

# **JIWAJI UNIVERSITY, GWALIOR**

## **TENDER DOCUMENT FOR CCTV SURVEILLANCE SYSTEM**

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JIWAJI UNIVERSITY, GWALIOR (M. P.)

**PRICE – Rs.1000/- Only**

Tel: (0751) 2442801, 2442823

Website: [www.jiwaji.edu](http://www.jiwaji.edu)

**JIWAJI UNIVERSITY, GWALIOR**

**TENDER NOTICE REVISED DATE**

**FOR**

**SUPPLY ,Installation & Commissioning of CCTV Surveillance System ( Revised Date)**


**Tender No./Stores//2016/ 866**

**Dated:-15/02/2016**

1. Wax-sealed tenders are invited from the reputed and professional manufactures or their authorized dealers, who have the annual turn-over of minimum of Rs. 1 Crore each year during the financial year 2012-13, 2013-14 and 2014-15, for the supply, installation and commissioning of CCTV Surveillance System in the University Campus, Jiwaji University, Gwalior(M.P.)

Name of the Work	Earnest Money Deposit	Last Date and Time for Receiving Tender ( Revised Date)	Date of Tender Opening
Supply, Installation & Commissioning of CCTV Surveillance System	50,000/-	23/2/2016 3:30 P.M.	26/2/2016

2. A set of Tender document can be obtained from the Office of the Registrar(Store Section), Jiwaji University , Gwalior\_474011 (M.P.), on any working day from 02/02/2016...to 23/02/2016 during the office hours at cost of Rs. 1000/.( Rupees One Thousand) (non refundable) by Demand Draft from any scheduled bank drawn in favour of the "Registrar, Jiwaji University, Gwalior(M.P.) payable at Gwalior.
3. The tender shall be accompanied with EMD of Rs. 50,000/- in the form of Demand Draft drawn on any nationalized scheduled bank in favor of the "Registrar Jiwaji University Gwalior" otherwise, the tender will not be accepted.
4. Details of the Tender Document can be seen at website [www.jiwaji.edu](http://www.jiwaji.edu). The tender document can also be downloaded from 'Tender Section' the website orf the University. In such case, the Tenders must enclose cost of bid document mentioned above in form of Demand Draft along with its Technical Bid. Tenders found without tender fee shall be rejected.
5. Complete wax-sealed tender may be send by Registered Post/Speed Post only to the Registrar, Jiwaji University, Gwalior (M.P.) As to reach the office on or before the due date. Alternatively, the University has also made provision of a 'Sealed Drop Box' kept in the Office of the Registrar (Store Section), Jiwaji University, Gwalior for the said purpose. The wax-sealed tenders may also dropped in the drop box on or before the due date After expiry of deadline for receiving the tenders, the mouth of the drop box will be sealed. Tenders received by any other means shall not be accepted.
6. The Registrar, Jiwaji University, Gwalior (M.P.) reserves the right to accept or reject the tender without assigning any reason thereof.

  
**Registrar**

## जीवाजी विश्वविद्यालय, ग्वालियर

टेण्डर निविदा सीसीटीवी से निगरानी प्रणाली

टेण्डर नंबर स्टोर/2016/866, दिनांक 15-02-2016 (संशोधित दिनांक)

जीवाजी विश्वविद्यालय, ग्वालियर में विश्वविद्यालय परिसर की सीसीटीवी से निगरानी प्रणाली कार्य हेतु मुहरबंद निविदायें आमंत्रित की जाती हैं निविदायें प्रोफेशनल मैनुफैक्चरर अथवा अधिकृत डीलर जिसका टर्न ओवर वर्ष 2012-13, 2013-14 एवं 2014-15 में एक करोड़ रुपये का हो की मान्य की जावेगी।

कार्य का नाम	अर्नेस्ट मनी डिपोजिट	टेण्डर प्राप्ति की अन्तिम तिथि एवं समय (संशोधित)	टेण्डर खुलने का दिनांक (संशोधित)
सीसीटीवी से निगरानी प्रणाली स्थापित करना	50000/-	23-2-2016 सायं 3.30 बजे	26-2-2016

सम्पूर्ण टेण्डर डाक्यूमेन्ट कुलसचिव (स्टोर सेक्शन), जीवाजी विश्वविद्यालय, ग्वालियर से रुपये 1000/- डिमाण्ड ड्राफ्ट जो कि कुलसचिव, जीवाजी विश्वविद्यालय ग्वालियर के नाम से देय हो, जमा कर प्राप्त किया जा सकता है। सम्पूर्ण टेण्डर संबंधी जानकारी एवं टेण्डर फार्म जीवाजी विश्वविद्यालय की वेबसाइट [www.jiwaji.edu](http://www.jiwaji.edu) से डाउनलोड की जा सकती है।

  
कुलसचिव

# **JIWAJI UNIVERSITY, GWALIOR**

## **TENDER FOR CCTV SURVEILLANCE SYSTEM**

### **CHECK LIST OF ENCLOSURES**

**(To Be Submitted In Envelope No. – 2)**

The tenderer should write enclosure No. as given below on each document of the enclosures of Technical bid envelope-2 and arrange them in the following order :  
(Please write enclosure no. on the cover page of each document with ink.)

**Enclosure-1** Technical bid form and terms & conditions duly signed by the tenderer with seal of the firm on each page.

**Enclosure-2** Compliance sheet duly filled by the tenderer to prove that all the items quoted are in accordance with the specifications laid down in the tender document.

**Enclosure-3** Copy of PAN No. issued by Income tax department

**Enclosure-4** Copy of VAT/ TIN/CST No. Registration issued by commercial tax department..

**Enclosure-5** Copy of Service Tax Reg. No. issued by central excise & custom dept.

**Enclosure-6** Copy of authorized dealer certificate issued by the Manufacturer of the equipments.

**Enclosure-7** Copy of registration as registered firm or Company.

**Enclosure-8** Copy of Audited Balance Sheet of the firm along with Audit Report for the last three financial years 2012-13,2013-14 and 2014-15 .

**Enclosure-9** Copy of Income Tax Return of the firm for the last three assessment years 2012-13,2013-14 and 2014-15.

**Enclosure-10** Copy of work orders along with installation report for proving the execution of minimum two CCTV projects of not less than 25 la 9cs during last three years in Govt./Semi Govt./undertakings .

**Enclosure-11** Copy of ISO Certificate for the CCTV manufacturer's plant.

**Enclosure-12** Copy of brochures or relevant documents for the equipments to prove that the equipments quoted are in accordance with the specifications laid down in the tender document.

**Enclosure-13** Declaration stating that the bidder has not been Black-Listed/De-listed or are put to any holding by any Indian Institutional Agency / Government Department / Public Sector Undertaking in last three years. In case they have been black listed by any of the Institutions, details of same be Furnished.

