

 <p>बी एच ई एल CUB BHEL</p>	PURCHASE SPECIFICATION DIESEL OPERATED FORKLIFT – 2000kG	Spec. No	EP:PVM:EQS:12
		Rev. No	00
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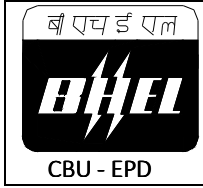
**TECHNICAL SPECIFICATION
FOR
DIESEL OPERATED FORKLIFT – 2000 kG**

**ELECTROPORCELAINS DIVISION,
BHARAT HEAVY ELECTRICALS LTD.,
IISc POST, BANGALORE, INDIA 560012**

REVISION DETAILS: (00)	PREPARED	DATE
	APPROVED	30.11.2015

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**PURCHASE SPECIFICATION
DIESEL OPERATED FORKLIFT – 2000kG**

Spec. No

EP:PVM:EQS:12

Rev. No

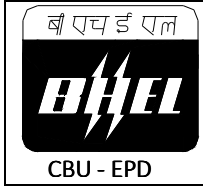
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SL. NO.	SPECIFICATION	VENDOR'S CONFIRMATION
1.	Diesel operated forklift truck with capacity 2000 kg at 500 mm load centre.	
2.	Quantity : 4 nos	
3.	Engine : 4 cylinder, 4 stroke, BS-III Compliant Industrial diesel operated engine with 12 V electrical system	
4.	Transmission: Mechanical type and having at least two forward and two reverse speeds, operating in MANUAL transmission mode. The make of the transmission shall be indicated in the techno-commercial bid.	
5.	Steering system : Feather touch hydrostatic power steering system	
6.	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.	
7.	Frame: Precision aligned monocoque construction with integral fuel and hydraulic tanks.	
8.	Brakes: Hydraulic Brake or Pneumatic assisted Hydraulic Brake	
9.	Electrical system – 12V (suitable AH) battery with alternator. Oil sealed and enclosed electric starter. Preferred Makes of Batteries : Exide, Amco, Standard, Amaron	
10.	Tyres : Should be solid tyre 2 in front and 2 rear	
11.	Travel speed : 17/18 km/h	
12.	Lifting speed (Laden / Unladen) : 0.5 / 0.60 m/sec	
13.	Lowering speed (Laden / Unladen) : 0.60 / 0.4 m/sec	

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Spec. No

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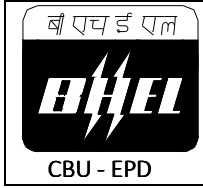
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14.	Gradeability (Laden) : 24 % minimum	
15.	Outer turning radius : 2300 to 2500 mm	
16.	Mast : HVT, clear view mast	
17.	Minimum fork height : 4000 mm	
18.	Length of Fork to Fork – Min 2500 mm	
19.	Fork Spread- 250 mm to 950 mm minimum	
20.	Travel Speed Laden – 17-18 K m/hr minimum	
21.	Tilt (FWD / BKD) - 4 / 10 Deg min	
22.	Fuel – High Speed Diesel Ultra low sulphur	
23.	Standard accessories to be supplied along with forklift	
24.	Emissions from Fork lift engine should conform to BS-III or the latest applicable Indian standard pollution norms for industrial applications.	
25.	Bidder should supply standard tool kit	
26.	Bidder should have service and spare supports available in Bengaluru, India for the forklift offered, details of the establishment with facilities and personnel for carrying out the service support and spares management shall be described in the Techno-commercial bids.	
27.	SUPPLY, COMMISSIONING & TRAINING AT BHEL SITE: <ul style="list-style-type: none"> • The supply & commissioning of fork lift should be at BHEL EPD, Bengaluru • Transit Insurance shall be in the scope of Supplier. • Training for Operation & maintenance should be provided to BHEL persons during commissioning. 	

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28.	<p>Pre dispatch Inspection</p> <p>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, inclusive of calibrated dead weight, calibrated ramp and other facility to carry out the inspection for the parameters defined in this specification.</p>	
29.	<p>Documents required along with dispatch:</p> <p>(a) Load test certificates</p> <p>(b) 2 sets of O&M manual, Integrated list of Spare parts & their catalogue and all hydraulic & electrical schematic drawings</p> <p>(c) Guarantee Certificate – Minimum 12 month from the date of commissioning or 18 months from date of dispatch of at site whichever is early.</p>	
30.	<p>Qualification Criteria</p>	
1.	BIDDER SHOULD BE ORIGINAL EQUIPMENT MANUFACTURER (OEM) OR THEIR AUTHORIZED DEALERS. BIDDER TO SUBMIT COMPANY REGISTRATION CERTIFICATE AS A MANUFACTURER OR ANY OTHER DOCUMENT TO ESTABLISH THE BIDDER AS OEM. IN CASE OF AUTHORIZED DEALERS, THE VALID AUTHORIZATION CERTIFICATE INDICATING THE SCOPE OF REPRESENTATION SHALL BE PROVIDED.	
2.	BIDDER TO SUBMIT REFERENCE FOR ATLEAST FIVE FORK LIFTS SUPPLIED IN THE LAST THREE (3) YEARS FROM THE DATE OF BID OPENING. REFERENCES SHALL BE IN THE FORM OF PURCHASE ORDER FOR THE SUPPLY, COMMISSIONING CERTIFICATE AND PERFORMANCE CERTIFICATE FROM THE USERS. BHEL RESERVES THE RIGHT FOR INDEPENDENT VERIFICATION OF THE REFERENCES.	
3.	THE BIDDER SHALL SUBMIT AUDITED BALANCE SHEET OR TAX RETURNS OR PROFIT LOSS ACCOUNT FOR THE LAST 3 YEARS	
4.	OFFER SHALL BE FOR NEW EQUIPMENT AND NOT FOR ANY REFURBISHED OR USED EQUIPMENT.	

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