



TECHNICAL SPECIFICATION FOR HYDRAULIC SCISSOR LIFT TABLE				
QUALIFYING CRITERIA				
Sl. No.	Details	Vendor to confirm	Deviation if any	
1	Only those vendors, who have Supplied hydraulic scissor lift table of capacity 1 Ton or more for at least to one company in the past five years as on the date of opening of this tender can participate in the tender, for which the Purchase order copies and one Performance certificate are to be submitted along with the offer.			
2	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.			
SPECIFICATION				
1	Capacity of the lift table	1 Ton		
2	Maximum Height	20 feet		
3	Minimum Height	Vendor to specify		
4	Platform Size	8 feet X 5 feet Antiskid MS chequered plate		
5	Safety railing height of platform	3 feet on all 4 sides and detachable		
6	Number of Scissor in the lift table	Vendor to Specify		
7	Material of scissors	Vendor to specify the scissor material for high rigidity and dimension to be used.		
8	Base Structure	Vendor to specify the base structure material for high rigidity and dimension to be used.		
9	Wheels	4 number of heavy duty wheels of suitable diameter fitted with double ball bearings. Wheel dia vendor to specify		
10	Parking jacks	Parking jacks to fix the lift table to the ground to be provided to stabilize the lift		
11	Hand bar to pull the ladder	Vendor to provide suitable hand bar		
12	Lifting	Electro hydro control - Electrically Operated through push button pendant and Platform is to be lifted by hydraulic cylinders.		
13	Hydraulic Unit	Hydraulic unit shall consist of 2 numbers of inclined hydraulic cylinders with internal honed pipe having hard chrome Plated piston and hard chrome Plated piston rod and polyurethane seals with one number of power pack Unit.		



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14	Manually Operated Lowering Valve	To bring down the platform in case of power failure.		
14	Cylinder Mounting Box	Vendor to specify the base structure material for high rigidity and dimension to be used.		
15	The power pack unit shall consist of following components; (a) Hydraulic Mild Steel tank - Capacity to be confirmed by vendor (b) Gear Pump- Vendor to confirm make and spec. (c) 3 phase Electric motor of suitable capacity- Vendor to confirm make and spec. (d) Electric operated solenoid valve- Vendor to confirm make and spec. (e) Flow control valve- Vendor to confirm make and spec. (f) Oil level indicator- Vendor to confirm make and spec. (g) Pressure gauge- Vendor to confirm make and spec. (h) Pressure relief valve- Vendor to confirm make and spec. (i) Suction filters and Breathers- Vendor to confirm make and spec. (j) Pilot operated check valve- Vendor to confirm make and spec. (k) Required Hoses of suitable size- Vendor to confirm make and size. (l) Any Other fittings and accessories required for the operation of power pack.			
16	Electrical System	The continuous running power pack unit shall have motor of suitable capacity, starter with 12 metres long cables.		
17	The cylinder unit shall be provided with limit switch and Push Button control with Panel Board. Vendor to confirm make and spec. The electric panel shall have Starter contactors, MCB's, push buttons, Limit switches and Terminal strip, Overload relay and Phase Failure Relay. Vendor to confirm make and spec. The control panel/cabinet is to be mounted within the power pack at the ground level			
18	Controls	UP, DOWN and EMERGENCY STOP to be controlled through Pushbuttons provided outside the Plat From. The lift shall stop automatically when the platform reaching desired Floor level by actuation of pre-adjusted levelling limit switches.		
19	Scope of vendor	Supply, Installation, Commissioning and training is in the scope of the supplier.		
20	BHEL Scope (If any)	To be specified by the vendor.		



GENERAL TERMS:

- (a) All the hydraulic components should be of Rexroth / Vickers/Eaton / Parker make.
- (b) The electric motor should be of following Makes: ABB / Kirloskar / Siemens / Crompton / NGEF / Alstom/Bharat Bijilee only acceptable. The input supply for power will be of 415V +/- 10%, 3 phase, 4-wire system. Only 415 V power supply will be provided by BHEL. Suitable transformer (make to be specified by vendor) if required is to be provided in the control panel by the supplier.
- (c) All the fasteners shall be coated with anti corrosive primer to prevent rust.
- (d) The supplier should provide the complete hydraulic circuit of power pack with bill of materials giving specification and make of the components used, along with offer.
- (e) O&M Manual (2 copies with one soft copy), Catalogue/GA Drawing of the Hydraulic Scissor lift table is to be submitted along with offer.
- (f) The Hydraulic Scissor lift table will be tested and inspected by BHEL personnel at supplier's works before dispatch. However vendor to submit factory test reports for dispatch clearance.
- (g) Warrantee shall be for a period of 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.
- (h) Delivery period to be 2 months/8 Weeks from the date of purchase order.