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- 1- foHkkx dk uke& i fyl egkfun'skd dk dk; k; y;] fcgkj] i Vuk A
- 2- foKki unkrk dk i nuke , oal e; & fnykd&03@10@2013] 14-00 cts rd A
- 3- fufonk i kflr dh frfFk , oal e; & fnykd&03@10@2013] 14-00 cts rd A
- 4- fufonk [kkyus dh frfFk , oal e; & fnykd&03@10@2013] 16-00 cts rd A
- 5- fufonk i kflr dk LFkku& i fyl egkfun'skd dk dk; k; y;] fcgkj] i Vuk ds dk; k; y; Hkou ds eq[; }kj ij j [kh fufonk i v/hA
- 6- dk; Z dk C; k; j k&

S.N.	Item name	Specification	Qty
1	2	3	4
1	QuikClot	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	500
2	Deep Search Metal Detector	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	20
3	Hand Held Metal Detector	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	20
4	Non Linear Junction Detector	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	10
5	Explosive Detector	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	10
6	Bomb Suit	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	10
7	Bullet Proof Observation Tower	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	22

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TERMS & CONDITIONS OF TENDER NO. 12/2013-14

- 1-Tender of the firms situated inside /out side the State will be accepted with the condition that if their tenders are approved, the firm shall get itself registered with Commercial Tax Department, Bihar before the purchase order is issued.
- 2-The tender should be submitted in two parts, (1) Technical bid and (2) Financial bid duly sealed in two separate envelopes super scribed as technical bid and financial bid. The rates shall be quoted in the Financial bid. All charges like BST/CST/Service Tax /VAT etc. shall be clearly mentioned but net rate (in figures and words) including all taxes and duties shall be quoted. Vague offers like indicating taxes "as applicable" will be summarily rejected. There shall be no cutting, over writing or correction on the rates. All relevant papers/certificates/specifications etc. of items should be enclosed in technical bid.
- 3-The technical and financial bids for each item **should be submitted separately in separate envelopes.** The technical and financial bids for more than one items submitted together in the same envelope shall be summarily rejected. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
- 4-The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked "Tender No. 12/2013-14" (Technical Bid) and marked "Tender No12/13-14" (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in an another sealed envelope which should be marked as marked " Tender No. 12/2013-14". This envelope should not bear the name and address of the firm.
- 5-Up-to-date Income Tax returns (Saral) and a photocopy of PAN of the participating firm should be submitted with the technical bid. I.T. return should have stamp and signature of the concerned department, whether filed manually or electronically.
- 6-The turn over of the firm for the 2012-13 financial year should be at least double the amount of the supply order which is being issued. A copy of the profit and loss a/c of the firm for the 2012-13 financial year certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer and authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm will be accepted.
- 7- If there is some discount in the price of any item, it should be deducted from price itself and should not be quoted separately.
- 8-If the product is on DGS & D rate contract then a copy of the contract be attached and pricing be done with all taxes including Bihar Sales Tax.
- 9-A copy of test report for the product issued by a competent authority with in last one year should be attached with the technical bid. In case of BP items test report of TBRL will only be accepted.
- 10-All items will be received at Central Clothing Store, Patna, therefore price should be quoted for Central Clothing Store, Phulwarisharif, Patna.
- 11-Firms will have to deposit a sum of rupees 25000/- (Twenty five thousand) only as an earnest money in the form of postal saving passbook / NSC/Bank draft duly pledged in favour of the undersigned along with the quotations.
- 12-Technical bids will be opened on 03 @10@2013 at 16.00 PM in the office chamber of the undersigned. Representatives of the tenderers may remain present at the time of opening of the technical bid.
- 13-The technical bid will be opened first and if it is found as per tender conditions, it will be put before Central Purchase Committee. The firm may have to participate in discussions with this committee and / or be required to demonstrate the quoted product. Any paper / document will not be accepted after opening the tender.
- 14-Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the stores as security money in the form of Postal Saving Pass Book/NSC/Bank Guarantee duly pledged in favor of undersigned.
- 15-The firm will be required to provide satisfactory after sale service.
- 16-The firm will be required to supply all the items within 90 days from the date of placing order.
- 17-Payment for the delivered items will be made after receiving OK report from the Inspection Committee.
- 18-The firm whose quotation is approved shall be issued A/T. Purchase order shall be issued only after the firm enters into an agreement with the undersigned. Terms & Conditions of the agreement shall be intimated in the A/T.
- 19-Only such manufactures/authorized dealers and authorized suppliers of manufacturing firm who fulfills the above conditions should quote for supply of items.
- 20-Updated Technology at the time of supply change in condition.
- 21-Hands on Training of the user group by the firm shall be ensured.
- 22-D.G.. of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully without assigning any reason thereof.
- 23-The Quantity indicated may increase or decrease at the time of issuing purchase order.

