

MATERIAL
CODE
EL8129010011



1800-01
Rev. 00

PURCHASE SPECIFICATION HIGH MAST ELECTRIC FORK LIFT 2T

ISSUE NO : 06

DOC.NO: SPV-UT-014

REV : 00

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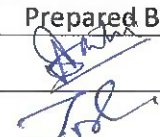
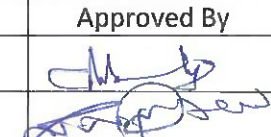
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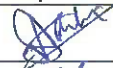
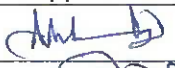
PURPOSE: Electric Forklift 2 T capacity high mast will be used for stacking finished products related to SPV 300 MW Module manufacturing plant.

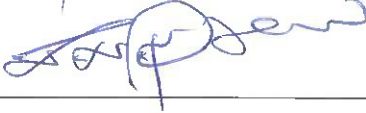
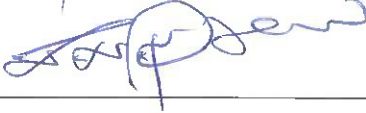
SCOPE: Scope involves supply and commissioning of forklift of required parameters as detailed below :

S/no	Parameters	Requirement of BHEL
1	Battery operated Forklift truck High Mast with capacity	2 Ton
2	Load centre , Load	500 mm , Load at Max Height not less than 1T
3	Model No	Bidder to specify
4	Qty	2 nos
5	Power Unit	Battery
6	Operation	Seated
7	Drive with twin drive motors for better traction	AC
8	Load center distance	500 mm
9	Lift Height	Min 6100 mm (up to bottom of fork)
10	Wheels, number front/rear	2 x 2
11	Tyres	Rubber/ Super Elastic/ pneumatic/ polyurethane
12	Travel speed - Indicative	15-20 km/h
13	Mast/fork carriage tilt, forward/backward a/b (°)	5 / 7
14	Overall length of FL (mm)	Bidder to indicate
15	Overall width of FL (mm)	Bidder to indicate
16	Fork dimensions	45 x 100 x 1,000
17	Fork carriage	Suitable for safe loading of 2M wide pallet
18	Width of fork carriage	Suitable for safe loading of 2M wide pallet
19	Ground clearance, below mast	Min 90 mm
20	Turning radius - Indicative	1900 to 2000 mm
21	Travel speed, with/without load (km/h) - Indicative	15- 20 K m/hr
22	Lifting speed, with/without load (m/s) - Indicative	0.3 / 0.5
23	Lowering speed, with/without load (m/s)- Indicative	0.40 - 0.60 m/sec
24	Climbing ability, with/without load (%) - Indicative	6/8

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1 st Issue	SPV PROD GROUP				8.7.19

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BHARAT HEAVY ELECTRICALS LTD.,
ELECTRIC & PHOTOVOLTAIC DIVISION, IISC POST, BENGALURU - 560012
DEPARTMENT : SPV & WEX - Projects

Ref : PR No. 50003242
 Date: 08.07.2019

LIST OF LINE ITEMS / BILL OF MATERIALS

Sl No.	Item / Description	Unit	Quantity	Rate	Amount	Remarks
1	High Mast Electrical Forklift Truck 2T	Each	2			The High Mast Electrical Forklifts per Purchase Specification No. SPV-UT-014 Complete inclusive of the following units / components and not limited to: a. Main machine unit b. Additional / Associated equipment : Other accessories as required.
2	Installation and Commissioning of the system at BHEL - EPD	Set	2			
3	Training of BHEL Staff on Operation and Maintenance					
4	Technical Documentation and other associated information					
5	Consumables for a period of 2 years	Set	1			Bidder to indicate and provide details (Option)
6	Spare Parts package for a period of 2 years	Set	1			Bidder to indicate and provide details (Option)