**Note: All pages including the enclosures shall be numbered and signed with seal by the tenderer.**

**JIWAJI UNIVERSITY, GWALIOR**  
**TERMS AND CONDITIONS**  
**(To Be Submitted In Envelope No. – 2)**

1. The sealed offers should be addressed to the Registrar Jiwaji University Gwalior, and to be submitted on or before **23 February 2016 Till 03:30 P.M.**
2. The offer received after **23 February 2016 Till 03:30 P.M.** shall not be accepted in any case.
3. Tenders received within the specified time shall be opened on **26/2/2016. FEBRUARY 20152** at 03:30 p.m. at room no.16 Administrative Block, Jiwaji University, Gwalior in presence of the tenderers or their authorized representatives who choose to remain present.
4. The tender shall be accompanied with EMD of **Rs. 50,000/-** in the form of Demand Draft drawn on any Nationalized Scheduled Bank in favour of The Registrar, Jiwaji University, Gwalior . In case of the tender document downloaded from the website, the cost of tender document Rs.1000/- should also be submitted by DD in favour of The Registrar, Jiwaji University, Gwalior.
5. The tenderer must be a Total System Integrator for supplying, installation and commissioning of hardware, software and services for CCTV surveillance system as required in the tender.
6. The tenderer must be a manufacturer or authorized dealer from the manufacturers for the equipments as specified in the tender document. If the certificates of authorized dealership for the equipments will not be found attached with the Technical Bid then the tender will be summarily rejected.
7. CCTV Manufacturer's plant must have ISO certificate. Tenderer should enclose copy of ISO certificate with technical bid.
8. The tenderer should have equipped after sales service center (SSC) with a minimum of one center in Gwalior city.
9. The tenderer must have executed minimum Two CCTV projects of not less than 25 lacs during last three years in Govt. Public Sector./Semi Govt./undertakings Private Enterprise . Please enclose copy of work order alongwith installation report with the technical bid.
10. The tenderer firm should have annual turnover at least of Rs.1. Crore lacs during last three financial years 2012-13,2013-14 and 2014-15. Copy of Audited Balance Sheet of the firm along with Audit Report for the last three financial years 2012-13,2013-14 and 2014-15 should be enclosed with technical bid.
11. The tenderer should enclose copy of PAN issued by income tax department with technical bid. Copy of Income Tax Return of the firm for the last three assessment years 2012-13,2013-14 and 2014-15 should also be enclosed with technical bid.
12. The tenderer should have VAT/TIN/CST registration No. issued by department of commercial taxes and Service Tax registration No. Issued by central excise & custom department. (Please enclose copy of registration with technical bid)
13. The tenderer should be registered under MP Shop & Establishment Act/Company Act or other applicable Act.(Please enclose copy of registration with technical bid.)

**Signature of tenderer with Seal**

14. Conditional Tenders shall not be accepted in any case. A copy of the terms and conditions signed by the tenderer with seal on each page should be submitted along with technical bid as token of acceptance of the terms and conditions. In case of non receipt of terms and conditions duly signed with the tender form the tender will be rejected.
15. Technical bid shall be opened only of those who have submitted the EMD and cost of tender form as specified.
16. Financial bid shall be opened only of those who are selected in Technical Bid evaluation.
17. The list of items required for CCTV surveillance system and their specifications are mentioned in the chart given below:

Technical Evolution will be on following Technical Evaluation Chart.

S.NO.	Parameters	Max Marks	Basis of Marks to-	-be awarded
			Criteria	Marks
1	Turnover	15	>3 Crore (15 Marks)	15
			2-3 Crore	12
			1-2 Crore	10
2	ISO Certificate	15	ISO27001:2005	15
3	Own Processing Software	15	Processing Software	15
4	No. of Projects completed worth more than 25 lacs during last three year	15	> 5	15
			3-5	12
			2	10
5	Project Presentation/ Demonstration	40	Based on Presentation.	

For Technical Qualification Bidding should score minimum 75 marks. Financial Bid of only those bidders will be opened who will score minimum 75 marks.

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S.No	Name of Equipment	Quantity (tentative)
1	<p><b>Wireless high speed dome PTZ Outdoor Camera</b></p> <ul style="list-style-type: none"> <li>•36x Optical Zoom/3.4-122 mm,      •600 TVL resolution,</li> <li>•Effective pixels : PAL: 720X576, 720X288, D1, 4CIF, 2CIF, CIF, QCIF,</li> <li>•PAN Range: 360° endless rotation,</li> <li>•Panning Tilt:180° continuously,</li> <li>•PAN Speed : 0.3<sup>0/s</sup>-400<sup>0/s</sup> (proportional zoom ratio),</li> <li>•Tilt range : 0<sup>0</sup>~ 90<sup>0</sup> (auto flip),</li> <li>•Tilt speed : 0.5<sup>0</sup>~ 150<sup>0</sup>/S ( Proportional Zoom Ratio ),</li> <li>•Built in IR-LED distance is over 120 m,</li> <li>•Electronic speed : N:1/4s to 1/10,000s &amp; P: 1/3s to 1/10,000s,</li> <li>• IR LED service life&gt;30,000 Hrs, Built fan &amp; Heater (Temperature Auto Control),      •Waterproof design,</li> <li>•Network function FTP/PPPOE/ DHCP/ DDNS/ NTP/UPnPetcnetwork Protocol,      •Day/Night cut (ICR),</li> <li>•Auto iris, Auto Focus, AWB,BLC,</li> <li>•TSV 3,000V lightning protection &amp; Voltage Transient protections,      • IP 66 certified, High die-cast aluminum using,</li> <li>Number of preset 255,      •Multiple Protocols,</li> <li>•Support power –Off memory,      •1/30 FPS self adjustment,</li> <li>•4 group of pattern tours, •Min. illumination : 0.7 Lux (color), 0.01 Lux (B/W), 0 Lux (IR On),      • AGC : Auto/Manual (On/Off),</li> <li>•White Balance : Auto/ATW/ Indore/Outdoor/Manual</li> </ul>	10
2	<p><b>Wireless Fixed Camera (IP) for static Day/Night Vision</b></p> <ul style="list-style-type: none"> <li>•Color 1/3” Progressive Scan CCD,</li> <li>•700 TVL Resolution Camera,</li> <li>•Low illumination, ATR, OSD,DNR. 2.8 mm-10mm Lens, D1 •Resolution, 1/30 FPS Self adjustment</li> <li>•Minimum Illumination: CDS OFF 0.1 LUX</li> <li>•Synchronization: Internal</li> <li>•S/N Ratio: More than 50dB</li> <li>•Video Output: CVBS: 1.0Vp-p 75OHM</li> <li>•White Balance: ATW/AWB/FIXED/MANUAL</li> <li>•Electronic Shutter Speed: PAL=Auto/Manual (1/50sec~1/100000sec)</li> <li>•Lens: 2,8mm - 10mm</li> </ul>	75

3	<b>Wireless mega pixel fixed camera Day/Night Vision</b> <ul style="list-style-type: none"> <li>•1.3 mega pixel Resolution Camera,</li> <li>•Dual core 32 bit DSP, Imbedded RTOS design,</li> <li>• Dual stream,                      • 720P+CIF, MPEG4,</li> <li>•Motion detection,              • High Precise,</li> <li>• High reliability Standard 3.6 mm/6mm Lens,</li> <li>•CS fixed lens,                      • Support double coloure filter,</li> <li>•IR Cut 7.30 pcs LED,              • distance :30-50m</li> </ul>	40
4	<b>Dome Camera: AHD 800 TVL,36IR,4/6 MM Lens for day and vision</b>	35
5	<b>Outr Door Camera: AHD 800 TVL, 36 IR 4/6 MM Lens for day and night vision</b>	10
6	<b>DVR 16x2 CHANNEL</b>	6
7	<b>Hard Disk 2GB (Segate)</b>	10 (Need Based)
8	<b>Power Supply 12v 20 amp</b>	
9	<b>Camera Surveillance /Monitoring Software</b> (Specification given )	1
10	<b>Wireless connectivity equipment.</b> (Specification given )	Need Based
11	<b>Storage Server</b> (Specification given)	4
12	<b>Client Monitoring Server</b> (Specification given)	2
13	<b>42" Full HD LED/LCD Monitor for 24x7 operation</b> <ul style="list-style-type: none"> <li>•Resolution 1920X1080 full HD,</li> <li>•Brightness 500cd/m<sup>2</sup> ( typ.),</li> <li>•Contrast ratio 1300:1,</li> <li>• Viewing angle up &amp; down 178<sup>0</sup> Left &amp; Right 178<sup>0</sup>,</li> </ul>	6
14	<b>Joy-Stick</b>	1
15	<b>16-Port Switch (D-Link, Cisco or equivalent)</b> <ul style="list-style-type: none"> <li>•Speed up to 200mbps per port in full duplex mode</li> <li>•Auto sensitivity 10/100/1000 mbps port</li> </ul>	6 (Need based)
16	<b>4" Dia , 5metre high GI Poles for mounting cameras and antenna</b>	Need based
17	<b>Installation/Civil work of poles</b>	Need based
18	<b>Network Rack for all equipments at main control Room</b>	4