Sd/-

**A I G of Police (Q)
Bihar,Police.**

Specification of QuickClot Kit	
I Technical Specification of QuickClot	
1	Nature: Inorganic granular powder.
2	Characteristic: Packed in moisture free conditions after activation.
3	Weight: ~100gm (In multiples of 2i.e., 50 gm each).
4	Packing: Vacuum packed in Mil Grade 3 (Tri-layered) P:F:P material; Gamma Sterilized.
5	Printing: Field use Reverse Printing with bilingual of how to use it.
6	It should be haemostatic medical device for field uses.
7	It should be capable to stop bleeding after pouring the granules on the wound immediately.
8	It should be capable to clot blood due to its ability to extract water molecules from blood and absorbs in it, thereby removing a medium to flow, blocking the open wound to ooze further blood.
9	It should be capable to lowering of medium concentrates the clotting factor exquisite to develop natural clot mesh, thereby facilitating normal clotting process.
10	It should be safe to use and should be gamma sterilized vacuum packed source, it should be completely safe to use.
11	It should not create any abnormalities.
II Technical Specification of Quick Tight- Compression Bandage for Limbs	
1	Dimension of Bandage: 5' x 4"
2	Dimension of Absorbing Pad: 8" x 8"
3	Weight: ~100gm
4	Packing: Vacuum packed in Mil Grade 3 (Tri-layered) P:F:P material; Gamma Sterilized.
5	Printing: Field use Reverse printing with bilingual pictorial representation of how to use it.
6	It can be applied with one hand.
7	It should act as a hemostat device with an ability to support fractured limbs.
8	It should allows prolonged bandaging in field conditions.
9	It should have latex free bandage with non allergen city.
III Technical Specification of Quick Gauze	
1	Dimension of Gauze: 4.5" x 4.1 yards- 6ply.
2	Characteristic: Bi-folded layered, Latex free, non allergenic highly absorbent.
3	Weight: ~ 36gm.
4	Packing: Vacuum packed in Mil Grade 3 (Tri-layered) P:F:P material; Gamma Sterilized.
5	Printing: Field use Reverse printing with bilingual pictorial representation of how to use it.
6	It should act as primary Haemostatic Device when applied with significant pressure on wound site itself.
7	It should be poly blended as multi-layered film that minimizes wound adhesion keeping firm ability intact.
8	It should have open weave structure which looks like a loose mesh of threads, having a large number of closely-spaced holes, of cotton weaved together.
9	It should have an ability to expand dramatically, when opened.
IV Technical Specification of Touring Quick	
1	Dimensions: 32" x 2" (Maximum stretchable length twice the un-stretchable condition).
2	Weight: ~ 36gm
3	Packing: Vacuum packed in Mil Grade 3 (Tri-layered) P:F:P material; Gamma Sterilized.
4	Printing: Field use Reverse printing with bilingual pictorial representation of how to use it.
5	It should be strong elastic latex band with two steel s-hooks fastened to it, making it easy to use yet durable enough for the most severe traumatic injuries.
6	The ends should have triangular Hinge point eith S-Hooks having vertical length convenient to hold the traumatic part.
7	It should be self-administered & multiuse product that can be applied by an injured person with one hand.
8	It should be able to quickly stem moderate to severe blood loss under all types of field conditions, including amputations, IED blasts, etc.
9	It should have an ability to be used as a sling or to hold gauze pads over a chest, stomach and head wounds.
10	It should have an ability to be used as a primary dressing effectively due to significantly high constricting capability, it is highly efficient in managing arterial bleeding.

