

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)

Revision No. : 04
 Dt of Revision : 27.08.2020
 Page No. : 1 of 3
 Section : Formats
 Topic : Technical Specifications format

Issue No : 2
 Issue Dt : 30.06.2003
 Issued by : P A
 Documents : PPM
 FORMAT NO.:CPRI/PUR/eTBID/GTP

Section IV T - Technical Specification

CENTRAL POWER RESEARCH INSTITUTE, BENGALURU/BHOPAL Web: www.cpri.in

Tender Enquiry No : CPRI/BLR22HPL03C986

Description of the Equipment/Goods/Services : Diesel operated Forklift Truck of 10 Ton capacity along with extended forks

Note : 1) The technical bid submitted in other than this format is liable to be rejected.

2) All blue fields are mandatorily to be filled in.

Name and address of the bidder	
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Quotation Number and Date	
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Sl.No.	Parameters	CPRI Technical Specification / Requirements	Qty	To be completed by the Bidder		
				Details of guaranteed technical parameters offered by the bidder	Guaranteed Technical Particulars (GTP) Mention Complied/Not Complied	Deviations from GTP
1	Place where equipment /service to be supplied /provided	High Power Laboratory, CPRI, Bangalore.	1			
2	Scope	Supply of one no. of Diesel operated Forklift Truck of 10 Ton capacity along with extended forks, standard accessories, tool kit, mandatory spares and training and also including Freight Chagres to Site with insurance.				
3	General	<ul style="list-style-type: none"> •The supplier shall have supplied Diesel operated Forklift Truck of 10 Ton capacity or Higher in the past five years and submit list of customers to whom equipment has been supplied along with a copy of (Purchase Order) PO. • The supplier shall have registered after sales service center in Bengaluru, India with Service back up for atleast 10 years. 				
4	Service Condition	<ul style="list-style-type: none"> • Temperature : 0°C to +45°C . • Humidity: 90% RH (Non condensation). 				
5	Application of Forklift	The forklift shall capable to lift the electrical panel of 2m (L) X 2m(W) X 2m (H). The weight of electrical panel is 7.0T.				
6	Type of Forklift	Diesel operated				
7	Load Capacity	10000 Kg				
8	Load Centre	900 mm				
9	Lift height required	3000mm				
10	Lifting stages	2 stage				
11	Mast	Type of Mast : 2 stage CV Maximum Fork Height : 3000 mm from ground lowered Height : 2820 mm or less				

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12	Turning radius	4800mm or higher				
13	Forks	1. Length x Width x Thickness : 1220 mm (min.) x 180 mm (min.) x 100 mm (min.) 2. Fork Spread : in the range 400 mm - 2100 mm 3. Extended forks : 2000mm length (one set)				
14	Fork lift gradeability (%)	18 % or higher				
15	Performance	Travelling Speed (Forward/Reverse) : in the range 18-25 kmph Lifting Speed (With load) : in the range of 250 mm/s - 350 mm/s Lifting Speed (Without load) : in the range of 300 mm/s - 400 mm/s Lowering Speed(With load) : in the range of 550 mm/s - 650 mm/s Lowering Speed(Without load) : in the range of 250 mm/s - 350 mm/s				
16	Engine	4 cylinders, BS-IV complaint for diesel engine emission norms with 12V electrical System				
17	Engine rated horsepower	110bhp at 2200rpm				
18	Height of Overhead guard	2650mm or higher				
19	Transmission	Torque Converter System				
20	Steering	Hydro static power steering				
21	Tyres	Solid tyres- Front – 4 nos. / Rear – 2nos.				
22	Standard Accessories Required	<ul style="list-style-type: none"> • Pair of forks. • Set of Lights (2-Front / 2-Rear) • Signal Lights (2- Front/2-Rear) • Load Back Rest • Reverse Alarm • Seat Belt • Tow Coupler • Tool Kit • HORIZONTAL EXHAUST • Overhead Guard with full metal plate top 				
23	Tilt angle	Tilt angle (Forward/Backward) : 5-6 / 6-12 degrees				
24	Ground clearance, centre of wheelbase	200mm or higher				
25	Total weight	Supplier to define				
26	Breakes	Service break Hydraulic braking Parking brake – Manual – Hand lever				

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27	Battery capacity	12 volt, 130 AH or higher				
28	Transmission system	Heavy duty required				
29	Driver seat	Standard with adjustable type				
30	Operational control	Hydraulic pump for lifting and tilting with hand operated lever controls				
31	Cooling System	Liquid based				
32	Wide view mast	Required, supplier to confirm				
33	Retaining Roller	Required, supplier to confirm				
34	Draw bar pin	Required, supplier to confirm				
35	Air Cleaner	Required, supplier to confirm				
36	Dip stick for oil check	Required, supplier to confirm				
37	Overhead air intake	Required, supplier to confirm				
38	Hour meter	Required, supplier to confirm				
39	Fuel Meter	Required, supplier to confirm				
40	Head lights	Required, supplier to confirm				
41	Rear Combination Lights	Required, supplier to confirm				
42	Rear View Mirrors	Required, supplier to confirm				
43	Reverse Alarm	Required, supplier to confirm				
44	Electric Horn	Required, supplier to confirm				
45	Neutral Safety Switch	Required, supplier to confirm				
46	Instrument panel	It shall be fitted with Engine oil pressure guage, Coolant temperature guage, Engine hour-meter, fuel level guage and switch key for starting				
47	Counter Weight	Required, supplier to confirm				
48	Standard tool kit	Required, supplier to confirm				
49	Mandatory spares	The supplier shall proposed mandatory spares required for trouble free operation of forklift for 2 years from the date of expire of warranty. The cost of mandatory spares is part of equipment cost and considered for bid evaluation.				
50	Predispatch inspection	CPRI Technical specification requirement compliance will be checked by CPRI representative at supplier's works before dispatch. Predispatch inspection call to be raised by supplier for above inspection work. The PDI expenditure of CPRI representaive shall be borned by CPRI.				
51	Training	Supplier shall provide the complete demonstration and training of the supplied product to CPRI staff for one day.				
52	Warranty	Warranty applicable as per CPRI Purchase terms and conditions.				

PN: 1) Mere statement of "Complied" do not suffice the requirement. The details of technical parameters in proof of CPRI requirements shall be furnished along with technical write-up, catalogues, brochures, literatures, phamplates, or any other documents shall be submitted in hard copy along with technical bid.
 2) Calibration reports/certificates, factory test reports/certificates from an accredited agencies/facilites shall be submitted wherever applicable.
 3) CPRI reserves the right to conduct "predispatch inspection" prior to dispatch at the works of the supplier and the expenditure towards PDI shall be borne by CPRI. However information regarding the rediness of the equipment/machinary for the PDI shall be communicated in writing at lease 70 days in advance.