

QUALITATIVE REQUIREMENTS & TRIAL DIRECTIVES OF EXPLOSIVE CHARGE CONTAINERS AND DISRUPTOR TOOLS

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1.	<u>General</u> Explosive charge containers and disruptor tools should be able to achieve targeted and general disruption of objects of all shapes and sizes.	To be physically checked by BOO
2.	<u>Design</u> (a) Should facilitate positioning of the containers against the target on plain as well as rough surfaces with commensurate stability.	To be physically checked by BOO
	(b) Should facilitate the positioning of containers against the target at axial and lateral incline of upto 20 degrees.	To be physically checked by BOO
	(c) Containers of same shape and size should be modular in nature which can be attached together to magnify the disruption capability.	To be physically checked by BOO
	(d) Design of the charges should not compel compromise on safety aspects related to explosive placement, detonator placement, electric and non electric firing of the charges.	To be physically checked by BOO
	(e) The design of containers should facilitate carriage and placement by ROV.	To be physically checked by BOO
3.	<u>Operability</u>	
	(a) The containers must be water based disruptors.	To be physically checked by BOO
	(b) All explosive items required for firing the disruptor tools must be of Indian ordnance origin.	To be physically checked by BOO
	(c) In case of targeted disruption the effect of explosion should converge in one direction and produce a shaped charge effect.	To be physically checked by BOO
	(d) The capability of all types of containers should be calculated and specified in the user manual for- (i) Soft targets- Cardboard and Cloth (ii) Hard target- Wood, plastic, acrylic sheet etc (iii) Metals- Steel, Iron, copper etc	To be physically checked by BOO
	(e) The explosive charge containers should come in min three categories i.e. small, medium and large with a min capability to cut through 10 mm steel and max capability to cut through 100 mm of steel.	To be ascertained by live firing of charges.
	(f) The quantity of explosives filled in the disruptors should not cause sympathetic detonation of the target IED/Bomb.	To be physically checked by BOO
(g) The set of disruptor tools should have some arrangement to place multiple charge containers at variable heights above the ground level upto 2m.	To be physically checked by BOO	
4.	<u>Durability</u>	
	(a) Material configuration of the containers should not get altered due to prolonged exposure to water and moisture.	Certificate to be provided by OEM
	(b) Storage conditions should be- (i) Temperature- -10 to 55 degrees centigrade (ii) Humidity- 80%	Certificate to be provided by OEM