

TENDER NOTICE

Tender No-6/2012

The Director General of Police, Criminal Investigation Department, West Bengal, Bhabani Bhawan, Alipore, Kolkata -700027 invites sealed Tenders from suppliers/manufacturers for supply of specialized equipment for CID West Bengal.

List of Articles

| Sl.No | Name of the articles | Technical Specification | Closing Date | Quantity |
|-------|--|-------------------------|--------------|----------|
| 1 | Robotic vehicle with Recoilless Disrupter | Given bellow | 15/02/12 | 1 |
| 2 | Blast inhibiting Devices | Do | Do | 10 |
| 3 | De-armour disrupter recoilless stand Off | Do | Do | 1 |
| 4 | Microscope Spectrometer Systems for inks and documents analysis in forensic sciences for CID W.B | Do | Do | 1 |
| 5 | CCTV camera for other district. | Do | Do | 205 |

SPECIFICATION

ROBOTIC VEHICLE WITH RECOILLESS DISRUPTER

REQUIRED FEATURES

- Lift capacity: (arm extended) 7.5kg(Minimum), (arm retracted) 15kg (Minimum),.
- Robust & compact:, Should fit in a Tata Sumo or Toyota Qualis vehicle.
- Installed with cameras and lights to assist user to open cars, doors, climb stairs etc.
- Capable of installed with disrupters (to neutralize IED) explosive vapour detectors, portable X-Ray and other equipment.
- Capable of installed with semi automatic gun along with two ways communication and can be used in hostage situation.
- Drag capacity 100kg (minimum) should climb stairs with 45° steep

BLAST INHIBITTING DEVICES

Blast protective container with the top cover for emergency bomb evacuation (2000 g of trotyl).

1. Should be X-ray examinable.
2. Should contain blast effects of up to 2kg of TNT or equivalent.
3. Should be safe for human life upto 2.5 metres from the centre of blast.
4. Should be compact (75cm X 75cm X 60cm approx) having inner space of 50cm X 50cm X 35cm.
5. Easy to handle (upto 75kgs approx).

DE ARMER DISRUPTER RECOILLESS STAND OFF

1. *The slugs must be in steel.*
2. *The said disrupter has to be set up in any type of lands including in case of Robot operated vehicle.*
3. *It must be easily carriable.*
4. *Minimum back pressure upon the disrupter stand has to be entertained at the time of firing.*
5. *Cartridges and spare parts must be easily available.*
6. *Minimum distance in between the disrupter and the suspected device is about 15 ft may be preferred.*
7. *Lesser pointed must be fitted with the disrupter.*
8. *It should be remotely operated.*

**MICROSCOPE SPECTROMETER SYSTEMS FOR INKS AND
DOCUMENTS ANALYSIS IN FORENSIC SCIENCES**

MICRO-SPECTROSCOPY SHOULD INCLUDE:

- i) NON-DESTRUCTIVE ANALYSIS OF DOCUMENT SAMPLES
- ii) COMPARISON AND DISCRIMINATION OF SPECTRA
- iii) ANALYSIS OF INK AND PAPER

IMAGE PROCESSING SHOULD INCLUDE:

- i) HIGH RESOLUTION CAMERA
- ii) WIDE RANGE OF SPECTRAL RESPONSE
- iii) HIGH POWER MAGNIFICATION
- iv) PROMINENT FIELDS OF VIEW
- v) COMPARISON OF IMAGES SIDE BY SIDE
- vi) SUPERIMPOSITION OF IMAGES WITH ADJUSTABLE MIX
- vii) VARYING IMAGE STROBE
- viii) IMAGE REVERSAL & ROTATION
- ix) IMAGE MEASUREMENT SOFTWARE

FLUORESCENCE IMAGING:

- i) IDENTIFICATION OF CHEMICALS
- ii) IMAGING OF DOCUMENT SAMPLES USING FLUORESCENCE
- iii) EXAMINATION OF ACCELERANTS LIKE FLUID INK

RAMAN SPECTROSCOPY:

- i) NON CONTACT ANALYSIS OF DOCUMENT
- ii) ANALYSIS OF SOLID & LIQUID SAMPLES
- iii) RAPID EXAMINATION WITH MINIMUM PREPARATION

CCTV

Specifications for each set :-

Camera-Qty-4

Out door camera -2

Image sensor: 1/3 color CCD or better similar format

Signal System : PAL/NTSC

Lens : 4-9 mm Varifocal and above

Horizontal Resolution : 600 TVL or better

Effective pixel : 720 x 450 and above

Illumination : 0 Lux/F1.2 (IR ON) or better

Signal Process : Digital

Focus : Auto

Operating Temperature : -20°C to 60° C

Indoor Camera -2

Image Device : 1/3 Type "Super HAD CCD" or better

Effective Picture elements : 700 X 500 or better

Gain Control: Auto (on/off)

