DOCTOR HARISINGH GOUR VISHWAVIDYALAYA, SAGAR, (M.P)

(A Central University)

DEPARTMENT OF CRIMINOLOGY & FORENSIC SCIENCE
UNDER DST - FIST

TENDER NOTICE

Tender No. CFS/2016-17/FIST/FPS/03 **Dated: 06-12-2016**

The university invites sealed Tenders from the Manufacturers/ authorized dealers for purchase of **Finger Print Imaging System.**

The complete technical details with specification of item(s), Eligibility, Tender document Fee, Address and procedure of tender are available at the university website **www.dhsgu.ac.in.** The last date for submission of tender on or before **09-01-2017** in the Department of Criminology & Forensic Science, Dr. Harisingh Gour Vishwavidyalaya, Sagar by Speed / Registered Post.

Devasish Bose

(Devasish Bose)
Prof. & Head
Dept of Criminology & Forensic Science,
Dr. Harisingh Gour Vishwavidyalaya, Sagar (MP)

Prof. & Head
Dept. of Criminology & Forensic Science
Dr. Harisingh Gour Vishwavidyalaya
Sagar (M. P.) 470003 INDIA

Note : Please See
(1) Tender details and
(2) Specification

On Next Page.....

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TENDER FOR SUPPLY OF FINGER PRINT IMAGING SYSTEM & ACCESSORIES

Cost of tender: Rs. 5,000/-
(Non-Refundable)

Tender No. CFS/2016-17/FIST/FPS/03

(1) Tender Closing Date	:	**09-01-2017**
(2) Tenders Opening	:	**13-01-2017**
(3) Venue for Submission of Tender :		**Devasish Bose** **Prof. & Head** **Dept. of Criminology & Forensic Science** **Dr. Harisingh Gour Vishwavidyalaya,** **Sagar(M.P.), India, 470003**
(4) Opening of Technical Bids	:	Venue: same as (3) above
(5) Opening of Financial Bids	:	Will be communicated later.

Changes if any, in schedule will be displayed on the website at www.dhsgsu.ac.in. No intimation shall be sent individually. Bidders are requested to keep checking the website for any changes in Venue and time of opening of the bids.

Devasish Bose

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1) Tender Notice

The Department of Criminology & Forensic Science, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) invites sealed tenders from manufacturers/suppliers for **Finger Print Imaging System** and other accessories with onsite.

(Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P. is an Autonomous Body under the Ministry of Human Resource Development, Govt. of India)

The following documents giving full details are enclosed:-

1) Annexure-I - Details and Items required
2) Annexure-II- General Terms and Conditions including eligibility conditions.
3) Annexure-III- Performa for Technical Bid and Undertaking.
4) Annexure-IV- Proforma for Undertaking.
5) Annexure-V- Proforma for Financial Bid

2) Schedule:

a) Due date and time of receipt of tender: **09-01-2017**

b) Address for submission of tender: **Devasish Bose**
Prof. & Head
Department of Criminology & Forensic Science
Dr. Harisingh Gour Vishwavidyalaya,
Sagar (M.P.), India, 470003

c) Opening of Technical Bids: **13-01-2017**
Venue: same as (b) above

d) Opening of financial bid will be communicated later

3) The tender documents can only be downloaded from the website of the Vishwavidyalaya: **www.dhsgsu.ac.in**

4) The tender, complete in all respect, must be received in the designated office before the due time and on or before the due date. The tenders received after the due date and time will not be considered. All tenders sent by registered speed post must be received in the designated office before due time on the due date. This office shall not be responsible for any kind of delay in submission of the tender.

5) The tender is not transferable. Only one tender shall be submitted by one Supplier.

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Annexure I

Tender No. CFS/2016-17/FIST/FPS/03

DETAILS OF THE ITEMS REQUIRED: FINGER PRINT IMAGING SYSTEM

To guarantee compliance with minimum laboratory safety requirements, and to ensure that the **Finger Print Imaging System** meets internationally-recognized safety norms, the **Finger Print Imaging System** shall be listed with Underwriters Laboratories (both UL and ULC), and will carry the CE mark, indicating compliance with EC Directives.

FINGERPRINT IMAGING SYSTEM

Technical Specifications:	
Application:	
• *Equipment for examination of fingerprints, documents and other objects.* • *Objects as large as 51 x 51 mm should be able to displayed live on the screen in real time.* • *For larger (355 x 205 mm) documents, it should be able to scan in high 1000 DPI resolution.* • *Angle of the LED illumination: To be select between 10 and 60 degrees.* • *Equipment should offers multispectral illumination enabling to visualize latent traces by luminescence. The system should have controlled Forensic software.* • *Images should be annotated, saved as files or in a database, compared and exported in reports.*	
Camera and Optics:	
Camera type	*4.1 Mpx CMOS, Monochromatic, USB 3.0 Interface, up to 18 fps*
Camera sensor	*1/1.8" size, 2016 x 2016 px, px size 3.1 µm*
Objective	*Schneider Kreuznach macro-lens or better*
Resolution	*1000 PPI, maintained regardless object thickness*
Live image	*Field of view 51 x 51 mm on screen in 1:1, real dimensions, or user defined zoom Auto-exposure and autofocus available*
Lenses and filters	*Holder for close-up lens (to compensate object height – 0.5, 1.0, 1.5, 2,5 included and color filters (for fluorescent object scanning – UV cut, yellow, orange, red included)*
Advanced scanning	*HDR (high dynamic range compensating objects with areas with different brightness)* *RGB scanning (true color full resolution RGB scanning using R,G,B illumination)*

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Motorization:	
XY motors	*355 x 205 mm scan able area*
Focusing	*Range 50 mm, parallel to optical axes with precise autofocus*
Lights	*Positioning of illumination panels Z position to compensate object height*
Control	*Via software*
Illumination	
Panels	*4 or 6 LED panels (wavelength configuration, see below) divided into pairs (left and right 12°, 45°, and 60°), panels can switched on/off in pairs or only left/right*
Power	*Up to 120 W total power or less*
Wavelengths	*RGB panel (460 - Blue, 530 - Green, 625 – Red + white)* *Mono panel (505, 590 nm)*
Supported objects	
Fingerprints	*Directly scanned on glass or phone display, treated with cyanoacrylate, treated with any of wide range of currently used fluorescent powders and dyes*
Documents	*355x205 mm paper*
Other	*Any flat object fitting maximum scan able area: 355 x 205 mm, maximum height 220 mm can be scanned*
PC Workstation (typical configuration)	
Processor	*4 or 6-core Intel Xeon CPU*
RAM	*16-32 GB DDR3*
Disk space	*256 GB SSD for system and 1 TB HDD for local data storage*
Monitor	*30", 2560x1600, pixel pitch 0.25 mm*
Features and highlights	
• *Versatile all-in-one device for scanning of all kind of trasological and dactyloscopic evidences including illumination suitable for fluorescent dyes and powders* • *Straightforward user-friendly interface for routine scanning, including wide scale of image processing and enhancement tools and wide range of comparison modes* • *Organizer to browse local images and to quickly create reports* • *Database support (simple Firebird based database enabling creation of customized tables and fields and filtering based on these fields)*	

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