

TECHNICAL SPECIFICATION AND TRIAL DIRECTIVES OF HYDRAULIC JACK 20 TON

S/No	Specification	Requirement	Trial Directives
WEDGE JACK			
1	Working Pressure	700-750 Bar	BOO to check and verify through Lab test reports from govt/NABL approved labs.
2	Lifting Height	50mm Minimum	BOO to physically check the parameter.
3	Insertion height	Not more than 14 mm	BOO to physically check the parameter.
4	Spreading Force	20T or more	BOO to check and verify through Lab test reports from govt/NABL approved labs.
5	Wedge angle	15° Min	BOO to physically check the parameter.
6	Weight, ready for use	Not more than 15 Kgs	BOO to physically measure the weight of equipment.
TOE JACK			
7	Insertion height toe	Not more than 60 mm	BOO to physically check the parameter.
8	Low cap height	More than 12"	BOO to physically check the parameter.
9	Stroke	250 mm Minimum	BOO to physically check the parameter on the ground.
10	Lifting Force at the center	12 T Minimum	BOO to check and verify through Lab test reports from govt/NABL approved labs.
11	Lifting force on the toe	10 T Minimum	BOO to check and verify through Lab test reports from govt/NABL approved labs.
12	Temperature reach	-20°C + 60°C	BOO to check and verify through Lab test reports from govt/NABL approved labs.
13	One Hydraulic foot pump along with 10 meter hose matching with Toe Jack and Wedge Jack is also required.		BOO to physically check the parameter on the ground.
14	Certification	The OEM/Supplier must provide complete test reports for confirmation of compliance from any NABL/Govt. Accredited lab.	BOO to physically check the certification for conformity to the specifications provided by the firm.
15	Training	i. Two days base workshop level training to NDRF personnel in OEM/Firm	BOO to check the undertaking from firm/OEM.

		<p>premises/Location on full-fledged running, testing, diagnostic, trouble shooting, maintenance, techniques for detection and calibration.</p> <p>ii. 01 day operator level training should be provided at user defined location</p>	
16	Manual and Literatures	<p>i. User Operation Manual/technical Manual.</p> <p>ii. Detailed operators' instructions.</p> <p>iii. Technical literature.</p> <p>iv. Maintenance manual,</p> <p>v. Inspection standards be provided with the equipment</p>	BOO to physically check the Manual and Literature provided by the firm/OEM.