

 EPD - BANGALORE	Purchase Specification Diesel Operated Fork Lift – 5Ton	SPECIFICATION NO. EP-WEX-DFL/5T/2018-19
--	--	--

Technical specification for 5 TON Diesel operated Forklift

Sl No.	SPECIFICATION	
1	Diesel operated forklift truck with capacity	5 Ton at 500 - 600 mm load centre.
2	MODEL NO	Bidders to specify
3	Qty	1 No
4	Engine	4 cylinder, water cooled diesel engine
5	Transmission	It should have automatic transmission system with at least two forward and two reverse speeds.
6	Steering system	Feather touch hydrostatic power steering system
7	Hydraulic system	Gear type, hydraulic pump driven by engine lift. Tilt, power steering and auxiliary functions. Control levers for lift / lower and auxiliary function. Relief valve protected hydraulic system against pressure rise due to overloading.
8	Frame	Precision aligned monocoque construction with integral fuel and hydraulic tanks.
9	Brakes	Hydraulic Brake or Pneumatic assisted Hydraulic Brake
10	Electrical system	12V (suitable AH) battery with alternator. Oil sealed and enclosed electric starter.
11	Tyres	solid tyre
12	Travel speed unladen	15-30 km/h
13	Lifting speed (Laden)	0.30 - 0.60 m/sec
14	Lowering speed (Laden)	0.30 - 0.60 m/sec
15	Gradeability (Laden)	15 to 20 %
16	Outer turning radius	2300 to 3000 mm
17	Mast	2 stage, clear view mast
18	Maximum fork height	3000 to 3700 mm
19	Fork Length	1000 -1300 mm
20	Fork Spread	300 / 1600 mm
21	Travel Speed Laden	15-20 K m/hr
22	Tilt (FWD / BKD)	6 / 10 Deg
23	Fuel	Diesel
24	Standard accessories to be supplied along with forklift	Bidders to specify
25	Capacity at maximum fork height at 500 – 600 mm load centre	5000 Kg
26	Emissions from Fork lift engine	Should conform latest applicable Indian standard pollution norms

 EPD - BANGALORE	Purchase Specification Diesel Operated Fork Lift - 5Ton	SPECIFICATION NO. EP-WEX-DFL/5T/2018-19
--	--	--

27	Party should have service and spare supports available in India	Bidders to specify address and contact no
28	SUPPLY, COMMISSIONING & TRAINING AT BHEL SITE:	The supply & commissioning of fork lift should be at BHEL EPD Transit Insurance shall be in the scope of Supplier. Unloading of Forklift shall be in the scope of BHEL. Training for Operation & maintenance should be provided to BHEL personnel during commissioning.
29	Pre dispatch Inspection	Pre dispatch inspection shall be carried out at supplier's works by BHEL engineer. Supplier has to inform well in advance (7 days) about the readiness of material for inspection. Supplier has to make all arrangement for the inspection within the quoted rate.
30	Documents required along with dispatch:	(a) Load test certificates, (b) 2 sets of O&M manual, Integrated list of Spare parts & their catalogue and all hydraulic & electrical schematic drawings (c) Guarantee Certificate - Minimum 12 month from the date of commissioning or 18 months from date of dispatch of at site whichever is early.

Qualification Criteria		
1	Bidder should be original equipment manufacturer (OEM) of the quoted item. Bidder to submit company registration certificate as a manufacturer or any other document to establish the bidder as manufacturer.	Along with offer
2	Bidder to submit copy of atleast three purchase orders for the supply of capacity 2T or more in last 3 years, from the date of bid submission.	Along with offer
3	The vendor shall submit audited balance sheet or tax returns or profit loss account for the last 3 years	Along with offer