Technical Specifications of Explosive Detector (With liquid and vapour both)

1	Technogy	Based on Raman Spectroscopy for identification of liquid explosives.
2	Detection Capability	Should be able to identify Explosives in liquid form such as TATP, NG, EGDN, Astrolite G, Nitromethane, Nitrobenzene, Hydrazine etc. in addition to default library compounds.
3	Selectivity	Should have high discrimination between explosive and non-explosive material. (With false alarm rate less than 3%)
4	Sample Collection	Should be able to identify through plastic/glass bottles and containers without opening the bottle or container.
5	Endurance	Capable of continuous operation for not less than 3 hours.
6	Warm up Time	The equipment should be ready for use for the first time within approximately 3 minutes from cold start.
7	Analysis Time	Not more than 1 minute.
8	Alarm/Display	Clear display of ID of the threat material.
9	Temperature	Should work under extreme climatic temperature range of 0 degree C to 45 degree C.
10	Humidity	Should work under climatic humidity range of 0 degree to 95 degree C
11	Weight	Not more than 3 Kg.
12	Computer Capability	Computer Capatible through USB/Blue tooth for data transfer.
13	Power Source	Should operate on rechargeable battery (with charger operated on AC mains 220 volts, 550/60 Hz) and one spare battery to be also provided. Battery life of minimum 3 hours on one charge.
14	Carrying Case	Proper carrying case to be provided for easy and safe transportation.
15	Warranty	Warranty- 3 years. Sufficient spares should be available in stock with the supplier and certificate for availability in stock with the supplier and certificate for availability of spares for at least 7 years after the warranty period.
16	Miscellaneous	The Firm should be able to provide the following along with the equipment:- (a) Training tools- Training brochures, Operating manual, Video CD on demonstration and uses etc. (b) Practical training at least 2 times in a year continuing during warranty period. (c) User's handbook and literature on maintenance as applicable. (d) List if the Institution in India where your product has been supplied. (e) Provide Technical Specification of your quoted product.

Specification of Bomb Suit

a.	with wireless radio system .
b.	Low level of R.I. Radiation. When transmitting to minimize the risk of activating I.E. DS. At the device and a very sensitive receiver ensuring that the second party can always be heard.
c.	Option of switching off the transmitter after reaching device.
d.	To hear his own voice.
e.	A Jacket integrated groin protector and trousers(I.G.P.)

Bullet Proof Observation Tower

Sl.No.	Description	Specification	
1	Dimension	Size: 72" (+/-) 1/2" (L) x 48" (+/-) 1/2" (W) x 85" (+/-) 1/2" (H)	
2	Weight	B.P. panel including covering strip = 850 Kgs (approx) Mild Steel (Angle + Channel) = 400 Kgs (approx) Wooden Panels = 150 Kgs (approx) Extra Accessories = 50 Kgs (approx) Total weight of Machan = 1450 Kgs (approx)	
3.	Firing Observation Slot	Size: 250 (+/-) 5 x 160(+/-)5 x 6.2 +.5/-0mm Total slots- 10 Nos.	
4	Wooden Panels	7 Nos of wooden panels joined by screw <ul style="list-style-type: none"> • 2 Nos Back Side • 2 Nos (01 Nos each on R.S.W./L.S.W.) • 2 Nos Front Side • 1 No. for centre rack 	
5	Dimension (Panels)	Size (mm)	Qty (Nos)
		670 (+/-) 10 x 1022(+/-) 10x6.2 + .5/-0	03 Front Portion
		670 (+/-) 10 x 915(+/-) 10x6.2 + .5/-0	06 Back Portion
		670 (+/-) 10 x 1140(+/-) 10x6.2 + .5/-0	06 Side (L&R) Portion
		670 (+/-) 10 x 805(+/-) 10x6.2 + .5/-0	01 Open Door Portion
		670 (+/-) 10 x 1346(+/-) 10x6.2 + .5/-0	01 Door Portion
605 (+/-) 10 x 870(+/-) 10x6.2 + .5/-0	04 Floor Portion		
6	Roof	Fiber Glass provided for covering the top portion Size- 72" (+/-) 1/2" x 96" (+/-) 1/2"	
7	Angle and Channels	Angle Size- (40 x 40 x 6mm) Channel Size- (75 x 40 x 6mm)	
8	Handling	2 Nos. handles welded on floor plates for easy carrying.	
9	Weight of Panels	Weight of Panel- 55 Kgs (Max.)	
10	Locking Arrangements	Each Panel of the B. P. Observation Tower should have easy locking arrangements for assembling and dismantling as Machan is to be assembled completely by nut and bolting.	
11	Assembling	Bullet Proof Machan should be easily assembled or dismantled within 6 Hours with 4 trained persons.	
12	Protection Level	Each Panel should be able to provide following protection:- <ol style="list-style-type: none"> 1. 7.62 x 51mm (SLR) from 10 meters. 2. 7.62 x 39mm (AK-47) from 10 meters. 3. 5.56 INSAS 4. Splinters of Grenade No. 36 HE from 10 meters. 	
13	Material (B.P. Steel)	Bullet Proof/ Armour Steel used for fabricating of Observation Tower should be procured from a DGQA, Ministry of Defence approved manufacturer of BP/Armour Steel.	
14	Replacement	As and when Bullet Proof Machan is fired upon and there is damage to the port shutter it should be replaceable.	
15	Colour	Colour of the B. P. Observation Tower as per user choice.	
16	Stand	One set of MS Stand of 5 feet height will have to supply along with the Observation Tower. Weight- 400 Kgs. (Approx)	

