Specification No.	10570 (R3)
Item No.	MH-1/40/6299 & 6300
Location	FABRICATION
Quantity	TWO NUMBERS

		Quantity	TWO NUMB	
SCOP	E :			
SUPPI	Y & COMMISSIONING OF 3 T DIESEL OPERATED FORK LIFT TRUCK, CO	MPLYING AS PER SPEC	IFICATION BE	LOW
	T			
NOTE				
	1. VENDOR must submit complete information against clause No. 8.0 ( Qualifibe processed.	ying condition). The offer r	meeting this cla	use would only
	2. The " offered" Column and where applicable, the " Deviations" Column of the along with the offer. Technical details also submitted with the offer. Inadequate against any of the clauses of the specification / requirements shall be treated	e / incomplete, ambiguous,		
	The offer and all documents enclosed with offer should be in English langua	age only.		
SPECI	FICATION CUM COMPLIANCE CERTIFICATE OF 3 T FORK LIFT TRUCK			
SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE	OFFERED	DEVIATION
S.NO.	DESCRIPTION FOR BILL REQUIREMENT	CONFIRMED BY	OFFERED	DEVINTION
	PURPOSE			
1.1	3 MT Diesel operated fork lift truck is required for transporting of material from outside / inside of the store / shop floor	VENDER TO CONFIRM		
2.0	WORK PIECE MATERIAL			
	PRIME MOVER	VENDER TO CONFIRM		
2.1.1	Prime mover should be fuel efficient Diesel engine.	VENDER TO CONFIRM		
2.1.1	Forklifter is to be fitted with direct injection system, 4 stroke diesel engine.	VENDER TO CONFIRM		
2.1.2	Gear type oil pump to be provided for lubrication	VENDER TO CONFIRM		
2.1.3	Water pump and radiator to be provided for cooling.	VENDER TO CONFIRM		
2.1.4	Arrangement for cooling of Lub oil to be provided for maintaining oil viscosity oil temperature of the engine.	, VENDER TO CONFIRM		
2.1.5	Exhaust should be vertical	VENDER TO CONFIRM		-
2.1.6	Engine should be complete with fly wheel, starter, battery, electric self starter, alternator	VENDER TO CONFIRM		,
2.1.7	Engine should be neutral start	VENDER TO CONFIRM		
2.1.8	Details of fuel tank to be submitted	VENDER TO SPECIFY		
2.2	STEERING			
2.2.1	The forklift is provided with feather touch hydraulic steering system	VENDER TO CONFIRM		
2.2	TDANGMICCION			
2.3.1	TRANSMISSION  The fork lifter is provided two speed forward and backward automatic torque flow transmission system ( Auto torque converter)	VENDER TO CONFIRM		
2.4	MAST			
2.4.1	Forklift should be fitted with hydraulically operated telescopic wide view mast for smooth lift, lowering, tilt and other auxiliary functions.	VENDER TO CONFIRM		
2.4.2	A relief valve to be provided in the hydraulic circuit for protection against excessivepressure due to excessive loading.	VENDER TO CONFIRM	,	
2.5	BRAKES			
2.5.1	The fork lifter should be fitted with heavy duty ,self adjustable and self energizing hydraulically type foot operated service brakes.	VENDER TO CONFIRM		
2.5.2	Hand operated parking brakes to be provided	VENDER TO CONFIRM		
	ELECTRICALS		-	

The battery should be suitable rating for starting of engine. Battery should be vENDER TO SPECIFY exide make only. Battery Voltage and rating should be submitted with offer

