# **Open Competitive Bidding**



# **TENDER DOCUMENT**

# **FOR**

# SUPPLY, INSTALLATION, TESTTING & COMMISSIOING OF IP CAMERA BASED SURVEILLANCE SYSTEM

# **FOR**

# **CENTRAL LIBRARY**

# **Shri Mata Vaishno Devi University**

SMVDU Campus, Sub Post Office -182320, Katra, Distt.Reasi, J&K 01991-285535, 285634, Extn.2108,2741 Fax: 01991-285573, 285687

# **Last Date for Submission of Tender Document: 31 December 2013**

# **SUPPLY, INSTALLATION, TESTTING & COMMISSIOING OF IP CAMERA BASED SURVEILLANCE SYSTEM**

Interested Bidders may visit www.smvdu.net.in

For details please contact:

# **LIBRARIAN CENTRAL LIBRARY Shri Mata Vaishno Devi University**

SMVDU Campus, Sub Post Office -182320, Katra, Distt.Reasi, J&K 01991-285535, 285634, Extn.2741

Fax: 01991-285573, 285687

	Notice Inviting Tender Details				
S.No	Description				
1.	University Name	Shri Mata Vaishno Devi University			
2.	College Name				
3.	Indenting Deptt.	Central Library			
4.	Tender Number	01/SMVDU/S&P/Lib/2013-14/1347			
5.	Tender Subject	Supply, Installation, Testing & Commissioning of CCTV's			
6.	Tender Type	Limited			
7.	Tender Category	Products /Equipments			
8.	EMD / Bid Security (INR)	Rs.14,000/- (Enclose in separate cover)			
9.	EMD/Bid Security Payable To	In the form of CDR/FDR, drawn on a nationalized bank in favour of "Registrar, SMVDU" payable at Jammu.			
10.	Non-refundable Tender Fee	Rs.500 /- in the form of Demand Draft (Enclose in separate cover)			
11.	Tender Fee	The DD should be drawn in the favor of  "Registrar, SMVDU" payable at Jammu.  The Applications can be obtained from either from the Office of  Registrar SMVDU, SMVDU Campus, Sub Post Office- 182320, Katra, J&K or  It can be downloaded for the university website  www.smvdu.net.in  If the application is downloaded from the website, the DD for  Rs.500/- must be drawn in favor of "Registrar, SMVDU"  payable at Jammu.  This DD can be submitted along with the Tender bids.			
		<b>Note:</b> Please do not enclose the DD inside the bid. It should be in a separate envelope. Application Fee is Non Transferable			

12.	Schedule Sale opening date	NA
13.	Schedule Sale Closing Date	NA
14.	Bid Submission Closing Date	31 December 2013 at 4.00 PM
15.	Bid Submission	In person / Post. However, for postal delay, University cannot be held responsible.
16.	Pre-Qualification/Technical Bid Opening Date (Qualification and Eligibility Stage	NA
17.	Technical Specifications Bid Opening Date(Technical Bid Stage)	Will be intimated
18.	Price Bid Opening Date (Financial Bid Stage)	Will be intimated
19.	Place of Tender Opening	Office of Registrar SMVDU, SMVDU Campus, Sub Post Office-182320, Katra, J&K
20.	Officer Inviting Bids/Contact Person	Registrar SMVDU
21.	Address/E-mail ID	registrar@smvdu.ac.in, purchasesmvdu@hotmail.com, librarian@smvdu.ac.in
22.	Contact Details/Telephone, Fax	Ph: 01991-285634, 285535, Extn: 2102,2741,2108
23.	Eligibility Criterion	As per the tender document <b>Annexure-02</b>

