

Tender Notice

No. 03 /2009 date 10/12/2009

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

List of Articles

Sl No.	Name of the articles	Quantity
1	Voice Recording Device (Specification Annexure – 1)	20
2	Digital Video Camera (Specification Annexure – 2)	02
3	Video Handy-cam Camera (Specification Annexure – 3)	02
4	DVD Recorder (Specification Annexure – 4)	02
5	LCD Projector (Specification Annexure – 5)	01
6	SLR Camera with Zoom (Specification Annexure – 6)	05

1. Closing Date : **18/01/2010 by 16:00 hrs.**
2. Opening Date : Technical bid (only for Sl. No. 1) – 21/01/2010 at 12:00 hrs.
Financial bid (Sl . No. 2 -6) – 21/01/2010 at 12:00 hrs.
Financial bid (Sl . No. 1) – 22/01/2010 at 12:00 hrs.

Bidders may collect the Tender document from the Office of the Addl. Director General of Police, CID, West Bengal, Bhabani Bhawan, Kolkata – 700027.

The tenderers may remain present at the time of opening of tenders.

3. Prices quoted shall be all inclusive (including all taxes, freight, excise etc).

Page-2

4. 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 03/2009 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 03/2009 Financial Quotation” and should contain the complete financial aspects quoting total system cost.
 - c) Both Part – I and Part-II of the quotations should be separately sealed and placed in a single cover duly sealed with name and address of the Vender and “Tender 03/2009” super-scribed on the envelope. It must be addressed to the Special Superintendent of Police, Criminal Investigation Department, Bhabani Bhawan, Alipore Kolkata- 700 027 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, they are liable to be rejected. No change in quotations will be accepted after receipt of the same in this office.
 - d) First, the technical bids will be opened in presence of parties. The technical items will then be evaluated by the technical evaluation committee. The Technical Committee may ask vendors to give demonstration of the equipment. Once the process is complete, the financial bids will be opened in the presence of tenderers short listed after technical evaluation. The date of opening of financial bid will be notified to bidders at a later date.
5. 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 Item No.1.
 - ii) The tenderer 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 with in 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 evolution.
 - 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 may be 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, Kolkata in favour of ADG, CID, West Bengal and should be enclosed with the tender papers.
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 ADG, CID, West Bengal, reserves the right to reject any or all the tenders without assigning any reason thereof.
11. Further details with other particulars may be obtained from this office on any working day, during office hours from the Special Superintendent of Police, CID, West Bengal, Bhabani Bhawan, Alipore Kolkata- 700 027 on a written request furnished by the tenderer on the letterhead of the company/firm.

SD/-

Addl. Director-General of Police
CID, West Bengal
08/01/2010

Annexure 1

Specification for Voice Recording Device (Digital 1E1 – 30 Channels)

Hardware Specification	
Make and Type	Server Grade Machine from Sun/IBM/HP/DELL
Processor	Intel/AMD
Memory	1 GB
Optical	DVD ROM

Software Features

Configuration	1E1 – 30 Channels
Activity	Record call from GSM, PSTN, CDMA networks. Should record the time and duration of call
Interface	Graphical User Interface to illustrate activities on all 30 channels simultaneously.
Call Retrieval	Facility to search call on various parameters such as date, time, duration, target, user, group etc.
Advanced Analysis	Facility to turn values in different column into specific filters based on the cell content and to filter rows of data based on criteria selected from drop- down menus and to enable multiple filters on different columns from the visible data where each filter acts as Logical AND
Call Markers	Facility to add Remarks, User defined Flags and Priorities
Export Calls	Export Calls in Wave Format for easy distribution of calls and create an executable file containing details about the calls that have been exported

Transcription Service	Unlimited data to be entered through this, saved, edited and printed. The data should also save in a word file format at the desired location
Audio Player	Both Simple Audio Player and easy to use Professional Audio Editor to be provided.
Important Suspect Notification	Notify the arrival of call marked as “important”.
Report Generation	Facility to export call data in Excel Format for analysis of system performance
Agent Synopsis	The distribution of Attended calls, Assigned priorities and Flagged calls over a period time-frame of time should be viewed in the form of a chart over various.
Call Forwarding	Ability to forward calls to Users over GSM, PSTN and CDMA network.
Target Management	Facility to enter Suspect data (name, address etc.) and Ability to assign the suspect to a case or a group.
User Management	Facility to create Admin, Multiple User Agents, assign roles and control data access among various Agents. Should have both “Allow” and “Block” Mode.
Back Up & Restore	Comprehensive Back Up & Restore Mechanism should be present.
Flags	Allow User to assign relevant description to flags which can be used later for flagging calls and creating a communication mechanism between multiple users.
Security	Nobody but the authorized Users should have access to the Call Data. No data (including Call File) should be stored in the Hard Disc but stored in the Database for added security. There should be strong Access Mechanism to Block unwanted User entering Voice Recording System. Admin should have a third level of protection mechanism in the form of Physical Key /Dongle on top of user name & password for protection.
Interoperatability	The system should be able to handle both Analogue & Digital Telephony Card (For example 1 Digital Card with 1 8port Analog Card) simultaneously in combination with the same back-end and front-end software interface