19	<b>CAT 6 Cable for internal wiring (D-Link, CISCO or equivalent)</b>	Need Based
20	<b>Installation &amp; commissioning of the above equipments.</b> <ul style="list-style-type: none"> <li>•Laying of CAT-6 Cable should be done in PVC Casing/Caping.</li> <li>•Power cable should be of 1.5 mm</li> <li>•Outdoor laying in hard soil, Road should be with excavation &amp; back filling.</li> </ul>	
21	<b>3 Years Comprehensive Annual Maintenance Contract (AMC) After Completion of 12 months free maintenance service from the date of installation.</b>	

**Signature of tenderer with Seal**

## Specifications

**A**

### **(A) CAMERA SURVEILLANCE/MONITORING SOFTWARE:**

<b>SPECIFICATIONS</b>	
<b>MINIMUM NUMBER OF CAMERAS THAT COULD BE CONFIGURED</b>	<b>50</b>
<b>STREAM SUPPORT</b>	<b>Dual</b>
<b>NUMBER OF CAMERAS VIEWED ON SINGLE SCREEN</b>	<b>24</b>
<b>PTZ SUPPORT</b>	<b>On screen Zoom, Manual/auto Pan Tilt</b>
<b>GROUP SUPPORT</b>	<b>Capable of group formation/support</b>
<b>SUPPORT RESOLUTION</b>	<b>D1, CIF, 2CIF, 4CIF, QCIF.</b>
<b>FRAME RATE/BIT RATE/QUALITY</b>	<b>Variable</b>
<b>MOTION DETECTION</b>	<b>Selectable</b>
<b>USER MANAGEMENT</b>	<b>Minimum 10 users</b>
<b>SNAPSHOT SUPPORT</b>	<b>Capable of taking/storing/printing snapshots in live and recorded video</b>
<b>PLAYBACK SUPPORT</b>	<b>Date and time search/intelligent search</b>

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**CAMERA SURVEILLANCE/MONITORING SOFTWARE SPECIFICATIONS**

<b>SURVEILLANCE SOFTWARE SPECIFICATIONS</b>	
1	Software is complete scalable CCTV system, with advance motion detection, alerting, remote web interface
	(a) Flexible, user friendly and easy to use.
	© PC based Digital Security & Surveillance Systems utilizing the latest motion detection technology, providing the following advanced features:
	(i) Simultaneous recording & playback
	(ii) Instant playback with instant time & date jump
	(iii) Different video source types
	(iv) Web integration
	(v) Automatic archiving
	(vi) Motion map
2	Software has simultaneous record & playback, scheduled activity and flexible display options
3	Support for wide range of camera devices, including USB web cams, capture cards (for connection to conventional analogue) CCTV cameras), and the latest network/IP
4	Ability to display information on multiple monitors
5	Works with PTZ (Pan, Tilt & Zoom) cameras
6	Provides auto-tracking-the camera can move to follow movement through a monitored area
7	Software has a built-in loop play feature, to continuously loop the most recent activity
8	Software provides remote interface with a full live feed view, , control of PTZ cameras, multiple simultaneous feeds, and image quality settings to improve performance
9	Software remote interface provide Playback with all the options of the local playback facility, and should have capability that most of Console's
10	All of these remote interface features can be password protected at many levels to provide a powerful security system
12	Enhancement feature is also built in as standard within the software, that enhances images taken from
13	Recorded images affected by poor weather conditions are mathematically enhanced during playback
14	Upon image enhancement, Original image should remain unaltered for evidence integrity
15	Software also provide the following:
	(a) Each camera setting can be adjusted individually according to client's requirement
	(b) Schedule operation – All cameras can be fully scheduled individually
	(c) View and record multiple cameras
	(d) As many playback sessions as are required can be displayed at once
	(e) Automatic control of supported PTZ cameras
	(f) Alerting by audio alert, email (with images)
	(g) Built around a modular system of components
	(h) Because of its modular design, system not limited to one type of device- can mix devices as required
	(l) Software has built in feature to bring camera observation to mobile devices (require a software on a mobile device to view)
	<b>Note :-</b> Mention any other Specification related to software.

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**(B) TECHNICAL SPECIFICATION FOR WIRELESS LINK:**

<b>SPECIFICATIONS</b>	
<b>MINIMUM NETWORK SPEED FOR EACH SQUARE</b> (PUT THROUGH)	at least 2 mb for each camera upgradeable up to 20 mbps (full duplex)
<b>ROUTERS AND NETWORK SWITCHES</b>	D-Link/Cisco/3com
<b>Data Rates:</b>	54 Mbps
<b>Standards:</b>	IEEE802.11b/g,
<b>Compatibility:</b>	IEEE 802.11g/ IEEE 802.11b
<b>Power Requirements:</b>	Active Ethernet (Power over Ethernet) -48 VDC/0.375A External Unit: Auto sensing 100/240 VAC; 50/60 Hz
<b>Regulation Certifications :</b>	FCC Part 15 B & C, CE: EN 300328, EN 301489 EN 60950
<b>RF Information Frequency Band:</b>	802.11b/g 2.4 to 2.484 GHz, prog rammable for country regulations
<b>Media Access Protocol:</b>	Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
<b>Modulation Technology:</b>	Orthogonal Frequency Division Multiplexing (OFDM)
<b>Receive Sensitivity</b> (Typical):	802.11g: -90 dBm @ 6Mbps, -74 dBm @ 54Mbps 802.11b: -95 dBm @ 2 Mbps -90 dBm @ 11Mbps
<b>Available transmit power:</b>	(Typical) 2.4~2.462G(IEEE802.11g) 22dBm@54Mbps 2.4~2.462G(IEEE802.11b)
<b>RF Connector:</b>	SMA (Female Reverse) Type
<b>Networking Topology:</b>	Ad-Hoc, Infrastructure

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Cont..... **B**

<b>SPECIFICATIONS</b>	
<b>Operation Mode:</b>	<b>Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS Wireless IEEE802.11b/g</b>
<b>Interface:</b>	<b>One 10/100 RJ-45 port One console RS-232 port</b>
<b>Security:</b>	<b>I WPA/WPA2 Supplicantsupport in Client BridgeMode I WPA /WPA2/ Pre Share KEY(PSK) with TKIP/AE S I MAC address filtering (AP only)I Hide SSID in beaconsI VLAN Pass-through I L2 Isolation(AP mode)</b>
<b>IP Auto-configuration:</b>	<b>DHCP client/server</b>
<b>Management Configuration:</b>	<b>Web-based configuration (HTTP) Telnet Configuration SNMP V1, V2c, MIBI&amp;II</b>
<b>Environment Temperature Range:</b>	<b>Operating: -0°C to 60°Storage: -20°Cto 80°</b>
<b>Humidity (non-condensing):</b>	<b>5%~95% Typical</b>
<b>PROTOCOL</b>	<b>TCP/IP</b>
<b>MINIMUM UPTIME</b>	<b>99.9%</b>
<b>NETWORK SECURITY</b>	<b>Software &amp; Hardware Based.</b>
<b>MAXIMUM DISTANCE</b>	<b>Need Based</b>