24.	Procedure For Bid Submission	Eligible Tenderers are required to submit their proposals in two separate sealed envelopes - one for Technical bid and the other for financial bid. Both the (Technical bid and Financial Bid) envelopes should be kept in a big sealed envelope. All the envelopes should be named respectively. The technical bid shall contain Technical information of the proposal, Tender fee and EMD in the shape of CDR/DD should be sealed in a separate envelopes and must be contained in the envelop of Technical Bid. Tender No & Date, Last Date for submission of tender to be mentioned on the top of the Envelop. Details of tenderers also to be mentioned on bottom of the Envelop alongwith their contact No.
		Tenders shall be submitted exclusively in person /Post. The tenderer can download the tender document from the University website <a href="www.smvdu.ac.in">www.smvdu.ac.in</a> The tenderers who are desirous of participating shall submit their technical bids, price bids as per the standard formats  Annexure-11
		and <b>Annexure-12</b> available in the Tender document.
		The tenderer should submit the following documents to the Office of Registrar SMVDU, SMVDU Campus, Sub Post Office-182320, Katra, J&K. A DD/Pay order drawn in favor of "Registrar SMVDU",
		for the amount Rs 500/- towards
		Tender fee (Application fee).
		A CDR/FDR drawn in favor of "Registrar, SMVDU"
		For an amount of <b>Rs.14,000/-</b> (EMD fee) (Enclose in separate cover)
		Technical Bid (Annexure-11) along with supporting documents.
		Commercial Bid (Annexure-12)
		All the <b>supporting documents</b> as mentioned in the eligibility criteria (all the points).
		Documents in support of Technical Specifications along with make
		and models of all the items as per the list mentioned in <b>Annexure–05</b>
		duly mentioning the make.
		Supporting documents of standard certifications.
		Annexure–02 of tender document duly signed with office
		seal as a token of acceptance of our standard terms and conditions.
		Latest income tax clearance certificate.
		List of customers, to whom the bidder had supplied identical
		materials in the past along with P.O details and performance
		report.
		Annexure-08 of bidding document.
		The Registrar, SMVDU Katra, will not hold any
		risk and responsibility for non-visibility of the scanned document or the loss in transit.
25.	General Terms and	As per tender documents.
	Conditions	r
I		<b>.</b>

# **Contents of the Tender Document**

1.	Schedule of Quantity	Annexure – 01
2.	Eligibility Criteria & Special Terms and conditions	Annexure – 02
3.	List of Documents to be enclosed	Annexure – 03
4.	List of Addresses	Annexure – 04
5.	Technical Specifications	Annexure – 05
6.	Instructions to Bidders	Annexure – 06
7.	General Purchase Conditions	Annexure – 07
8.	Statement of Deviations	Annexure – 08
9.	Guidelines for Submission of Bank Guarantee	Annexure – 09
10.	Proforma for Performance Bank Guarantee	Annexure – 10
11.	Technical Bid Form	Annexure – 11
12.	Commercial Bid form	Annexure - 12

## Annexure – 01

# Schedule of Quantity Supply, Installation and Commissioning of IP Camera based surveillance system in Central Library, SMVD University.

S.No	Item with Description	Qty
1	IP Surveillance Network Camera	
2	NVR	
3	Network Switch 10-Port 10/100/1000Mbps with PoE	03 Nos.
4	Patch Panel CAT 6 UTP Keystone type	03 Nos.
5	Premium Patch Cords – CAT 6 UTP 1M	30 Nos.
6	Premium Patch Cords – CAT 6 UTP 3M 24AWG	20 Nos.
7	Jack CAT 6 Keystone UTP - White+ Face Plate - Single (Keystone Jack, square) + Back Box For Single, Dual (Cat 5e/Cat6/Cat6A, square)	20 Nos.
8	CAT 6 LAN Cable 23AWG- 305M	As per Actual
9	Modular Plug (RJ45 Connector)	01 Box. Of 100 Pieces
10	Hard disk for NAS 2 TB (15 Days Recording Capability)	05 Nos.
11	Network Rack 6U with standard accessories	03 Nos.
12	LED TV/Monitor 40 Inch	01 Nos.

#### Annexure – 02

#### ELIGIBILITY CRITERIA AND SPECIAL TERMS AND CONDITIONS

#### A. ELIGIBILITY CRITERIA FOR TENDERS:

- 1. The Company / the tenderer should be in existence for the last 5 Years.
- 2. The Company/ the tenderer should have earlier supplied at least ONE or TWO TIMES the quantities of the items being in the current tender in any of the last two financial years to the Universities or Research organizations or Institutes of repute or Industry.
- 3. The Company or tenderer should have at least one Service Center in North India.
- 4. The tenderer should be a Manufacturer or the authorized representative of equipment or other respective products/items.
- 5. The tenderer / tenderer's group should have a turnover of more than 05 times the Bid value of the tenderer in each of the last two financial years.

