details and special features if any to withstand corrosive atmosphere due to /Sulphur / Rockphosphate/Soda ash.
- 3. Tyre: Specification of the Tyres used, Ply Rating etc. are to be provided along with the offer
- 4. Service capacities: Fuel tank capacity, oil pump capacity, hydraulic tank Capacity etc., to be furnished.
- 5. Accessories: Tool box, battery and other accessories required for (Standard& optional) the efficient operation and maintenance of the loader to be included. A list of such items to be furnished.
- 6. Fuel consumption / hour for normal operation:
- 7. Hydraulic Oil capacity:
- 8. Quantity for one change of hydraulic oil:
- 9. Periodicity of replacement of hydraulic oil
- 10. Lube Oil capacity and Periodicity of change of Lube oil:
- 11. Recommended hours of operation per day of the equipment:
- 12. Estimated operating cost of the Equipment per hour:
- 13. The following data to be furnished
- a. Bucket capacity
- b. Dump height
- c. Dump reach

d. Operation weight

e. Length of the equipment

f. Height of the equipment :

g. Bucket width

h. Equipment width

Ground clearance :

 Complete technical details and features of the following main/ sub-assemblies should be furnished.

i. Transmission

ii. Axles

AAICS

iii. Steering

iv. Brakes

v. Tyre and rims

vi. Electricls

vii. Bucket

Prepared by

Sajeesh M R

DMM(M) G&H

Verified by:

Jayaprakashan U T

DGM(M) Fert - UC

GENERAL CONDITIONS (II):

- 1. The equipment shall be complete with all the necessary auxiliaries / safety provisions required for efficient and trouble free operations.
- $2.\ Necessary\ drawings$ / technical brochures of equipment / sub-assemblies shall be sent along with the quotation.
- 3. Normal working conditions may be taken as dusty / corrosive and all the electrical gadgets are to be suitably covered and protected.
- 4. The spares required for normal trouble free operation of two years (as per the Annexure A) are to be quoted along with the Equipment.
- 5. All lubrication points shall be provided with nipples / cups complying with the relevant standards.
- 6. The equipment shall be painted with anti-corrosive epoxy primer and paint.
- 7. The equipment with all accessories shall be guaranteed for trouble free operation for a minimum of eighteen months or 3000 hours of operation from the date of commissioning.
- 8. Guarantee offered should be for the whole equipment and separate guarantee offered by the manufacturer of individual components is not acceptable.
- 9. Two copies of Care and Operation manual, Shop manual and Spare Parts catalogue to be supplied, free of cost.
- 10. The equipment should be commissioned at FACT Udyogamandal Division Site, free of cost.
- 11. Equipment shall be supplied with the required oil except diesel. Only topping up of oil shall be arranged at our end. The vendor shall state the recommended grades of lubricants / oils, frequency of lubricant changes and the quantity of initial fill.
- 12. Tool kit containing all the special tools required for maintenance should be supplied along with the equipment, free of cost (list of tools shall be indicated in the offer).
- 13. Our representative or authorized third party should have access to the manufacturer's works, during execution of the order, for inspection purposes and all necessary assistance shall be extended to him. The equipment shall be shipped only after pre-despatch inspection by FACT (UD) / authorized representative of FACT (UD).
- 14. Particulars of service centres for supply of spares and service assistance (for the equipment / sub-assemblies) to be indicated.



15. Vendors shall indicate details of the population of similar machines presently in operation including name of organization, contact person etc.

ANNEXURE (A)

The following spares for two year operation may also be quoted / considered for procurement along with the equipment.

1	Air cleaner Element	12 Nos.
2	Engine oil filter	6 Nos.
3	Transmission oil filter	4 Nos.
4	Hydraulic oil filter	4 Nos.
5	Alternator/ Water pump drive belt	4 Nos.
6	Water pump	1 No.
7	Radiator Assy.	1 No.
8	Transmission oil cooler	1 No.
9	Hydraulic oil cooler	1 No.
10	Cylinder seal kit	1 No.
11	Starter motor	2 Nos.
12	Alternator	2 Nos.
13	Wheel disc with tyre	1 No.





PRE-QUALIFICATION CRITERIA

The bidders must satisfy the following pre-qualification criteria for supply of FRONT END WHEEL LOADER for Heavy Equipment Section at FACT-Udyogamandal Complex.

SI. No.	Condition	Documents to be submitted
1	Bidder should be OEM / authorized supplier/authorized distributor of Heavy equipment's	 a) In the case of OEM, self-declaration shall be submitted along with details of manufacturing facility available. b) In the case of authorized supplier / authorized distributor, relevant documentary evidence from OEM authorizing to quote for this tender shall
2	Bidder/OEM should have successfully completed orders as below for the supply of Heavy equipment's of the OEM in India, during the last 7 years ending as on the date of this enquiry, i. One order with value not less than ₹ 52 Lakhs OR ii. Two orders each having value not less than ₹ 32 Lakhs OR iii. Three orders each having value not less than ₹ 32 Lakhs	be submitted a) Copy of Purchase orders or work orders along with proof of Completion - such as Invoice / Dispatch documents / Inspection Release Note / Completion Certificate from Client
3	 a) Average annual turnover of the bidder for the last three financial years ending on 31-03-2024 shall be at least Rs. 130/- Lakhs or above and b) Annual turnover for each year shall be at least Rs. 20 /- lakhs or above during the last three financial years ending on 31-03-2024 	Self-attested copies of audited financial statements (Profit & Loss Account and Balance Sheet) for the last three financial years ending on 31-03-2024

NOTE: -

- 1) All the documents submitted in proof of the PQ criteria shall be attested by the authorized signatory of the bidder. FACT shall be at liberty to verify the data / documents s submitted by the Bidders with clients / users.
- 2) Pre-Qualified bids will only be considered for Technical Evaluation. Technically and commercially acceptable Bids will only be considered for Price Bid opening.
- 3) Submission of authentic documents for meeting the above technical and financial criteria is the prime responsibility of the Bidder. Wherever FACT has concern or apprehension regarding the authenticity/ correctness of any document, FACT reserves the right of getting the documents cross verified from the document issuing authority.
- 4) In case the bidder is submitting FACT P.O as testimonials for meeting PQ criteria, the bidder needs to mention only the P.O. No. and Completed value of work for PQ verification. Document submission is not mandatory in such cases.
- 5) IMPORTANT: In case of ambiguity or incomplete or non submission of required relevant documents along with bid, FACT reserves the right, at its option, to reject the Bidders Bid without assigning any reason and without notice.



COMPLIANCE STATEMENT

SI. No.	Terms	Bidder confirmation
1	Equipment should be as per data sheet HES/UC/FEWL/22-23/374	
2	Acceptable Makes : BEML/JCB/Caterpillar/Hindustan/ L & T/TAT- Hitachi/Escorts	
3	Please mention shortest possible delivery period.	
4	Please confirm : Price Basis – FOR FACT Stores (as per Gem T & C)	
5	Please confirm: Taxes and Duties - The Price offered in GEM is all inclusive of TAX. (as per Gem T & C)	
6	Please confirm: Payment Terms: 100% payment will be released within 10 days of the issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills as per GEM terms and conditions. (as per Gem T & C)	
7	Please confirm: Liquidated Damages: As per GeM – "@ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever" (as per GeM T & C)	