**Signature of tenderer with Seal**

**(C) NETWORK SPECIFICATIONS (FOR STORAGE SERVER AT MAIN CONTROL ROOM):**

<b>SPECIFICATIONS</b>	
<b>POWER SUPPLY FOR CONTROL ROOM</b>	<b>220 VAC</b>
<b>OPERATING TEMPERATURE AT CONTROL ROOM</b>	<b>0 to 55 Degree</b>
<b>HUMIDITY AT CONTROL ROOM</b>	<b>10% to 90%, non-condensing</b>
<b>STORAGE &amp; MONITORING SERVER (QTY 1)</b>	<b>Intel Original 61WW Extreme Mother Board with Intel i7 Processor, 16 GB DDR3 RAM, 2 TB x 4 SCSI Hard Drives, Multimedia USB Keyboard &amp; Optical Mouse, DVD Writer, Nvidia GeForce PCI Express Graphic Card with 1 GB Video RAM, Color Master ATX Cabinet with SMP</b>
<b>DATA STORAGE</b>	<b>Minimum 15 Days</b>
<b>ARCHIVED DATA ACCESSIBILITY</b>	<b>Software based</b>
<b>NETWORK SWITCH</b>	<b>10/100/1000 Mbps Managed Switch</b>
<b>OPERATING SYSTEM COMPABILITY</b>	<b>WINDOWS or LINUX</b>

**Signature of tenderer with Seal**

**(D) NETWORK SPECIFICATIONS (FOR CLIENT SERVER AT CONTROL ROOM):**

<b>SPECIFICATIONS</b>	
<b>POWER SUPPLY FOR CONTROL ROOM</b>	<b>220 VAC</b>
<b>OPERATING TEMPERATURE AT CONTROL ROOM</b>	<b>0 to 55 Degree</b>
<b>HUMIDITY AT CONTROL ROOM</b>	<b>10% to 90%, non-condensing</b>
<b>STORAGE &amp; MONITORING SERVER (QTY 1)</b>	<b>Intel Core i5-2500 2<sup>nd</sup> Processor, Intel original 61ww motherboard 4 GB DDR3 RAM, 2tb x 2 HDD, Multimedia USB Keyboard &amp; Optical Mouse, DVD Writer, Nvidia GeForce PCI Express Graphic Card with 1 GB Video RAM, Color Master ATX Cabinet with SMPS</b>
<b>ARCHIVED DATA ACCESSIBILITY</b>	<b>Software based</b>
<b>NETWORK SWITCH</b>	<b>10/100/1000 Mbps Managed Switch</b>
<b>OPERATING SYSTEM COMPABILITY</b>	<b>WINDOWS or LINUX</b>

**Signature of tenderer with Seal**

18. The tenderer should enclose brochures or relevant documents for the equipments to prove that the equipments quoted are in accordance with the specification laid down in the tender documents.
19. Compliance sheet duly filled by the tenderer to prove that all the items quoted are in accordance with the specifications laid down in the tender document should be enclosed with technical bid.
20. It is compulsory for the successful tenderer to make 3 Years Comprehensive Annual Maintenance Contract (AMC) with The University after completion of 12 months free maintenance warrantee from the date of installation of CCTV surveillance system. The tenderer should clearly state regarding charges for comprehensive annual maintenance contract of the entire CCTV Surveillance System in the commercial bid and if it is not found then tender will be rejected of that tenderer.
21. The tenderer may visit the site before quoting for ascertaining the exact nature of Work, its quantity, location etc.

**24. A - Submission of the Tender Document**

The tender shall be submitted under TWO BID system in **three different sealed envelopes:**

**ENVELOPE No.1 :- EMD** and cost of tender document, if downloaded from the website.

**ENVELOPE No.2:- Technical Bid** and Terms & Conditions containing all certificates, documents, compliance sheet along with duly filled in check list, as set out in the tender document and in the order as given in the check list.

**ENVELOPE No.3:- Financial Bid**, containing the rates quoted by the tenderer.

**ENVELOPE No.1**

- (i) This envelope will consist of the Earnest Money Deposit (EMD) of Rs.50,000/- in the form of DD from any nationalized scheduled bank, in favour of the Registrar Jiwaji University Gwalior. In case of the tender document downloaded from the website, the cost of tender document Rs.1000/- should also be included in this envelope by DD in favour of the Registrar Jiwaji University Gwalior.
- (ii) Those tenders not containing the EMD and the cost of tender document will be summarily rejected.
- (iii) This envelope will be superscribed as “**ENVELOPE No.1 – EMD**” and should be addressed to the Registrar, Jiwaji University, Gwalior.

**ENVELOPE No.2**

- (i) All technical information in Technical bid along with Terms and Conditions, certificates, etc., to be submitted in Envelope No.2 duly sealed. The tenderer should write enclosure No. as given below on each document of the enclosures of Technical bid envelope and arrange them in the following order:

**Enclosure-1** Technical bid form and terms & conditions duly signed by the tenderer with seal of the firm on each page.

**Enclosure-2** Compliance sheet duly filled by the tenderer to prove that all the items quoted are in accordance with the specifications laid down in the tender document.

**Enclosure-3** Copy of PAN No. issued by Income tax department

**Signature of tenderer with Seal**



**Enclosure-4** Copy of VAT/ TIN/CST No. Registration issued by commercial tax department..

**Enclosure-5** Copy of Service Tax Reg. No. issued by central excise & custom dept.

**Enclosure-6** Copy of authorized dealer certificate issued by the Manufacturer for the equipments.

**Enclosure-7** Copy of registration certificate issued under MP shop & establishment act/Company Act or other applicable act.

**Enclosure-8** Copy of Audited Balance Sheet of the firm along with Audit Report for the last three financial years 2012-13 and 2013-14 and 2014-15..

**Enclosure-9** Copy of Income Tax Return of the firm for the last three assessment years 2012-13 and 2013-14 and 2014-15..

**Enclosure-10** Copy of work orders along with installation report for proving the execution of minimum two CCTV projects of not less than 10 lacs during last three years in Govt./Semi Govt./undertakings .

**Enclosure-11** Copy of ISO Certificate for the CCTV manufacturer's plant.

**Enclosure-12** Copy of brochures or relevant documents for the equipments to prove that the equipments quoted are in accordance with the specifications laid down in the tender document.

(ii) All pages including the enclosures shall be signed with seal by the tenderer.

(iii) This envelope will be superscribed as “**ENVELOPE No.2 – “TECHNICAL BID”** and should be addressed to the Registrar Jiwaji University, Gwalior.

### **ENVELOPE No.3**

(i) **FINANCIAL BID** shall be in the third envelope containing the filled up schedule of rates duly sealed.

(ii) This envelope should be superscribed as “**ENVELOPE No.3 – “FINANCIAL BID”** and should be addressed to The Registrar, Jiwaji University, Gwalior.

**B. All the above three envelopes are to be inserted in a larger envelope and duly sealed before submitting the tender document. This envelope should be addressed to the Registrar Jiwaji University Gwalior – 474011 (M.P.) and superscribed as ~ “TENDER FOR CCTV SURVEILLANCE SYSTEM”**

**All tenderers are required to read tender document carefully before quoting rates and submission of tender.**

### **25. RATES :**

(i) Only net rates should be quoted in financial bid against the specified column of the items.. No Separate free goods or cash discounts should be offered.

