

### QUALITATIVE REQUIREMENT/DRAFT TDs OF PBI KIT

Ser No	Qualitative Requirements	Draft TDs
1	Marking Tape roll (barrier & zone marking) 200 mtrs with 20 light weight pickets.	To be physically checked by BOO
2	<b><u>Polaroid Camers - One</u></b>	Under taking Certificate by the firm to be provided
	(i) Built in rechargeable electronic flash.	
	(ii) Automatic Focussing system.	
	(iii) Built in Close Up lenses.	
	(iv) Rugged, compact can be used outdoors.	
	(v) Should have lighten/darken control.	
	(vi) Tripod stand for static mode of photography.	
3	<b><u>Digital Camera – One</u></b>	Under taking Certificate by the firm to be provided
	(i) 3 pixels.	
	(ii) Inbuilt 128MB memory chip.	
	(iii) Single button facility for simple to transfer pictures to computer for printing & e-mailing.	
	(iv) Quick rechargeable battery pack include with the camera.	
	(v) Automatic flashing system.	
	(vi) Auto timer facility.	
	(vii) Battery charger should be provided with the camera.	
4.	Recovery Magnet 5" – 3 Nos.	To be physically checked by BOO
5.	20 flags of size 6" x 6" with Iron pegs of 2'.	To be physically checked by BOO
6.	10 Sign Boards (Area searched and to be searched).	To be physically checked by BOO
7.	Packet of 100 Zip Bags of izes 6", 12" and 3'.	To be physically checked by BOO
8.	100 Hand gloves disposable.	To be physically checked by BOO
9.	100 Gas Masks.	To be physically checked by BOO
10.	Wire Mesh strainers of size 2".	To be physically checked by BOO
11.	Writing pad, pen, pencil and eraser.	To be physically checked by BOO

12.	Cello, duck, nylon tape.	To be physically checked by BOO
13.	Measuring Scale 12" and 6"	To be physically checked by BOO
14.	Measuring tape 5' and 100'	To be physically checked by BOO
15.	Digging tools light weight ie. Pickaxe and shovel of size 2'.	To be physically checked by BOO
16.	Hacksaw frame with blade (Small 6" & Large 18").	To be physically checked by BOO
17.	Axes small 5".	To be physically checked by BOO
18.	100 Incidents report forms of 3 pages each	To be physically checked by BOO
19.	10 Permanent Sketch markets of different colour	To be physically checked by BOO
20.	PBI JACKET with 10 pockets of various sizes and with adjustable Velcro setting. Sample will have to be approved before final procurement	To be physically checked by BOO
21.	LEATHERMAN Tool Set US tool kit having various bomb technician tools akin to Swiss knife, but having more tools.	To be physically checked by BOO
22.	PBI Kit Box to keep all above items (VIP suitcase of 30" size).	To be physically checked by BOO

**QUALITATIVE REQUIREMENT/DRAFT TDs OF EXPRESS KIT**

<b>Ser No</b>	<b>Qualitative Requirements</b>	<b>Draft TDs</b>
1	Minimum Maintenance.	Under taking Certificate by the firm to be provided
2	Should be easily carried.	To be physically checked by BOO
3	Should be Operative in all weather condition .	Under taking Certificate by the firm to be provided
4	Should be easy to use.	To be physically checked by BOO
5	It should contain various types of sprays and pocket pack of collection pa groups of explosives.	To be physically checked by BOO
6	Should have colour code display card.	To be physically checked by BOO
7	Should not pose any risk for technician and the environment.	Under taking Certificate by the firm to be provided
8	Should have fast reaction and quick results facility.	(i) To be physically checked by BOO  (ii) To be tested with atleast 5 samples of explosives (Such as TNT, PEK, GC slab, PETN, RDX) and the result should match the colour code.
<b><u>Technical Requirements</u></b>		
9	Should be capable to detect all type of explosives of various groups be explosion.	(i) To be physically checked by BOO  (ii) To be checked with 4 different groups of explosives (TNT, NG, RDX, PETN)
10	Should be able to detect inorganic nitrates.	To be physically checked by BOO
11	Should be able to detect the nuclear residue/materials.	Under taking Certificate by the firm to be provided
12	It should have operating temp of -10 to +55 degree Celsius.	Under taking Certificate by the firm to be provided

