

Tender No:

Annexure: A

SPECIFICATION OF DIESEL OPERATED FORK LIFT TRUCK CAPACITY – 5000 Kgs

1	Lifting Load Capacity	5000 Kgs at 600 mm load center with standard forks
2	Engine Type	Diesel
3	Tyres	Solid Rubber Cushion a) Front – 04 Nos b) Rear- 02 Nos
4	Lift Height (Max Fork Height)	3660 mm
5	Fork Details: Thickness x width x length	65 mm x 150 mm x 1220 mm
6	Fork Spread (Minimum-Maximum)	330 mm / 1510 mm
7	Tilt Angle: Forward / Backward	Minimum 6 degree / Minimum 10 degree
8	Overall width	1650 mm Maximum
9	Turning Radius	3000 mm Maximum
10	Lift speed: Laden/Unladen	0.40/0.50 m/s
11	Gradability: Laden/Unladen	18/24
12	Steering	Power steering Hydrostatic
13	Wheel base	2200 mm Maximum
14	Ground Clearance at frame	170 mm Minimum
15	Engine	Not less than 75 HP @ 2200 rpm, 04 cylinder, water cooled
16	Parking Brakes	Mechanical
17	Service Brakes	Hydraulic foot pedal
18	Warranty Requirement	As per IRS General Conditions
19	Accessories	a. Fork Extension- 1500 mm (5 T capacity) b. Side Shifter with hose adoption unit (5 T capacity)
20	Special Requirement	Technical experts of the manufacturer will fully and adequately train to the operators / maintenance staff of the consignee during commissioning of the Forklift. a. Instruction pertaining to the principle of operation. b. Maintenance schedule of the equipment to be supplied. c. Special Tools required. d. Trouble shooting.

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21	Other Requirement	<ul style="list-style-type: none"> <li>a. Diesel Engine with alternator for charging the battery.</li> <li>b. Driver overhead guard with steel reinforcement at the top for protection.</li> <li>c. Adjustable cushioned driver's seat.</li> <li>d. Instrument Panel shall have Engine oil pressure, coolant temperature gauge, ammeter, engine hour-meter &amp; fuel level gauge.</li> <li>e. Electric Horn.</li> <li>f. Ignition / Starting switch.</li> <li>g. Standard tool kit with item details &amp; qty.</li> <li>h. Rear view mirror.</li> <li>i. Rear towing hook / towing Arrangement.</li> <li>j. Light reflector.</li> <li>k. Head light- 2 nos. Rear light – 1 no, signal Lights.</li> <li>l. Consumables: Spare filter kit for engine oil, transmission, hydraulic oil suitable for 4 services.</li> <li>m. Stability testing to IS 4357: 1974 Reaffirmed 2004.</li> </ul>
22	In case the tenderer is not OEM but a dealer, he shall submit product catalogue specification from his principals / OEM along with valid authorization letter from Principals OEM duly stating that he is authorized to quote on their behalf and that the Principals / OEM would stand guarantee for the installation commissioning and warranty repairs.	



## Technical Specification of Electric Stacker

Major Parameter	1	Purpose	Stacker is used to handle palletized Load in a Warehouse / Stores for Vertical stacking / De-stacking and Transportation. The equipment is operator friendly and maneuverable in small aisle widths.
	1.0	Capacity	1.5 MT
	1.1	Type	Electric
	1.2	Load centre At	600 mm
	1.3	Fork length	1200 mm
	1.4	Width of Fork	176 mm
	1.5	Lift height	4500 MM (Minimum)
	1.6	Aisle Width	2300 mm
	1.7	Turning Radius	1665 mm (Maximum)
	1.8	Battery	24V / 280AH (Minimum)
	1.9	Ground Clearance	35 mm (Minimum)
	All dimensions indicated above are approximate subject to variation of design aspects		
	2.0	Drive Motor rating	>= AC 1.3 KW
	2.1	Lift Motor rating (S3,11%)	>=3 KW
	2.2	Travel Speed (KPH)	5.5 Kmph
	2.3	Gradient with rated load	8%
	2.4	Lifting speed (loaded)	0.1 m/sec.
	2.5	Lowering speed	0.11 m/sec.
	2.6	Brakes	Electromagnetic Brakes (Regenerative)
	2.7	Clear View Mast	Greatly improved visibility through clear mast, for greater safety and ease of operator.
Minor Parameter	3.0.0	Centre mounted full control from handle	
	3.1	MOSFET controller for jerk free operation	
	3.1.1	Polyurethane Drive Tyre	
	3.1.2	Safety Button switch for operator safety	
	3.1.3	Battery Discharge indicator with Lift Lock Out	
	3.1.4	Stand on platform for operator	
	3.1.5	Spring Loaded Drive wheel for Driving over uneven surface	
Compulsory accessories	3.1.6	Automatic speed reduction when Forks are lifted by 1 M or when operator dismounts the Stand on Platform	
	4.0	Battery charger ( min 8 hr recharge time rating)	
Warranty Requirement	As per IRS General Conditions		
Special Requirement	Technical experts of the manufacturer will fully and adequately train to the operators / maintenance staff of the consignee during commissioning of the Tristacker.		
	a.	Instruction pertaining to the principle of operation.	
	b.	Maintenance schedule of the equipment to be supplied.	
	c.	Special Tools required.	
	d.	Trouble shooting.	
		In case the tenderer is not OEM but a dealer, he shall submit product catalogue specification from his principals / OEM along with valid authorization letter from Principals OEM duly stating that he is authorized to quote on their behalf and that the Principals / OEM would stand guarantee for the installation commissioning and warranty repairs.	



**Annexure-II**

**To be submitted by the firm along with offer.**

Tender specification	Specification quoted by the firm	Deviation if any with clarification