(ii) Delivery should be given to Jiwaji University, Gwalior. The University will pay no cartage or transportation charges and the rates must be quoted inclusive F.O.R. Gwalior accordingly.

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(iii) The net rate must be inclusive of all charges by way of packing, forwarding, incidental of transit charge including transit insurance, octroi and any other levies or duties, lift, labour charges etc. charge on the product except Sales Tax (VAT/CST). If rates are quoted giving any free goods quantity or cash discounts the same shall not be considered.

(iv) Only Sales Tax (VAT/CST) and surcharge if applicable will be paid over net rate.

(v) The rates must be written both in words and figures in financial bid, in case of discrepancy between the prices quoted in words and in figures, lower of the two shall be considered. There should not be errors and/or overwriting. Corrections if any should be made clearly and signed by the tenderer with date. Element of the Madhya Pradesh Sales Tax (VAT) or Central Sales Tax should be mentioned separately.

(vi) The tenderer should clearly state regarding charges for installation of the equipments if any, in the commercial bid excluding service tax etc. . Service tax if applicable will be paid extra.

(vii) The tenderer should clearly state regarding charges for Comprehensive Annual Maintenance Contract(AMC) of the entire CCTV Surveillance System in the commercial bid excluding service tax etc.. Service tax if applicable will be paid extra.

26. **EMD amount Rs. 50,000/-** of the the successful tenderer will be converted as part of performance guarantee after supply, installation & commissioning of CCTV Surveillance system, so as to ensure proper maintenance and satisfactory working of the items. The successful tenderer may choose to adjust EMD as part of performance guarantee otherwise after submission the required performance bank guarantee the EMD amount will be refunded back to the tenderer. No interest shall be paid on the EMD/Performance Guarantee.

**27. PERFORMANCE BANK GUARANTY:**

The performance bank guarantee for the entire CCTV Surveillance System will be 10% of the total approved cost of the equipments excluding installation and commissioning charges & taxes. After the successful supply, installation and commissioning of the CCTV surveillance system the successful tenderer should submit a performance bank guarantee issued by a nationalized scheduled bank valid for 13 months for the percentage amount as mentioned above in favour of the Registrar, Jiwaji University, Gwalior,. The payment of the successful tenderer should be released only after submission of the required performance bank guarantee.

**28. TERMS OF PAYMENT:**

**Condition of advance payment will not be accepted in any case. The payment will be made by Registrar JIwaji University, Gwalior, only after satisfactory supply, installation & commissioning of CCTV Surveillance System and submission of the following documents:**

- a) Two copies of the Supplier's invoice showing Order No. Goods description, quantity, unit price, total amount, Serial Nos. of the systems etc.
- b) Delivery note signed by consignee or acknowledgement of receipt of goods from the consignee.
- c) submission of the performance bank guarantee as mentioned in tender document.
- d) Insurance Certificate.

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- e) Manufacturer's/Supplier's Warranty certificate;
- f) Delivery of Software Licenses (Media and Paper Licenses)
- g) Inspection report of university authority; and the Supplier's factory inspection report;

29. **WARRANTY:**

Warranty for the entire CCTV surveillance System shall be for a period of **12 months** from the date of installation, commissioning and shall include free maintenance service, free provision of spare parts, kits, as and when necessary. This condition shall also apply towards the system software delivery by successful tenderer along with the system.

30. **INSURANCE:**

The vendor will undertake adequate insurance cover for the equipment and other accessories during the period of transit and installation and up to acceptance. The insurance shall be for an amount equal to 110% of CIF value of goods delivered at the University covering all risks (fire, burglary, SRCC, Natural calamities such as earthquake, flood, etc) for a period of **2 months** from the date of delivery covering the transit period.

31. **MAINTENANCE SERVICE:**

- (i) The vendor will provide to the University 12 (Twelve) months free maintenance service from the date of installation & commissioning of CCTV surveillance system and such service include repair and replacement of all kits or parts and spares as and when required. After the completion of warranty period it is compulsory for the successful tenderer to furnish three year Comprehensive annual rate contract with the university on the approved rates.
- (ii) The tenderer shall provide required support services by way of actual maintenance by their engineers and/or arrange for supply of kits or parts and spare on terms to be mutually agreed upon.

**BASIC REQUIREMENTS:**

1. **24 x 7 service on site support**
2. **Any technical call should be attend within 2 -3 hrs.**
3. **Immediate availability of spares at local office**
4. **Down time should not be more than 24 hrs.**
5. **In case of any major damage and defect in any equipment, a standby same equipment should be immediately provided by the tenderer for regular & continuous functioning of system.**

32. In case of any delay in maintenance & service the Registrar, Jiwaji University, Gwalior may impose a penalty of suitable amount which may be deducted from the performance bank Guarantee. Decision of the Registrar, Jiwaji University, Gwalior in this matter will be final and binding to the tenderer.

33. The cost of three Year Comprehensive Annual Maintenance Contract quoted by the tenderer and approved by the university shall be paid in advance in equal yearly installments within 30 days of receipt of claim submitted by tenderer at the start of each year, after completion of warrantee/maintenance obligation of the previous year.

**Signature of tenderer with Seal**

34. The successful tenderer should submit a Bank Guarantee for AMC @10% of the cost of equipments of CCTV surveillance system at least 15 days before the expiry of performance bank guarantee. The AMC Bank Guarantee should be valid for the period of 3 Year from the date of completion of the warranty period with 3 months grace period
35. The Bank Guarantee submitted towards performance guarantee taken during warranty period will be released only after submission of the bank guarantee for AMC as mentioned in clause No. 34. Non-submission of AMC Bank Guarantee at least 15 days before the expiry of Performance Bank Guarantee will be sufficient reason for invoking the performance guarantee. No separate AMC Agreement needs to be executed. **However, all the systems shall be properly maintained irrespective of Non-claiming/Non-renewal of AMC by the Tendere in time.**
36. The work should commence within 15 days from the date of issue of university work order.
37. Completion time for supply, installation and commissioning of CCTV Surveillance System shall be **60 days from the date of work Order.**
38. The work orders will be placed to the approved tender through registered post only and the date of registration at the post office will be treated as the date of order for calculating the period of execution. The approved tenderer will execute the order within specified time.
39. The successful Tenderer should take insurance coverage to cover the following:
  - (a) Workman compensation.
  - (b) Third party liability.
  - (c) All risk insurance policy.
40. **Important Clause:** It will be the sole responsibility of the successful tenderer to design, supply all the material required for successful completion of the work, erect them as per our requirement and commissioning the same. The entire system shall be tested and the same will be taken over by the Jiwaji University, Gwalior.
41. *Rate finalized under this tender process will be applicable for a period of one year from the date of the first work order.*
42. Remittance charges on payment made to the firm will be borne by the firm.
43. The requirement shown in the Tender Document is tentative and may vary as per actual requirement at the time of placing the order.
44. The quantity of equipments indicated in the tender is mere estimates and is intended to give an idea to the prospective tenderers to enable them to decide whether they will undertake to supply & install the equipments to this University on most competitive rates. The figures indicated in the tender do not constitute any commitment on the part of the university to purchase equipments in the quantity shown therein. It is further made clear that the University does not bind itself to purchase all quantity mentioned in the tender and no objection against the quantity of the indent of equipments being more or less than the approximate quantity will be entertained and shall not be acceptable as a ground for non supply on the quantity indented.