Specification of Deep Search Metal Detector

1. Maximum distance metal subject detection (on air) shell of 5.6mm. Calibre- 15 cm.
2. Power supply 7.2 volt (Ni-M.H.) accumulator battery.
3. Continuous operation time 20 hours.
4. Search modes- all metals, selective search mode.
5. Alarm indication- audible, visual.

Specification of HAND HELD METAL DETECTOR

S.No.	Specification
01	Technology
02	Detection
03	Detection range
04	Calibration
05	Total length of Detector
06	Operation
07	Alarm
08	LED Indication
09	Interference
10	Weight
11	Battery Life
12	Battery
13	Material
14	Water Resistant
15	Warranty
16	Miscellaneous

01	Pulse technology
02	Ferrous, Non Ferrous & alloys
03	minimum pin from 1" distance
04	Auto
05	35-45 cm
06	Push button or switch to put On for continuous use
07	Audio, Visual
08	a) On indication b) Metal detection Indication c) Low battery Indication
09	The bidder shall submit a certificate from any accredited laboratory regarding its harmlessness to magnetic media and heart pacemaker.
10	Less than 500 gm
11	More than 40 hours
12	Rechargeable Battery, inbuilt charging facility
13	Non breakable/scratch proof
14	Should work under rainy condition.
15	Warranty for 1 year. Sufficient spares should be available in stock with the supplier and certificate for availability of spares with the manufacturers for at least 07 years after the warranty period. The supplier should also have the arrangement/facility for repair and after sales service for the above period.
16	The firm should be able to provide the following along with the equipment:- <ol style="list-style-type: none"> i) Technical manual giving full description of the item. Practical training at least 4 times in a year continuing during warranty period. ii) User's handbook and literature on preservation /maintenance as applicable.

Technical Specifications of N.L.J.D

Transmitter		
1	Frequency	840 Mhz to 915 MHz
2	Power Output	Should not be more than or equivalent to 4 watt continuous.
3	Modulation	AM/FM/Pulse or continuous
Receiver		
4	Should have Rx frequency for 2nd and 3rd harmonics	1680 to 1830 MHz and 2520 to 2745 MHz respectively.
5	Sensitivity	Should not be more than- 150 dbm
Antenna-Should have high gain antenna		
6	Cables	All cables and connectors should be well secured.
7	Display	Should have a visual display.
8	Should have control functions	(a) Volume (b) Power selection
Output		
9	Audio	With and without head phone
10	Display	Visual display distinguishing both 2nd and 3rd harmonics.
11	Test Target	A single power diode.
12	(a) Detection Range in open space (b) Detection Range in underground	Minimum 0.55 m or better Minimum 0.25 m or better
13	Test false Alarm rate	Should be less than 3 %.
Power Requirements		
14	Battery	Rechargeable battery, should provide minimum 6 hours operation time one single full charge. Should provide one spare battery. Battery should have protection against reverse polarity.
15	Battery charger specification	180 to 240 V.
Weight Required (Approx)		
16	Operational weight	Should not be more than 6.5 kg (weight in hand should not exceed 3.5 kg.)
Operation Condition		
17	Operational Temperature Range	.-5 degree C to + 50 degree C or better
18	Humidity	90% RH
19	Activation	The system should not activate any active radio controlled device in close proximity to search head.
Miscellaneous		
20	The firm should be able to provide the following, as applicable, along with the equipment- (a) Cleaning Kit (b) Special Maintenance Tools © Training Aggregate- Charts, Slides, Training Brochure, Training Work Model, Blow up Diagram, Video Films etc. (d) Physical Training in India. (e) Tech Manual giving full description of the Item. (f) User's Hand book and Literature on preservation/ maint, as applicable (g) Procedure for packing, handling/transportation/storage.	