2.6.2	Self starter to be provided	VENDER TO CONFIRM	
.6.3	An alternator should be provided for charging the battery.	VENDER TO CONFIRM	
.6.4	Forklifter should be fitted with head & tail lights.	VENDER TO CONFIRM	
	Electric horn to be fitted with the fork lifter.	VENDER TO CONFIRM	
	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)	VENDER TO CONFIRM	
2.7	GAUGES		
-	Desh board should be mounted in the front at a convenient place for clear view and fitted with water temp. gauge, engine oil pressure gauge, Battery charging indicator, fuel gauge, parking brake On indicator, Direction indicator, control switches etc.	VENDER TO CONFIRM	
2.8	DRIVER /OPERATOR SEAT		
.8.1	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.	VENDER TO CONFIRM	
.8.2	Comfirtable, adjustable cusion seat with back rest to be provided.	VENDER TO CONFIRM	
2.8.3	Ample leg space to be provided in the cabin	VENDER TO CONFIRM	
2.8.4	An overhead guard to be provided	VENDER TO CONFIRM	
2.9	TYRES		
2.9.1	The frount and rear wheels to be fitted with Heavy duty non-skid cusion rubber type.	VENDER TO CONFIRM .	
2.9.2	No of tyres in front /back : 2/2 No	VENDER TO CONFIRM	
2.10	CONSTRUCTION		
2.10.1	The frame of forklifter should be rugged in construction and designed for maximum strength for assigned duty.	VENDER TO CONFIRM	
2.10.2	The fork attachement should be of welded steel construction with quick adjustment facilty.	VENDER TO CONFIRM	46-111
2.10.3	The fork attachement should be supplied complete with load back rest.	VENDER TO CONFIRM	
2.11	List of standard accessories to be submitted with offer	VENDER TO SPECIFY	
2.12	List of optional Accessories with item wise prices to be sbmitted.	VENDER TO SPECIFY	
3.0	SPECIFICATION:		
3.1	Capacity when used with for attachment at 500 mm load center: 3000 KG	VENDER TO CONFIRM	
3.2	Capacity when used with for attachment at 900 mm load center : 1500 KG	VENDER TO CONFIRM	
3.3	Power type : Diesel Engine	VENDER TO CONFIRM	
3.4	Engine make - Simpsons/Parkins/Kirloskar/Tata	VENDER TO SPECIFY	
3.5	BHP of engine	VENDER TO SPECIFY	
3.6	4 Stroke Engine	VENDOR TO CONFIRM	
	Gear type oil hydraulic pump for lubrication	VENDER TO CONFIRM	
	Radiator for cooling	VENDER TO CONFIRM	
	Non- skid heavy duty cusion rubber type tyre	VENDER TO CONFIRM	
7.5.5	Hyd. System for lowering/hoisting/tilting	VENDER TO CONFIRM	- comment
	Power steering	VENDER TO CONFIRM	
	Transmission : 2 speed Auto torque converter	VENDER TO CONFIRM	
	Over head guard	VENDER TO CONFIRM	
	Overall height with mast lowered : 2300-2500 mm	VENDER TO CONFIRM	
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3.16			-
5.10	Minimum overall height raised : 4000 mm	VENDER TO CONFIRM	
3.17	Clearance under mast : 105 mm(±10%)	VENDER TO CONFIRM	
3.18	Ground clearance under wheel base : 210 mm ( ± 10% )	VENDER TO CONFIRM	
3.19	Length of forks : 1000 mm(Min)	VENDER TO SPECIFY	
3.20	No. of forks : Two	VENDER TO CONFIRM	
3.21	Width of forks : 100 mm(Min)	VENDER TO SPECIFY	
3.22	Center distance of fork adjustable between : 300-950 mm	VENDER TO CONFIRM	
3.23	Wheel base : 1600mm(±5%)	VENDER TO CONFIRM	
3.24	Minimum outside turning radius : 2500 mm	VENDER TO CONFIRM	
3.25	Tilt - Forward - 5 degree & Backward - 10 degree	VENDER TO CONFIRM	
3.26	Maximum speed of truck in Forward / reverse at full load : 18 KM /Hr	VENDER TO CONFIRM	
3.27	Minimum Lifting/Lowering speed at full load : 24 Meter / hr.	VENDER TO CONFIRM	
3.28	Minimum gradient at full load/No Load : 20%	VENDER TO CONFIRM	
4.0	INSPECTION / TESTING		
4.1	The equipment shall be tested/ inspected by BHEL engineer at suppliers works as per test chart in accordance to IS for all accessories & performance before dispatch.	VENDER TO CONFIRM	
5.0	MISCELLANEOUS		
5.1	The forklift to be supplied complete with tool kit, canopy and all other standard accessories needed for successful operation.	VENDER TO CONFIRM	
5.2	The offer should be complete with dimensional details outline general arrangement drawing with complete details of engine, power transmission, hydraulic system with circuit diagram and write up explaining special features.	VENDER TO CONFIRM	
5.3	Recommended spares for 2 years normal working to be quoted with item wise prices.	VENDER TO CONFIRM	
5.4	Optional equipment to be quoted for environmental protection.	VENDER TO CONFIRM	
5.5	Four copies of test, operation , maintenance manual & spare part list to be supplied with the forklifter.	VENDER TO CONFIRM	
	A SECTION OF THE PROPERTY OF T		
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.	VENDER TO CONFIRM	
	required for its functioning, the same shall be specifically brought out &	VENDER TO CONFIRM  VENDER TO CONFIRM	
5.7	required for its functioning, the same shall be specifically brought out & indicated.		
5.7 <b>6.0</b> 6.1	required for its functioning, the same shall be specifically brought out & indicated.  The equipment should be commissioned by the supplier at BHEL, Jhansi		
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