**Signature of tenderer with Seal**

45. If there is any DGS&D rate contract or MPLUN rate contract, the same should be quoted enclosing the copy of rate contract, which will get preference.
46. The tenderer should avoid the use of vague terms such as 'extra as applicable' otherwise such tenders will be rejected.
47. If any dates of receipt/opening of tender happen to be declared as holiday, the schedule will be shifted to the next working day automatically.
48. Earnest money shall be forfeited in case the selected firm does not supply the items within specified time as mentioned in the supply order by the Registrar, Jiwaji University, Gwalior.
49. The Tenderer may be disqualified, banned or suspended from the work allotted if:-
  - A. The firm is suspected to be doubtful loyalty to state.
  - B. The state bureau of investigation moral turpitude in relation to business dealings, which if established would result in business dealing with it banned.
  - C. Registrar, Jiwaji University, Gwalior is prima-facie of the view that the firm is guilty of an offence involving moral turpitude in relation to business dealings, which if established would result in business dealing with it banned.
50. If the successful tenderer requests for an extension of time for supply and installation of all or any item due to account of occurrence of any circumstances beyond control of human being than he shall apply in writing to the Registrar Jiwaji University, Gwalior for the same immediately on occurrence of the circumstances. Decision of the Vice Chancellor, Jiwaji University will be final and binding to the tenderer in this regard.
51. If the tenderer is unable to complete the supply, installation & commissioning of CCTV Surveillance System within the specified or extended period, the Registrar shall be entitled to purchase all the items or any part thereof from the second lowest bidder or elsewhere without notice to the tenderer on his (i.e., Tenderers) account and risk. The tenderer shall be liable to pay any loss or damage which the registrar Jiwaji University may sustain by reasons of such failure on the part of the tenderer.
52. The supply order shall generally be awarded to the lowest tenderer as per the Bid Evaluation Criteria. However the Registrar Jiwaji University Gwalior does not bind itself to accept the lowest or any other offer and reserves the right to accept or reject any or all the offers either in full or in part without assigning any reason. The Registrar Jiwaji University, Gwalior also reserves the right to reject any bid which in his opinion is violating any of the conditions without any liability to any loss whatsoever it may cause to the tenderer in the process.
53. Tax deducted at source (TDS) will be deducted by the Registrar Jiwaji University from the bills as per rules enforce from time to time. The firm will have to bear all applicable taxes and duties enforced by the Central / State Government / Local Bodies from time to time.
54. All the items supplied by the tenderer should be strictly in accordance with the specifications laid down in the tender document.

**Signature of tenderer with Seal**

55. The tenderer shall be responsible for the proper packing and delivery of the material to the University. In the event of any loss, damage, or breakage or shortage, the tenderer shall make good the loss and shortage found at the checking of the materials by the University. No extra cost on such account shall be admissible.
56. The prices charged for the items supplied by successful Tenderer shall in no event exceed the lowest price at which the successful Tenderer sells the same items to any other persons during the period of supply to the university. If any time, during the period of supply, the tenderer reduces the sales price chargeable for any item, he shall forth will notify such reduction to the Registrar, Jiwaji University, Gwalior and the price same payable for the items supplied after the date of coming into force of such reduction or sale shall stand corresponding reduced.
57. Extra stipulation or any other conditions contrary to the above Tender Conditions are not acceptable and may render the tender liable to rejection.
58. In the event of any dispute, The Vice Chancellor Jiwaji University, shall be the sole Arbitrator and his decision shall be final and binding on both the parties. .
59. After submission of tender no tenderer shall contact Jiwaji University on any matter relating to bid. Any effort on part of a tenderer to influence the Competent Authority in the decision making of bid evaluation or bid comparison may result in rejection of the tenderer's bid.
60. Legal proceeding if any arising out of the Tender shall have to be lodged in courts situated in Gwalior City only.
61. It is expected and assumed that all the documents, certificates, declarations made are true and correct on the basis of which technical evaluation will be made. If the information submitted by the tenderer is not correct and subsequently has come to the knowledge of Jiwaji University, then the order of supply for the items may be liable for cancellation at the discretion of jiwaji University and EMD/Performance Guarantee will be forfeited.
62. The Registrar, Jiwaji University, Gwalior can relax the terms and conditions in the exigency of the department work.

**Registrar**

**Jiwaji University, Gwalior**

**I/We have read the above terms and conditions and I/We agree to abide by the same.**

**Signature of Tenderer with Seal**

# JIWAJI UNIVERSITY, GWALIOR

## TECHNICAL BID FOR CCTV SURVEILLANCE SYSTEM

(To be submitted in Envelope No. -02)

(Please write all entries in Capital letters and enclose relevant documents as required)

1- Name Of The Tenderer Firm :.....

2- Address Of The Firm : .....

.....  
.....Telephone No.....

3- Name Of The Proprietor Of The Firm :.....

4- Telephone Number 1- Office :.....2- Residence :.....

Mobile :.....Fax :.....

5- E-Mail Id Of The Firm : .....

6- Full Address of the Service Center :.....

Situated at Gwalior City. ....Telephone No. ....

7- Details Of The EMD Amount : Rs..... D.D. No.....

Dated..... Name and address of the Bank : .....

8- Details Of The Cost Of Form Purchased :

(A) If Purchased From The University : Amount Rs.....

(Please enclose photocopy of the receipt) -Receipt No..... Dated.....

(B) If Downloaded From The University Website

Rs..... D.D. No..... Dated.....

Name and address of the Bank : .....

Signature of Tenderer with Seal

- 9- PAN No. issued by Income Tax Department :  
(Please enclose photocopy)
- 10- VAT/TIN/CST Registration No. :  
issued by commercial Tax department:  
(Please enclose photo copy)
- 11- Service Tax Registration No. :  
issued by Central Excise & Custom department :  
(Please enclose photo copy)
- 12- Whether Registration No./Certificate Issued Under :Yes/No  
M.P. shops and Establishment Act/Company Act or other  
applicable Act is enclosed.
- 13- Whether copy of Audited Balance Sheet of the firm along :Yes/No  
with Audit Report for the last three financial  
years 2012-13, 2013-14 and 2014-15 is enclosed.
- 14- Whether Copy of Income Tax Return of the firm for the :Yes/No  
last three assessment years 2012-13,2013-14 and 2014-15 is enclosed.
- 15- Whether Copy of Authorized Dealership Certificate :Yes/No.  
issued by the manufacturer for the equipments  
is enclosed .
- 16- Whether copy of brochures or relevant documents :Yes/No  
for the equipments is enclosed.
- 17- Whether Acceptance of terms & conditions is enclosed :Yes/No  
(Please sign each page of terms & conditions as  
token of acceptance)
- 18- Whether Agreed for three year Comprehensive Annual Maintenance :Yes/No  
Contract (AMC) as mentioned in tender document.
- 19- Whether CCTV Manufacturer's plant ISO Certificate is enclosed.:Yes/No
- 20- Whether copy of work order along with installation  
report to prove the experience as mentioned in the tender document :Yes/No  
is enclosed.
- 21- Whether Copy of Compliance Sheet is enclosed :Yes/No  
(Please sign each page of Compliance Sheet)

