

## NOTE

**The items concerned being technology intensive equipments. It is likely that different OEMs may have products with specifications which are not uniform. In this context it is informed that the specifications mentioned are indicative of core requirements and that during evaluation and selection of the product, weightage will be given to performance and capability of the product under required conditions. However materially substantial variations in specifications are likely to lead to disqualifications.**

### **Tender No. 44/2011**

#### **DEEP SEARCH METAL DETECTOR**

1. For the detection of mines & IEDs underground and under water
2. Able to detect metallic objects above 3 feet under the ground/ water
3. Detects all metals.
4. Multi zone detection (6 or 4) desirable
5. Waterproof and lightweight probe with telescopic/foldable handle.
6. Lightweight control unit with inbuilt battery.
7. Easy to operate ( User friendly features)
8. Audio alarm with volume control and visual alert/ indication system.
9. Earphone facility should be provided as optional
10. Long life Rechargeable battery and Spare battery (with battery charger separate or inbuilt)
11. Sturdy, light weight Carrying case
12. Operation Manual
13. Three years warranty
14. Availability of local service centre is desirable.
15. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
16. The supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

**Tender No. 45/2011**

**X-RAY BAGGAGE SCANNER**

1. Resolution : 40 SWG or better
2. Penetration : 30 mm steel or better
3. Tunnel size : Minimum 500mm X 300mm
4. Display: Flicker free display without corner cut off
5. Multi Energy Imaging
6. Ability to distinguish between organic & inorganic materials
7. Variable edge enhancement
8. Variable colour stripping
9. Variable density zoom
10. Zoom facility
11. View previous bag
12. Date and time display
13. UPS with 1 hour backup
14. Monitor: – Colour monitor minimum 19"
15. Image storage facility (Capacity: 320 GB or higher)
16. Search indicator
17. Inbuilt software for Training programme
18. The system should comply with international health and safety regulations. No leakage of radiation hazardous to the handlers. Certificate from the competent authority should be produced in this regard. Certification for radiation safety in accordance with international standard.
19. Operation manual
20. Three years warranty (onsite replacement warranty)
21. Availability of local service centre is desirable.
22. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
23. The supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

**Tender No. 46/2011**

**PORTABLE PARCEL SCANNER (PORTABLE X-RAY UNIT)**

1. It should be a Digital model.
2. It should consist of a portable constant potential X-Ray Generator and state of the art self contained Robust scanning detector.
3. Both the parts must have self-contained sources of power so that in a real life situation we are not handicapped for want of a power outlet.
4. X-Ray Generator, Image capturing unit (camera) and Monitor (Lap Top), should be three separate units and having corded and cordless operation.
5. The detector must have a cordless operation with a laptop for receiving the information with a range of at least 100 meter. (No cable connection between X-Ray Generator, X-Ray Detector and Laptop while cordless operation)
6. Non line-of-sight operation.
7. Easy to set up and minimum warming up time.

**X-Ray Generator:**

8. It should work with common portable X-Ray. It should work with DC and AC. The X-Ray generator should be adjustable from 60 KV to 160 KV or better.
9. Penetration: 30 mm steel or better

**Image Capturing Unit:**

10. The image capturing unit/camera must be large size sufficient for screening of a suitcase. Desirable size – 500 mm X 400 mm or better.
11. High performance CCD Cameras.
12. It should be tripod mountable with tripod stand.

**Monitor:**

13. Image analysis should include Zoom, Reverse black and white, Pseudo colour, Pseudo 3D and measure, show gradient, rotation, distance, contrast enhancement.
14. Image print and E-mail, should be able to archive a large number of images on hard disks itself. Image should have a good resolution.
15. Capable to identify thin wire – Resolution: – 40 SWG

**General:**

16. Long life rechargeable battery with spare battery and charger.
17. It is desirable to detect narcotics, hidden contraband and preferably also hidden currency notes.

18. Operation manual
19. Three years warranty
20. Availability of local service centre is desirable.
21. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.

The supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

## **Tender No. 47/2011**

### **CONTRABAND DETECTOR**

1. It should be able to detect explosives, drugs, weapons, currencies etc. hidden in places like automobile tyres, doors, fender, bumpers, fuel tanks, pipes as well as aircraft structures, boat hulls and building walls.
2. It should have a digital display visible in all conditions and an audio beep that increases in rate as it is detects more contraband material.
3. It should be lightweight and hand held system.
4. System should comply with international safety regulations regarding radiation.
5. Certification for radiation safety in accordance with international standard.
6. Longlife Rechargeable battery with charger and spare battery.
7. Operation manual.
8. Three years warranty.
9. Availability of local service centre is desirable.
10. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
11. The Supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email ad-

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**Tender No. 48/2011**

**SEARCH LIGHT(LED Search Light)**

1. It should be portable and light-weight (below 2 Kg)
2. Toughened front glass.
3. Simple to use - Switches for easy and smooth operation.
4. LED indication for low battery.
5. High powered LED Lamp.
6. Provision for Dim and Bright (Desirable: Three position Switch for Dim – Bright – Off)
7. Water resistant and shock resistant body.
8. Longlife Rechargeable battery and inbuilt battery charger.
9. Both indoor and vehicle chargeable.
10. Illuminating time - 5 Hours or better.
11. Operation manual.
12. Three years warranty.
13. Availability of local service centre is desirable.

**Tender No. 49/2011**

**BOMB SUPPRESSION BLANKET**

1. Size of the Blanket should be 1.5 meter X 1.5 meter or better.
2. Blanket should be made up of 26-30 layers of 180 GSM Kevlar or better.
3. The company should produce the certificate of F3 level protection, from TBRL.
4. The company should supply safety ring also having 24" height, 24" diameter or better and made up of thick polycarbonate sheet and Kevlar.

5. The Bomb Suppression Blanket and safety ring should have heavy-duty nylon webbing handling straps, which permits the safe placement on a potentially explosive device.
6. Three years warranty
7. Availability of local service centre is desirable.
8. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.

### **Tender No. 50/2011**

#### **UNDER VEHICLE SEARCH MIRROR**

1. It should have minimum 15" X 15" Convex/Plain Mirror on a flat trolley with 4 cotter wheels and telescopic extendable handle with release clip.
2. Good quality mirror for longlife.
3. A detachable CFL Lamp as source of light during day and night.
4. Three years warranty.

### **Tender No. 51/2011**

#### **EXTENSION MIRROR**

1. It should have an adjustable Convex/Plain Mirror (size: 9" X 5" or better) which maximizes the field of vision.
2. Light weight.
3. Adjustable Torch Mounting.
4. Telescopic extension handle.
5. Three years warranty

### **Tender No. 52/2011**

**PRODDER**

1. Light weight, metallic and folding type
2. Non conducting material in the handle for the safety of the handler
3. Length above 1 meter
4. Desirable: Detachable prodding cone and handle.
5. Three years warranty

## **Tender No. 53/2011**

### **ENDOSCOPE**

1. It should be able to check hard to reach zones and closed cavities by visual inspection.
2. Instrument is sealed against ingress of water, oil and aviation fuel.
3. Able to search deep hole, pipe and dark place.
4. The insertion tube should have length of 1 meter to 5 meters with articulating tip.
5. The video image should be displayed on a LCD monitor (3.5" or better) fitted with anti-glare screen.
6. Sensor: CMOS 3 Mega pixel or better
7. Rechargeable battery with spare battery charger
8. Operation manual.
9. Three years warranty.
10. Availability of local service centre is desirable.
11. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
12. The Supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

**Tender No. 54/2011**

**BOMB INHIBITOR**

1. It should effectively contain the blast pressure wave, thermal effects and fragmentation of 2 Kg of TNT or equivalent.
2. Certification for the level of protection in accordance with international standard.
3. It should not hinder X-Ray inspection.
4. It can be lifted manually or with the help of some device for visual inspection of the suspicious objects.
5. Operation manual.
6. Three years warranty
7. Availability of local service centre is desirable.
8. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.

9. The Supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

## **Tender No. 55/2011**

### **WATER JET DISRUPTER**

1. It should have a barrel and barrel clamp.
2. It should have a tripod adjustable stand for positioning.
3. It should have electric firing cartridge and laser aiming facility.
4. At least 100 numbers of cartridges should be provided at the time of supply. Also the company should assure the uninterrupted supply of the firing cartridges.
5. Remote operation (with cable) from safe distance.
6. Water bottle, water seals, cleaning brush, blasting machine, firing cable etc should be provided.
7. Operation manual
8. Three years warranty

9. Availability of local service centre is desirable.
10. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
11. The supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

### **Tender No. 56/2011**

#### **REMOTE WIRE CUTTER**

1. Remote operation (with radio control also with wired control).
2. Able to cut a wire of 15 SWG width or higher.
3. Safety distances reasonable (desirable range is 100 meters radio control as well as wired control or better).
4. Portable and easy to handle.
5. Compatible in a suitcase (sturdy carrying case).
6. Rechargeable battery with charger.
7. Three years warranty.

