3. (B) Technical Specification of Synthetic Life Jackets for Survivor

S/No.	Specification	
1.	**Approval**	i. It should be IRS/SOLAS/CE/IS/ BIS approved and stamped. ii. It should have Retro-reflective tape SOLAS approved. iii. Buoyancy factor should be checked at a Govt accredited/certified lab.
2.	**Colour**	It should be High- Visibility Orange colour fabric cover
3.	**Adjustable buckle**	It should have Adjustable 3- buckle for tightening and specially designed with Velcro fitment for easy /quick donning in an emergency.
4.	**Construction**	It should have Special construction of the jacket allows the wearer quick turning in case of being knocked unconscious in water, confirming to 150N ISO-12402-(all parts) of latest version which deals with PFDs.
5.	**Floatability**	It should have Floatability approx. 15 Kg + EN 396 or 150N ISO 12402-7or CE/or IS: 6685-2009 or equivalent.
6.	**Inner foam**	It should have made of 500- denier Cardura.
7.	**Size**	It should be of universal fit to all size.
8.	**Weight**	It should not be more than 1.5 kg
9.	**Accessory**	It should have Whistle and reflective elements.
10.	**Buoyancy**	It should be designed to provide buoyancy for 150 kg of weight for 72 hours.
11.	**Shelf life**	It should have Shelf life of 05 years.
12.	**Additional Features**	Life jacket should not move towards neck during jumping into water from a height 10 to 15 feet and strap should remain intact.