**Signature of Tenderer with Seal**



**(To be submitted in Envelope No. -02)**  
**COMPLIANCE SHEET-1**

SPECIFICATIONS	Compliance		Remark
	Yes	No	
<p><b>Wireless high speed dome PTZ Outdoor Camera</b></p> <ul style="list-style-type: none"> <li>•36x Optical Zoom/3.4-122 mm,</li> <li>•600 TVL resolution,</li> <li>•Effective pixels : PAL: 720X576, 720X288, D1, 4CIF, 2CIF, CIF, QCIF,</li> <li>•PAN Range: 360 endless rotation,</li> <li>•Panning Tilt:180 continuously,</li> <li>•PAN Speed : 0.3<sup>0/s</sup>-400<sup>0/s</sup> (proportional zoom ratio),</li> <li>•Tilt range : 0<sup>0</sup>~ 90<sup>0</sup> (auto flip),</li> <li>•Tilt speed : 0.5<sup>0</sup>~ 150<sup>0</sup>/S ( Proportional Zoom Ratio ),</li> <li>•Built in IR-LED distance is over 120 m,</li> <li>•Electronic speed : N:1/4s to 1/10,000s &amp; P: 1/3s to 1/10,000s,</li> <li>• IR LED service life&gt;30,000 Hrs, Built fan &amp; Heater (Temperature Auto Control),</li> <li>•Waterproof design,</li> <li>•Network function FTP/PPPOE/ DHCP/ DDNS/ NTP/UPnPetcnetwork Protocol,</li> <li>•Day/Night cut (ICR),</li> <li>•Auto iris, Auto Focus, AWB,BLC,</li> <li>•TSV 3,000V lightning protection &amp; Voltage Transient protections,</li> <li>• IP 66 certified, High die-cast aluminum casing, Number of preset 255,</li> <li>•Multiple Protocols,</li> <li>•Support power –Off memory,</li> <li>•1/30 FPS self adjustment,</li> <li>•4 group of pattern tours,</li> <li>• Pelco_P, Pelco_D compatible,</li> <li>•Min. illumination : 0.7 Lux (color), 0.01 Lux (B/W), 0 Lux (IR On),</li> <li>• AGC : Auto/Manual (On/Off),</li> <li>•White Balance : Auto/ATW/ Indore/Outdoor/Manual</li> </ul>			
<b>Signature of Tenderer with Seal</b>			

(To be submitted in Envelope No. -02)

**COMPLIANCE SHEET-2**

SPECIFICATIONS	Compliance		Remark
	Yes	No	
<p><b>Wireless Fixed Camera (IP) for static Day/Night Vision</b></p> <ul style="list-style-type: none"> <li>•Color 1/3” Prograssive Scan CCD,</li> <li>•700 TVL Resolution Camera,</li> <li>•Low illumination, ATR, OSD,DNR. 2.8 mm-10mm Lens, D1 •Resolution, 1/30 FPS Self adjustment</li> <li>•Minimum Illumination: CDS OFF 0.1 LUX</li> <li>•Synchronization: Internal</li> <li>•S/N Ratio: More than 50dB</li> <li>•Video Output: CVBS: 1.0Vp-p 75OHM</li> <li>•White Balance: ATW/AWB/FIXED/MANUAL</li> <li>•Electronic Shutter Speed: PAL=Auto/Manual (1/50sec~1/100000see</li> <li>•Privacy: ON/OFF(4 Programmable Zone)</li> <li>•Power Supply:DC12V</li> <li>•Power Consumption:CDS ON :350Ma Max</li> <li>•Lens: 2.8mm -10mm</li> </ul>			
<p><b>Wireless mega pixel fixed camera Day/Night Vision</b></p> <ul style="list-style-type: none"> <li>•1.3 mega pixel Resolution Camera,</li> <li>•Dual core 32 bit DSP, Imbedded RTOS design,</li> <li>• Dual stream,</li> <li>• 720P+CIF, MPEG4,</li> <li>•Motion detection,</li> <li>• High Precise,</li> <li>• High reliability Standard 3.6 mm/6mm Lens,</li> <li>•CS fixed lens,</li> <li>• Support double colore filter,</li> <li>•IR Cut 7.30 pcs LED,</li> <li>• distance :30-50m</li> </ul>			

**Signature of Tenderer with Seal**

**(To be submitted in Envelope No. -02)**  
**COMPLIANCE SHEET-3**

**CAMERA SURVEILLANCE/MONITORING SOFTWARE:**

SPECIFICATIONS		Compliance		Remark
		Yes	No	
MINIMUM NUMBER OF CAMERAS THAT COULD BE CONFIGURED	100			
STREAM SUPPORT	Dual			
NUMBER OF CAMERAS VIEWED ON SINGLE SCREEN	36			
PTZ SUPPORT	On screen Zoom, Manual/auto Pan Tilt			
GROUP SUPPORT	Capable of group formation/support			
SUPPORT RESOLUTION	D1, CIF, 2CIF, 4CIF, QCIF.			
FRAME RATE/BIT RATE/QUALITY	Variable			
MOTION DETECTION	Selectable			
USER MANAGEMENT	Minimum 10 users			
SNAPSHOT SUPPORT	Capable of taking/storing/printing snapshots in live and recorded video			
PLAYBACK SUPPORT	Date and time search/intelligent search			

**Signature of tenderer with Seal**

Cont.....

(To be submitted in Envelope No. -02)

**COMPLIANCE SHEET-4**

**CAMERA SURVEILLANCE/MONITORING SOFTWARE SPECIFICATION Cont...**

SURVEILLANCE SOFTWARE SPECIFICATIONS		Compliance		Remark
		Yes	No	
1	Software is complete scalable CCTV system, with advance motion detection, alerting, remote web interface			
	(a) Flexible, user friendly and easy to use.			
	© PC based Digital Security & Surveillance Systems utilizing the latest motion detection			
	(i) Simultaneous recording & playback			
	(ii) Instant playback with instant time & date jump			
	(iii) Different video source types			
	(iv) Web integration			
	(v) Automatic archiving			
	(vi) Motion map			
2	Software has simultaneous record & playback, scheduled activity and flexible display options			
3	Support for wide range of camera devices, including USB web cams, capture cards (for connection to conventional analogue)			
4	Ability to display information on multiple monitors			
5	Works with PTZ (Pan, Tilt & Zoom) cameras			
6	Provides auto-tracking-the camera can move to follow movement through a monitored area			
7	Software has a built-in loop play feature, to continuously loop the most recent activity			
8	Software provides remote interface with a full live feed view, , control of PTZ cameras, multiple simultaneous feeds, and image			
9	Software remote interface provide Playback with all the options of the local playback facility, and should have			
10	All of these remote interface features can be password protected at many levels to provide a powerful security system			
12	Enhancement feature is also built in as standard within the software, that enhances images taken from			
13	Recorded images affected by poor weather conditions are mathematically enhanced during playback			
14	Upon image enhancement, Original image should remain unaltered for evidence integrity			
15	Software also provide the following:			
	(a) Each camera setting can be adjusted individually according to client's requirement			
	(b) Schedule operation – All cameras can be fully scheduled individually			
	(c) View and record multiple cameras			
	(d) As many playback sessions as are required can be displayed at once			
	(e) Automatic control of supported PTZ cameras			
	(f) Alerting by audio alert, email (with images)			
	(g) Built around a modular system of components			
	(h) Because of its modular design, system not limited to one type of device- can mix devices as required			
	(l) Software has built in feature to bring camera observation to mobile devices (require a software on a mobile device to view)			

**Signature of tenderer with Seal**

(To be submitted in Envelope No. -02)

**COMPLIANCE SHEET-5**

**TECHNICAL SPECIFICATION FOR WIRELESS LINK:**

SPECIFICATIONS		Compliance		Remark
		Yes	No	
MINIMUM NETWORK SPEED FOR EACH SQUARE (PUT THROUGH)	at least 2 mb for each camera upgradeable up to 20 mbps (full duplex)			
ROUTERS AND NETWORK SWITCHES	D-Link/Cisco/3com OR reputed make			
Data Rates:	54 Mbps			
Standards:	IEEE802.11b/g,			
Compatibility:	IEEE 802.11g/ IEEE 802.11b			
Power Requirements:	Active Ethernet (Power over Ethernet) –48 VDC/0.375A External Unit: Auto sensing 100/240 VAC; 50/60 Hz			
Regulation Certifications :	FCC Part 15 B & C, CE: EN 300328, EN 301489 EN 60950			
RF Information Frequency Band:	802.11b/g 2.4 to 2.484 GHz, programmable for country regulations			
Media Access Protocol:	Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)			
Modulation Technology:	Orthogonal Frequency Division Multiplexing (OFDM)			
Receive Sensitivity (Typical):	802.11g: -90 dBm @ 6Mbps, -74 dBm @ 54Mbps 802.11b: -95 dBm @ 2 Mbps -90 dBm @ 11Mbps			
Available transmit power:	(Typical) 2.4~2.462G(IEEE802.11g) 22dBm@54Mbps 2.4~2.462G(IEEE802.11b)			
RF Connector:	SMA (Female Reverse) Type			
Networking Topology:	Ad-Hoc, Infrastructure			

**Signature of tenderer with Seal**

Cont.....

