

Technical Specifications and Trial Directives of Air Lifting Bag Set with Air Cylinders



S/No.	Nomenclature	Technical Specifications	Trial Directives
1	General	Airlifting bags are pneumatics appliances that Can be used for a variety of lifting purposes in rescue works in the wake of vehicle and railroad accidents, collapsed shelters or road clearance works amongst other situations. They can be slid into spaces below loads where normal jacks cannot be positioned. They will be easy in maintenance effort, durable and light weight. Each bag to have built in moulded handle for easy carrying by one person	
2	Scope of Supply	08(Eight) or more Air Lifting bags with varying lifting capacities to cover entire range upto 95 tons or more.	BOO to physically check and verify the parameter through OEM certification.
3		Each set will be provided with the following accessories to operate up to eight or more bags at a time:- <ul style="list-style-type: none"> • 8 inflation hoses 5 m long in four different colours (two each) with push lock couplers. • 8 inflation hoses 10 m long in four different colours (two each) with push lock couplers. • 8 shut-off hoses with safety valves and 0.5 m hose. 	BOO to physically check and verify through OEM certification.

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		<ul style="list-style-type: none"> • 4 Single control units, 08 bar or more. • 04 double deadman controllers with pressure gauges and safety valves, for filling & emptying 2 bags • 4 pressure reducers for air cylinders 200/300 bars • 4 connection pieces for 2 air cylinders. • 6 compressed air cylinders 300 bar, 5 to 6 litres. • One airbag testing device per three sets of airbags 	
4	Specifications	The bag should be of multiple layers of Kevlar Armed construction.	BOO to check and verify the parameter through lab test report from Govt./NABL-accredited labs.
5		The thickness of the bags should not exceed 30 mm. The set of bags should provide lifting options from a minimum of 7 cm for the smallest size to more than 50 cm for the highest size.	BOO to physically check and verify the parameter.
6		They should have anti-slip surfaces to provide good grip and high traction between the bag and the surface of the object to be lifted as well as when stacked on top of each other. Markings for centring should be provided along with fluorescent labels at corners for recognition in the night. Each bag should have its own storage bag.	BOO to check and verify through OEM certification.
7		Operating pressure minimum 08 bars or above. Bursting pressure should not be lower than 32 bars or above. The testing pressure to be flowed will be 1.5 times the operating pressure.	BOO to check and verify the parameter through lab test report from Govt./NABL accredited labs/ International labs
8		Operating temperature -20 to 60 degrees centigrade.	BOO to check and verify through lab test reports from govt./NABL approved labs/ International labs.