Database Connectivity Status	GUI Console to check the Database status with glowing effects indicating green and red colour
PRI Status	GUI Console to check the PRI line status with glowing effects indicating green and red colour.
PRI Status Report	The Voice Recording System should have the ability to generate the custom “ PRI Status” report of the PRI line.
Telephone Interface	Receive Clock Rate : 2.048 +/- 175 ppm, Transit Clock: Recovered RX clock or 50 ppm, Input Level: 3.2 V down to 0.45 V Framing : Basic G.704, CRC-4, Line Coding : AMI, HDB3, Signalling Protocol : ISDN, DASS2, CAS Loss of Signal Detection: per ITU-T G.775, Alarm Detection and Integration: LOS, LOSMF, TS16, CRC, and Yellow Binary Sequence Detector: Per ITU-T.0151
Telephony Card Features	Media Control – CODECS, Tone Detection/ Generation, Caller-ID/FSK/DTMF/MF Detection, Activity / Silence Detectors, Switching (H.100 and MVIP), Automatic Gain Control (AGC), Automatic Volume Control (AVC), Stereo Recording, Echo Cancellation, Call Progress Monitoring (CPM), Full –duplex Channels, Media Streaming, Start/Stop Call Recording Triggers
Telephony Signal Protocol Support	ISDN, NFAS, CAS, Robbed Bit Signalling, E & M Immediate, E & M wink, FXS, FXO Clock and Data Recovery: Complies with AT & T TR62411 and Bellcore TA-TSY-000170.
Audio Signal Specification	Receive range:- 68dBm to +3 dBm . Input gain control -50 dB . Silence Detection: Programmable from API Transmit volume control : +24 to -50 dB. Automatic Gain Control (AGC) Programmable from API Automatic Volume Control (AVC) Programmable from API . Activity Detection Programmable from API Alert Tone Programmable . Frequency Response 300 - 3400 Hz (+/- 3dB).

Annexure – 2

Specifications for

Digital Video Camera

Preferred Make	:	Sony
HD Recording Format	:	1920 x 1080
HD Video Codec	:	MPEG-4 AVC / H.264
Media Storage Type	:	40GB hard Disk Drive
Optical / Digital Zoom	:	15x / 30x
Audio Format	:	Dolby Digital 5.1
Maximum Still Image Resolution (Photo Mode)	:	4.0 Mega Pixels
Face Detection (Video & Photo)	:	Yes
Image Stabiliser	:	Yes
Intelligent Flash	:	Yes
Handycam Station	:	Yes (USB 2.0 High Speed)
USB Terminal	:	Yes
AC Adaptor	:	Yes
Rechargeable Battery Pack	:	Yes
Component Video Cable	:	Yes
AV Cable	:	Yes
USB Cable	:	Yes
Application Software	:	Yes

Annexure – 3

Specifications for

Video Handy-cam Camera

Preferred Make	:	Sony
HD Recording Format	:	1920 x 1080
HD Video Codec	:	MPEG-4 AVC / H.264
Media Storage Type	:	40GB hard Disk Drive
Optical / Digital Zoom	:	15x / 30x
Audio Format	:	Dolby Digital 5.1
Maximum Still Image Resolution (Photo Mode)	:	4.0 Mega Pixels
Face Detection (Video & Photo)	:	Yes
Image Stabiliser	:	Yes
Intelligent Flash	:	Yes
Handycam Station	:	Yes (USB 2.0 High Speed)
USB Terminal	:	Yes
AC Adaptor	:	Yes
Rechargeable Battery Pack	:	Yes
Component Video Cable	:	Yes
AV Cable	:	Yes
USB Cable	:	Yes
Application Software	:	Yes

Annexure- 4

Specification for

DVD Recorder

General

Product Type DVD Recorder

System

Features Progressive scanning (line doubling), simultaneous recording and playback, time shift function.

Audio System

Output Mode Stereo
Digital Audio Format Dolby Digital output, DTS digital output.

