3. (A) Techical Specification of Synthetic Life Jackets for Rescuers

S/No.	Specification	
1.	Approval	i. It should be IRS/SOLAS/ CE/ISO/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	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.	Inner foam	It should have made of 500-denier Cardura.
6.	Size	It should be of universal adult size.
7.	Floatability	It should have Floatability approx. 15 Kg + EN 396 or 150N ISO 12402-7or CE/or IS: 6685-2009 or equivalent.
8.	Accessory	It should have whistle & reflective elements.
9.	Shelf life	It should have Shelf life of 05 years.
10.	Weight	It should not more than 2 Kg
11.	Buoyancy	It should be designed to provide buoyancy for 150 kg of weight for 72 hours.
12.	Additional Features	i. It is desirable to have large front pockets stretch to hold carabiners, web, a GPS, or a radio set. ii. Life jacket should not move towards neck during jumping into water from a height 10 to 15 feet and strap should remain intact. iii. It should have shoulder and side adjustments which allows a one-size- fits-all jacket to accommodate different body types of rescuers. iv. It must have an emergency release tether for swift water rescue. v. Roomy arm holes, adjustable side tabs, marine mesh inner lining and 3M reflective material, SOLAS grade required for the rescuer. vi. Crotch strap- it keeps the jacket stable on chest region. vii. Tethering hook on back side of life jacker: for safety of rescuers as ropes can be attached to it.