(To be submitted in Envelope No. -02)

**COMPLIANCE SHEET-6**

**TECHNICAL SPECIFICATION FOR WIRELESS LINK:**

Cont...

SPECIFICATIONS		Compliance		Remark
		Yes	No	
<b>Operation Mode:</b>	Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS  Wireless IEEE802.11b/g			
<b>Interface:</b>	One 10/100 RJ-45 port One console RS-232 port			
<b>Security:</b>	I WPA/WPA2 Suppliantsupport in Client BridgeMode I WPA /WPA2/ Pre Share KEY(PSK) with TKIP/AES I MAC address filtering (AP only)I Hide SSID in beaconsI VLAN Pass-through I L2 Isolation(AP mode)			
<b>IP Auto-configuration:</b>	DHCP client/server			
<b>Management Configuration:</b>	Web-based configuration (HTTP) Telnet Configuration SNMP V1, V2c, MIBI&II			
<b>Environment Temperature Range:</b>	Operating: -0°C to 60°Storage: -20°Cto 80°			
<b>Humidity (non-condensing):</b>	5%~95% Typical			
<b>PROTOCOL</b>	TCP/IP			
<b>MINIMUM UPTIME</b>	99.9%			
<b>NETWORK SECURITY</b>	Software & Hardware Based.			
<b>MAXIMUM DISTANCE</b>	Need Based			

**Signature of tenderer with Seal**

**(To be submitted in Envelope No. -02)**  
**COMPLIANCE SHEET-7**

**NETWORK SPECIFICATIONS (FOR MAIN CONTROL ROOM):**

SPECIFICATIONS		Compliance		Remark
		Yes	No	
POWER SUPPLY FOR CONTROL ROOM	220 VAC			
OPERATING TEMPERATURE AT CONTROL ROOM	0 to 55 Degree			
HUMIDITY AT CONTROL ROOM	10% to 90%, non-condensing			
STORAGE & MONITORING SERVER (QTY 1)	Intel Original 61WW Extreme Mother Board with Intel i7 Processor, 16 GB DDR3 RAM, 2 TB x 4 SCSI Hard Drives, Multimedia USB Keyboard & Optical Mouse, DVD Writer, Nvidia GeForce PCI Express Graphic Card with 1 GB Video RAM, Color Master ATX Cabinet with SMP			
DATA STORAGE	Minimum 15 Days			
ARCHIVED DATA ACCESSIBILITY	Software based			
NETWORK SWITCH	10/100/1000 Mbps Managed Switch			
OPERATING SYSTEM COMPABILITY	WINDOWS or LINUX			

**Signature of tenderer with Seal**

**(To be submitted in Envelope No. -02)**  
**COMPLIANCE SHEET-8**

**NETWORK SPECIFICATIONS (FOR CLIENT SERVER):**

SPECIFICATIONS		Compliance		Remark
		Yes	No	
POWER SUPPLY FOR CONTROL ROOM	220 VAC			
OPERATING TEMPERATURE AT CONTROL ROOM	0 to 55 Degree			
HUMIDITY AT CONTROL ROOM	10% to 90%, non-condensing			
STORAGE & MONITORING SERVER (QTY 1)	Intel Core i5-2500 2 <sup>nd</sup> Processor, Intel original 61ww motherboard 4 GB DDR3 RAM, 2tb x 2 HDD, Multimedia USB Keyboard & Optical Mouse, DVD Writer, Nvidia GeForce PCI Express Graphic Card with 1 GB Video RAM, Color Master ATX Cabinet with SMPS			
ARCHIVED DATA ACCESSIBILITY	Software based			
NETWORK SWITCH	10/100/1000 Mbps Managed Switch			
OPERATING SYSTEM COMPABILITY	WINDOWS or LINUX			

**Signature of tenderer with Seal**



**JIWAJI UNIVERSITY, GWALIOR**  
**FINANCIAL BID FOR**  
**CCTV SURVEILLANCE SYSTEM**  
**(To be submitted in Envelope No.-03)**

1. Name of the Firm .....
2. Address of the firm .....
3. Contact No. ....

- (i) Please read general terms & conditions carefully before filling the financial bid.
- (ii) Quoted net rates for the items must be inclusive of all charges by way of packing, forwarding incidental of transit charge including transit insurance, octroi and any other levies or duties, lift, labour charges etc. and transportation of material up to University office/store excluding Sales Tax (MPST/CST/VAT).
- (iii) Please quote net rates for installation of the equipments and Annual Maintenance Contract for the entire CCTV Surveillance System excluding service tax. Service tax If any, will be paid extra.

Note :-

1. No separate free goods or cash discounts should be offered.
2. Rates should be written both in words and figures.

**PART A.**

S.No	Description of Item with specifications as mentioned in the Tender Document	Unit Price Rs.		MPST/CST/VAT (as applicable) Please Mention in %
		In Fig.	In Word	
1	Wireless high speed dome PTZ Outdoor Camera			
2	Wireless Fixed Camera (IP) for static Day/Night Vision			
3	Wireless mega pixel fixed camera Day/Night Vision			
4	Dome Camera: AHD 800 TVL,36IR,4/6 MM Lens for day and vision			

5	<b>Outr Door Camera: AHD 800 TVL, 36 IR 4/6 MM Lens for day and night vision</b>			
6	<b>DVR 16x2 CHANNEL</b>			
4	<b>Camera Surveillance /Monitoring Software</b>			
5	<b>Wireless connectivity equipment</b>			

**Signature of tenderer with Seal**

**Cont.....**

**FINANCIAL BID FOR  
CCTV SURVEILLANCE SYSTEM**

S.No	Description of Item with specifications as mentioned in the Tender Document	Unit Price Rs.		MPST/CST/VAT (as applicable) Please Mention in %
		In Fig.	In Word	
6	Storage Server			
7	Monitoring Server			
8	42" Full HD LED/LCD Monitor for 24x7 operation			
9	Joy-Stick			
10	16-Port Switch (D-Link, Cisco or equivalent)			
11	4" Dia , 5metre high GI Poles for mounting cameras And antenna			
12	Installation/Civil work of one pole			
13	Network Rack for all equipments at main control Room			
14	CAT 6 Cable for internal wiring			

**PART B.**

S.No.	Description of Work	Price Rs.		Service Tax %
		In Fig.	In words	
1	Installation & Commissioning Charges for the Entire CCTV Surveillance System			
2	Comprehensive Annual Maintenance Contract (AMC) Charges for One Year			

**Signature of Tenderer with Seal**

\*\*\*\*\*END OF THE TENDER\*\*\*\*\*