Connectors

Coaxial Digital Output Built -in

DVD

Type DVD recorder with TV tuner
Media Type CD-R, CD-RW, DVD-RAM, SVCD, DVD-R,
DVD + RW , DVD-RW, DVD + R, DVD,CD, Video CD

Recordable Media DVD-R, DVD-RW, DVD + RW, DVD +R, DVD + R

Recording Mode SP, LP, EP, HQ

Supported Digital Audio Standards MP3

Digital Player (Recorder)

Device Type Digital Player

Supported Digital Audio Standards MP3

Supported Digital Video Standards DIV X

Digital Storage Media Hard Disc drive -500 GB

Features JPEG photo playback

Digital TV Tuner

Digital TV Tuner Type DVB -T

Tuner Qty 2

Slot (s)

Type 1 x PC Card

Remote Control

Type Infrared Remote Control

Connections

Connector Type
1 X USB (4 PIN USB Type A)
1 X composite video/ audio input
1 X S-Video input
1 X composite video/ audio output
1 X component video output

Power

Type Internal

Annexure – 5

Specifications for

LCD Projector

Preferred Make	:	Sony
Projection System	:	3 LCD panels, 1 lens projection system
Panel	:	0.79 (2cms) XGA Panel, 2,359,296(1024 x 768 x 3) pixels
Projection Lens	:	1.2 times zoom lens, f=23.5 to 28.2 mm, F 1.75 to 2.17
Lamp	:	200W UHP
Screen Coverage	:	40 (101.6 cm) to 300 (762 cms)
Keystone Correction Range	:	+/- 25 degrees vertically, +/- 15 degrees horizontally
Light Output Lumens	:	3500 ANSI Lumens (Lamp mode High)/ 2500 ANSI Lumens
Throwing Distance 40 inch	:	1.2 m to 1.4 m
Throwing Distance 80 inch	:	2.4 m to 2.8 m
Throwing Distance 100 inch	:	3.0 m to 3.5 m
Throwing Distance 200 inch	:	6.0 m to 6.9 m
Throwing Distance 300 inch	:	9.1 m to 10.4 m
Colour System	:	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60
Resolution Video	:	750 TV Lines
Resolution RGB	:	1024 x 768 pixels
Speaker	:	Mono 1W (max.) x 1
Power Requirements	:	AC 100 to 240 V, 50/60 Hz
Power Consumption Standby	:	7 W
Operating Temperature	:	0 to 35° C (32 to 95° C)
Operating Humidity	:	35% to 85% (no condensation)
Mass	:	Approx. 4.0 Kg
Video Input (Composite Video)	:	RCA pin type x 1
Video Input (S Video)	:	Mini DIN 4 pin x 1
Video Input (Audio)	:	Stereo Minijack x 1
Remote RS-232C	:	D-sub 9 pin x 1

Annexure – 6

SLR Camera with Zoom

Type

Type	Digital, single-lens reflex, AF/AE camera with built-in flash
Recording Media	SD memory card, SDHC memory card
Image Sensor Size	22.2mm x 14.8 mm
Compatible Lenses	25mm-equivalent focal length approx. 1.6x the lens focal length

Image Sensor

Type	High-sensitivity, high-resolution, large single-plate CMOS sensor
Effective Pixels	Approx. 10.10 megapixels
Aspect Ratio	3:2 (Horizontal: Vertical)
Color Filter System	RGB primary color filters
Low-pass Filter	Located in front of the image sensor, non-removable
Dust Deletion feature	(1) Automatic sensor cleaning (2) Manual cleaning of sensor

Recording System

Reclmage Type	JPEG, RAW, RAW+JPEG
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Image Processing

Auto White Balance	Auto, Daylight, Shade, Cloudy, Tungsten, White Fluorescent Light, Flash, Custom
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Viewfinder

Coverage	Vertical/Horizontal approx. 95%
Magnification	Approx. 0.81x (-1m with 50mm lens at infinity)

Autofocus

Type	TTL secondary image-registration, phase detection
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Exposure Control

Metering Modes	35-zone TTL full-aperture metering
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Shutter

Type	Electronically-controlled, focal-plane shutter
Shutter-Speeds	1/4000 sec. to 30 sec., bulb, X-sync at 1/200 sec.

Built-in-Flash

Type	Retractable, auto pop-up flash
Flash Metering	E-TTL II autoflash

Live View Functions

Shooting Modes	(1) Live View shooting (2) Remote Live View shooting
Focusing	Manual focus Autofocus (Quick mode, Live mode)

LCD Monitor

Type	TFT color, liquid-crystal monitor
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Image Playback

Display Format	Single image, Single image + Image-recording quality, shooting Information, magnified
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Image Protection and Erase

Protect	Single images can be erase-protected or not
Erase	Single image, check-marked images, or all images at one time

Direct Printing

Direct Image Transfer Interface

USB Terminal	
Video Out Terminal	NTSC/PAL selectable

Power Source

Battery	One Battery Pack LP-ES AC power supplied via optional AC Adapter Kit
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Power Saving Power turns off after 30 Sec., 1,2,4 or 15 min.

Operating Environment

Working Temperature Range : 32-104 ° F/ 0-40 ° C

Working Humidity Range : 85% or less.