White balance mode: 1000 to 12000

Signal System : PAL

Horizontal resolution: 480 TV lines or better

Illumination : color 0.3 lx, B/W : 0.2 lx, color ; 0.18 lx, B/W: 0.07 lx or better

Temperature : -10° C to + 50° C

DVR-Qty-1

Specification

Video input-4 channels Preferably 8, composite video input BNC

Video Output- 1 channel PAL/NTSC BNC ,IVGA output ,1HDMI output

Video standards-PAL (625 Line, 50f/s),/NTSC (525 Line,60f/s)

Video parameters : Brightness ,contrast hue , sharpness, and sinning,selectable preferably

Video compression- H.264 or better

Resolution- PAL/NTSC Playback: 1.9 ch , D1704 x 576 /704 x 480

Other channel CIF 352 x 288 / 352 x240 QCIF 176 x 120

Hard Disk – 1TB or better

Recording Mode: Manual/Continuous/Video Detection/Schedule/Alarm Recording

Backup Mode : HDD backup/USB backup/Network download backup

Audio input : 4 channel ,BNC ,200-2800mv, 30K Ω

Audio Output: 1 channel, BNC , 200-3000mv,5K Ω

RG 59 Video Co-axial cable- 250 meter

Power Cable 3 core, 0.5 sq. Mm- 250 meter

PVC casing - 250 Meter

19'' LCD Monitor

1. Closing Date: 15/02/12 upto 15.00hrs.
2. Opening Date: 15.02.12 at 16.00hrs (Technical bids). Financial bids will be opened only for the qualifying technical bids.
3. Bidders may collect the Tender document from CID Website. The tenderers may remain present at the time of opening of tenders.
4. Prices quoted shall be all inclusive (including all taxes, freight, excise etc).
5. The quotations should be submitted in two parts in separate envelopes duly sealed and properly marked in the following manner:-

a) PART-I: TECHNICAL- Should have the endorsement on the sealed cover as “Tender No- 6/12. Technical specifications” and should contain all the technical details about the equipment/system along with technical literature.

b) PART-II: FINANCIAL –Should have endorsement on the sealed cover as “Tender No- 6/12 Financial quotation” and should contains the complete financial aspects quoting total system cost.

c) Both part –I and II of quotations should be separately sealed and placed in a single covers duly sealed with name and address of the Vender and “Tender No- 6/12 “super-scribed on the envelope. It must be addressed to the Special Superintendent of Police(HQ), CID Bhabani Bhawan, Alipore, Kolkata 700027 and must be sent to this office on or before the closing time for submission of tenders. In case the quotations are received without seal and not in two parts, those a re liable to be rejected. No change in quotations will be accepted after receipt of the same in this office.

d) The technical bids will be opened in presence of parties first. The technical items will then be evaluated by the technical evaluation committee. The Technical Committee may ask vendors to give demonstrations of the equipment. Once the process is complete, the financial bids will be opened in the presence of tenders short

listed after technical evaluation. The date of opening of financial bid will be notified to bidders at a later date.

6. The suppliers of selected items should submit an undertaking in respect of the items supplied by them that-

- i) The supplier would provide maintenance and spares support for a minimum Five (5) years contract for the items.
- ii) The vendor or his representative should be available / approachable over phone on all working days. Such phone number should be provided to this office. The tenderer or his authorized agency/ firm for service/maintenance should be locally available at Kolkata and approachable for any emergency requirement with regard to service and maintenance.
- iii) The supplier firm/representative/manufacturer would be responsible for maintaining the equipment during the period of contract. They should attend any complaint within 24 hrs.

6. Pre-Delivery Inspection- Acceptance of each item shall be based on Pre-Delivery Inspection. The standard of the Pre-Delivery Inspection may be so decided that it is compatible with:

- i) The test held at time of technical evaluation.
- ii) It should meet the technical specification claimed by the manufacturer in respect of the item in their brochure.

7. Any failure to demonstrate/display of the equipment before Technical Evaluation Committee for judging will be treated as failure to satisfy the terms and conditions of the tender and the tender will liable to be rejected.

8. Earnest money @2% of the value of the equipment shall be deposited through Bank draft payable at the State Bank of India, Main Branch, Strand Road, and Kolkata in favour of "DGP CID West Bengal" and should be enclosed with the tender papers in a separate envelope.

9. All tenderers shall submit, along with their tenders, Income Tax and Sales Tax Clearance Certificate and duly attested copies of Trade License and other relevant licenses which may be necessary towards making such supply.
10. The DGP CID West Bengal reserves the right to reject any or all the tenders without assigning any reason thereof.
11. Further details may be obtained from this office on any working day, during office hours from the Special Superintendent of Police(HQ), CID West Bengal, Bhabani Bhawan, Alipore, Kolkata-700027 on a written request furnished by the tenderer on the letterhead of the company or firm.

S/D
Spl. Supdt. Of Police (HQ)
For Director General of Police
CID West Bengal