## **Tender No. 57/2011**

### **RSP TOOL KIT**

#### 1. Tools for the disposal of any type of IEDs

Items including best quality Doctor's Stethoscope, best quality Surgical Blade with handle, best quality Drilling Machine & Drill Bit Set, best quality Magnifying Glasses, best quality Hacksaw with Blades, best quality Pliers, best quality Spanner Set (8 Spanner), best quality Tin Cutter, best quality Wire Cutter, best quality Nipper Cutter, best quality Torches, best quality Swiss Knives, best quality Gloves, best quality Forceps, best quality Screwdriver, best quality Allen Key Set, best quality Scissors 8" & Scissor 7", best quality Crimper, best quality Pie Wrench, best quality Tin Opener, best quality Adhesive Tape, best quality Hammer (both metallic & non metallic), best quality Soldering Iron 6", Soldering Lead 50 gms etc.

#### 2. Storage case and easy to carry (like a suitcase)

3. Three years warranty.

**Tender No. 58/2011**

**HOOK & LINE SET**

1. Foam insert comprehensive hooks and line (1 No.)
2. Pocket search mirror (1 No.)
3. Reel, with Kevlar rope, fitted with snap hook (1 No.)
4. Reel, with black Kevlar, fitted with snap hook (1 No.)
5. Snatch block (2 Nos.)
6. Hook, small single plain (1 No.)
7. Hook, medium single plain (1 No.)
8. Hook, medium double plain (2 Nos.)

9. Hook, large single plain (1 No.)
10. 25mm eye (2 Nos.)
11. Rope sling, 3mm dia x 2m long (1 No.)
12. Rope sling, 4mm dia x 2m long (1 No.)
13. Rope sling, 5mm dia x 2m long (1 No.)
14. Wire sling, 1.5mm dia x 2m long (1 No.)
15. 16 Wire sling, 2.0mm dia x 2m long (1 No.)
16. 7 Wire sling, 3.0mm dia x 2m long (1 No.)
17. Piton, small spear point (1 No.)
18. Piton large spear point (1 No.)
19. Piton small chisel point (1 No.)
20. Piton large chisel point (1 No.)
21. Double suction pad (1 No.)
22. Cantilever clamp (2 Nos.)
23. Self locking forceps (1 No.)
24. Self locking 'mole grip' with 25mm eye (1 No.)
25. Karabiner (alloy) 18mm screwgate 27kn (2 Nos.)
26. Karabiner (alloy) 25mm screwgate 27kn (2 Nos.)
27. Pulley with jammer cleat (1 No.)
28. Shackle d shape 13mm gate (1 No.)
29. Screw eye self tap (10 Nos.)
30. Adjustable clamp system (1 No.)
31. Door stop (4 Nos.)
32. Multi function pocket tool kit (1 No.)
33. Pulling handle for Kevlar rope (1 No.)
34. Rope eye (1 No.)
35. Telescopic pole (1 No.)
36. Hook, 25mm wide mouth and spring loaded gate (1 No.)
37. Hook, 50mm wide mouth and spring loaded gate (1 No.)

38. Spring loaded self grip clamp (2 Nos.)
39. Belt sling (1 No.)
40. Automatically opening snatch block (4 Nos.)
41. Torpedo release (2 Nos.)
42. Sticky eye (10 Nos.)
43. Gang way brace with eyes (2 Nos.)
44. Skid pan (1 No.)
45. Triple barb hook, with mount for telescopic pole (2 Nos.)
46. Wedge it black (2 Nos.)
47. Canvas case (1 No.)
48. Miscellaneous:
  - a) Storage case and lightweight, easy to carry/transport.
  - b) Operation manual.
  - c) Three years warranty
  - d) Detailed Training free of cost to sufficient personnel at the places(s) specified by the Department.
  - e) The supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

## **Tender No. 59/2011**

### **RADIATION DETECTOR**

1. It should be portable
2. It should be able to detect all types of radiation sources
3. Audio visual indication for detection.
4. System should comply with international safety regulations regarding radiation.
5. Certification for radiation safety in accordance with international standard.
6. Operation manual.
7. Three years warranty.
8. Availability of local service centre is desirable.
9. Detailed Training free of cost to sufficient personnel at the place(s) specified by the Department.
10. The Supplier should have well equipped maintenance office with qualified engineers for repairs/service. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & email address may be made available for reconfirmations with the OEM about the status of the supplier.

## **Tender No. 60/2011**

**BP Jacket with Level IV or better protection**

Bullet Proof Jacket with Level IV or better protection

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