Technical Specifications for Life Jacket for Infant/Child

S/No.	Specification	Life Jackets for Infants	Trial directive
1.	**Approval**	i. It should be IRS/SOLAS/BIS approved and stamped. ii. It should have Retro-reflective tape patches SOLAS approved. iii. Buoyancy should be checked at a Govt accredited/certified lab. iv. Certifications - NISO 12402-7 or BIS:6685- 2009	To be physically checked and verified by the BOO through relevant certifications
2.	**Colour**	High-Visibility Orange colour fabric cover.	To be physically checked by the BOO.
3.	**Adjustable buckle**	It should have Adjustable 3-buckle for tightening and specially designed with Velcro fitment for easy/quick donning.	To be physically checked by the BOO.
4.	**Construction**	The jacket design should allow the wearer quick turning in case of being knocked unconscious in water. Confirming to 150NISO-12402-(all parts) of latest version which deals with PFDs.	To be physically checked by board and verified by the BOO through relevant certifications.
5.	**Floatability**	It should be capable to float a child with weight 40.0 Kg.	To be physically checked and verified through relevant certificate from govt approved lab.
6.	**Inner foam**	Closed cell Foam.	To be physically checked and verified through relevant certificate from govt approved lab.
7.	**Outer foam**	Made of 500 denier cordura	To be physically checked and verified by the BOO including relevant certifications
8.	**Size**	It should be of universal fit to all size (child).	To be physically checked by the BOO
9.	**Weight**	1.0 Kg max	To be physically checked and verified by the BOO.
10.	**Accessory**	It should have whistle and reflective elements.	To be physically checked by the BOO.
11.	**Buoyancy**	It should be designed to provide buoyancy for 40 kg of weight for 72 hours.	To be physically checked by the BOO through relevant certificate from govt approved lab.
12.	**Shelf life**	It should have shelf life of 05 years.	To be physically checked by the BOO through OEM certificate.
13.	**Additional Features**	Should have groin strap/crotch loop.	To be physically checked by the BOO.