13	It should have power source with rechargeable battery.	(i) To be physically checked by BOO (ii) Under taking Certificate by the firm to
14	Should be capable of upgradation to an advanced version in future.	Under taking Certificate by the firm to be provided
<b><u>Spares</u></b>		
15	The manufactures should provide spares as follows.	
	(a) Electronic components 03 years spares	To be physically checked by BOO
	(b) Non electronic component 05 years spares	To be physically checked by BOO
<b><u>Training</u></b>		
16	Manufactures should train our pers on use of eqpt for a specified period of as per terms as decided at the time of acceptance of tender.	
17.	Should provide repair backup within Delhi directly or through a subsidiary.	
18.	Should provide AMC directly or through a subsidiary after expiry of warranty period.	Under taking Certificate by the firm to be provided
<b><u>Justification</u></b>		
19.	The equipment is used by PBI teams for identification of explosive at the site of explosion.	Under taking Certificate by the firm to be provided
20.	The On the Spot testing of explosive is an inescapable requirement of the PBI team.	
21.	This capability will give the investigators more lead to carryout speedy investigation.	
22.	This kit will also be used for imparting training to BD students.	

## QUALITATIVE REQUIREMENT/DRAFT TDs OF DIGITAL CAMERA

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1.	<b>Type</b> – Digital, anti fog CMOS type lens with inbuilt flash.	Under taking Certificate by the firm to be provided
2.	<b>Resolution</b> – Greater than 12 Mega pixel.	Under taking Certificate by the firm to be provided
3.	<b>Shooting Capacity</b> – Greater than 5 fps (frame per second)	Under taking Certificate by the firm to be provided
4.	<b>Storage media type</b> – CFC/Micro drive/SD type.	To be physically checked by BOO
5.	<b>Sensitivity</b> – ISO equivalent 100-6400 for image sizes upto.	Under taking Certificate by the firm to be provided
6.	<b>LCD Monitor</b> – Minimum 6.4cm wide high resolution LCD Monitor.	Under taking Certificate by the firm to be provided
7.	<b>Live view</b> – Available in all modes.	To be physically checked by BOO
8.	<b>Inter face</b> – High speed USB.	To be physically checked by BOO
9.	<b>Exposure mode</b> – Auto programmed.	
	(a) Auto Shutter Priority.	To be physically checked by BOO
	(b) Auto aperture.	To be physically checked by BOO
	(c) Manual.	To be physically checked by BOO
10.	<b>Focus</b> – Auto and Manual.	To be physically checked by BOO
11.	<b>Shutter Speed</b> – 1/8000 to 30 second.	Under taking Certificate by the firm to be provided
12.	<b>Camera Software</b> – Windows compatible downloading/editing.	Under taking Certificate by the firm to be provided
13.	<b>Weight without battery</b> – less than 1 Kg.	To be physically checked by BOO
14.	Each camera should include following accessories:-	
	(a) Rechargeable Li-Ion bty or equivalent bty – 02	To be physically checked by BOO

	(b) Battery Chargers – 01	To be physically checked by BOO
	(c) Camera Bag, body cap & hand strap.	To be physically checked by BOO
	(d) Storage media – 4GB or more.	To be physically checked by BOO
	(e) High speed USB and AV connectors.	To be physically checked by BOO
15.	Standard accessories as per OEM literature.	Under taking Certificate by the firm to be provided
16.	<b>Zooming:</b> (a) Optical Zoom – Minimum 12 x (b) Digital Zoom – Minimum 10 x	To be physically checked by BOO