

BHARAT HEAVY ELECTRICAL LIMITED, JHANSI

Specification No.	MH-10587
Item No.	MH-1/8/6347
Location	FMS
Quantity	One No.

SCOPE :

DESIGN, SUPPLY & COMMISSIONING OF 03 TON DIESEL OPERATED FORK LIFTER. COMPLYING AS PER SPECIFICATION BELOW

NOTE :

- VENDOR must submit complete information against clause No. 7.0 (Qualifying condition). The offer meeting this clause would only be processed.
- The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the VENDOR and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non-compliance.
- The offer and all documents enclosed with offer should be in English language only.

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF 03 Ton DIESEL FORK LIFT TRUCK

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS
1	Make of fork lifter	Vendor to Specify		
2	Model of fork lifter	Vendor to Specify		
3	03 Ton Diesel operated fork lift truck is required for shifting of material	Vendor to Confirm		
4	Capacity when used with 500 mm load center : 3000 KG(Min.)	Vendor to Confirm		
5	Maximum fork height -3500 mm(Min.)	Vendor to Confirm & Specify		
6	Mast - 02 Stage	Vendor to Confirm		
7	Prime mover should be fuel efficient 4 stroke Diesel engine comply to latest BS III Norms.	Vendor to Confirm		
8	Engine make - Simpsons/Mahindra/Tata/kirlosker/ashokalayland only.	Vendor to Confirm & specify		
9	Max. outside turning radius :2500 mm(max.)	Vendor to Confirm		
10	TYRES A.The front and rear wheels to be fitted with Heavy duty non- skid solid cushion rubber type tyres. Front & Rear tyre size to be specified. B.No of tyres in front /back : 2/2 No (min)	Vendor to Confirm		
11	POWER TRANSMISSION: (A) Power transmission -Automatic (B) Gear shifting -Manual/Automatic	Vendor to Confirm		
12	BRAKES A. The fork lifter should be fitted with hydraulic type foot operated service brakes. B. Hand operated parking brakes to be provided	Vendor to Confirm		
13	The forklift to be provided with Hydrostatic/hydraulic/power steering system	Vendor to specify		
14	BHP of engine:47 bhp@2000-2800RPM(Min.)	Vendor to specify		
15	Wheel base : 1600 mm(Min.)	Vendor to specify		
16	Length of forks : 1000 mm +/- 100mm(Min.)	Vendor to specify		
17	No. of forks : Two	Vendor to Confirm		
18	Width of forks : 100 mm +/- 10mm	Vendor to Specify		
19	Center distance of fork adjustable between : Max.: 900 MM (Min.)	Vendor to Specify		
20	Tilt - Forward - - Backward -	Vendor to Specify		
21	Speed of lifter in Forward / reverse at full load : 15 KM /Hr(Min.)	Vendor to Specify		
22	Max. speed at full load : Lifting: Lowering:	Vendor to Specify		
23	Max gradient gradibility at full load	Vendor to Specify		
24	Fuel Tank capacity : 35lit(Min.)	Vendor to Specify		
25	Maximum mast height with Max. fork raised :	Vendor to Specify		
26	Maximum mast height with fork lowered condition :	Vendor to Specify		
27	Exhaust should be vertical	Vendor to Confirm		
28	GAUGES:Dash board should be mounted in the front at a convenient place for clear view with different type of gauges, meters & switches etc.	Vendor to Specify		
29	DRIVER /OPERATOR SEAT:The operator's seat should be ergonomically designed for best comforts , fully tested and sturdy overhead guard with provision for clear view upwards when stacking.	Vendor to Confirm		
3	CONSTRUCTION			
3.1	The frame of forklifter should be rugged in construction and designed for maximum strength for assigned duty.	Vendor to Confirm		

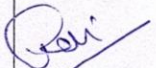
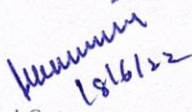
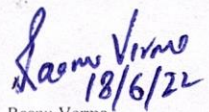
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S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS
3.2	The fork attachment should be of welded steel construction with quick adjustment facility.	Vendor to Confirm		
3.3	The fork attachment should be supplied complete with load back rest.	Vendor to Confirm		
3.4	List of standard accessories & tool kit to be supplied with lifter (with out extra cost)	Vendor to Specify		
3.5	A relief valve to be provided in the hydraulic circuit for protection against excessive pressure due to excessive loading.	Vendor to Confirm		
4.0 ELECTRICALS				
4.1	Suitable battery for starting of engine. Battery should be Exide /Amaron/ Syska/Luminous/ Hawk/ Panasonic/Microtek make only. Battery Voltage and rating must be specified in offer.	Vendor to Specify		
4.2	Self starter to be provided & neutral start protection shall be provided.	Vendor to Confirm		
4.3	An alternator should be provided for charging the battery.	Vendor to Confirm		
4.4	Forklifter should be fitted with head & tail lights.	Vendor to Confirm		
4.5	Forklifter should be fitted with a warning horn. This warning horn should be operated at the time of backward operation of the forklifter. (Reversing alarm)	Vendor to Confirm		
5.0 INSPECTION / TESTING				
5.1	The equipment shall be tested/ inspected by BHEL engineer at suppliers works in line with specification for all accessories & performance shall be check before dispatch.	Vendor to Confirm		
5.2 MISCELLANEOUS/DOCUMENTATION				
5.3	The forklift to be supplied complete with tool kit, canopy and all other standard accessories needed for successful operation.	Vendor to Confirm		
5.4	The offer should be complete with dimensional details and tech. literature of offered model.	Vendor to Submit		
5.5	Three copies of test, operation , maintenance manual & spare part list to be supplied with the forklifter.	Vendor to Confirm		
5.6	Not withstanding anything , the details in this specification, if any thing else is required for its functioning, the same shall be specifically brought out & indicated.	Vendor to Confirm		
5.7	The equipment should be commissioned by the supplier/vendor at BHEL, Jhansi (man power required for the E & C will be in the scope of vendor)	Vendor to Confirm		
5.8	E&C Time-- 04 weeks from our call.	Vendor to Confirm		
6 GUARANTEE				
6.1	The equipment is to be guaranteed in respect of material construction , operation and against any manufacturing defect for a period of 24 months from the date of commissioning. Any parts of units found defective have to be replaced free of cost.	Vendor to Confirm		
7 QUALIFYING CONDITION				
7.1	Only those vendor who have supplied and commissionend at least 03 Nos. Diesel fork lifter of 03 ton or more capacity in the past five years (from the date of opening of tender) should quote. The following supporting documents are required to meet the qualifying as above.	Vendor to Confirm		
7.2	Purchase order copy as per above to be furnished.	Vendor to Submit		
7.3	Commissioning Certificate /Service report of above fork lifters issued certified by customer .	Vendor to Submit		
8.0	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.	Vendor to Confirm		
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Y.K. Dhillon Dy. Mgr. WEX </div> <div style="text-align: center;">  Prateek Gautam Manager /FMS </div> <div style="text-align: center;">  Raanu Verma Sr. Manager/WEX </div> </div>				