#### **B. SPECIAL TERMS AND CONDITIONS:**

- 1. **Delivery Period**: The delivery should be made within 30 days from the date of issuance of purchase order to the tenderer/supplier.
- 2. **Warranty:** All items supplied by the tenderer shall be guaranteed against any defects for a minimum period of one year, for satisfactory performance, workmanship and for the quality and equipment supplied by the firm from the date of completion of successful supply and opeartionalisation. The tenderer shall be liable to rectify any defects that may be found in the equipment supplied free of cost during the period of Guarantee. Necessary guarantee certificates shall accompany the supplies
- 3. On Site Comprehensive Warranty: The tenderer should also provide time-to-time operational maintenance support for a period of 3 years (On Site comprehensive Warranty). The said warranty should cover all Hardware products & Software. The warranty and service shall be provided directly from the manufacturer. The supplied products shall reflect with product codes/part number for three year warranty on their website/or on the call centers.
- 4. **Installation**: The installation should be done at the **Central Library Building** as mentioned in the Annexure 04 enclosed at no extra cost.
- 5. **Response Time:** The response time of the tenderer to attend to any complaint upon receipt of the complaint/information from the user should not be more than 24 hours.

TENDERER SIGNATURE & SEAL

#### Annexure – 03

#### **Documents to be enclosed**

# The following documents should be submitted along with the bidding form otherwise the bidders are liable to be disqualified.

1. All the Supporting documents in respect of Eligibility Criteria. i.e

Registration/Incorporation Certificate in support of the existence of the company for required number of years as per the tender schedule eligibility criteria.

Copies of Purchase Orders in support of the supply of required quantities of items in any of the last two financial years as per the tender schedule eligibility criteria.

List mentioning the addresses and contact persons with phone numbers of the Service Centers present through out North India.

Supporting Documents indicating that the tenderer is the Manufacturer or the OEM Authorized representative of the corresponding items/products.

Audited financial statements that are Balance Sheet, Income & Expenditure and Profit & Loss accounts in support of having required turnover in each of the last two financial years.

- 2. Annexure 02 duly signed & office Seal affixed as a token of acceptance of Special Terms and Conditions.
- 3. Documents in support of Technical Specifications for the scientific equipment as mentioned in Annexure 05 clearly mentioning the make and model.
- 4. Supporting Documents if any for equipment.
- 5. The latest Income Tax Clearance Certificate, along with PAN Number and TIN Number.
- 6. The list of customers, to whom the bidder had supplied identical materials in the past along with P.O. details and performance report, if any.
- 7. Annexure -08

#### Note:

- 1. The Registrar, SMVDU will not hold any risk and responsibility for non visibility of the scanned document or non receipt of hardcopies or loss in transit.
- 2. The Documents that are received in time will only be considered for Technical Bid Evaluation.
- 3. The tenderer will be disqualified at any stage of the tender process, if found to have misled or furnished false information in the forms/Statements/Certificates submitted in proof of 1 to 7 above.

# Address where the equipment to be installed

# **Central Library Shri Mata Vaishno Devi University**

SMVDU Campus, Sub Post Office -182320, Katra, Distt.Reasi, J&K 01991-285535, 285634, Extn.2505

Fax: 01991-285573, 285687

#### Annexure - 05

#### **TECHNICAL SPECIFICATIONS**

# **Schedule:** Items/Equipment

S.No.	Item/Equipment	Complied or not complied
1	IP Surveillance Cameras (Make: D-Link / Bosch / Sony / Digisol)	•
i).	Hardware and Certification	
	1/4" megapixel CMOS sensor	
	Real-time H.264/ MPEG-4/ MJPEG	
	Max. resolution 1280x800 at 30 fps	
	At-least Built-in 4 mm, F1.5 fixed lens	
	At-least 10M IR illumination distance	
	IR-Cut Removable filter for day/night	
	Tamper detection	
	Motion detection	
	Privacy mask and certification must have CE, CE LVD, FCC (Class	
	B), C- Tick, ERTL	
ii)	Software Features	
	Video Format: Motion JPEG (MJPEG), MPEG-4, H.264	
	Multi-Profile and AES/AGC/AWB support	
	Flip, Mirror and Motion Detection	
	Privacy Masks: 3 Zones and E-Mail Notification, FTP image upload Schedule Recording to Hard Drive and Event triggered recording	
	Pre and post alarm buffer and Direct recording to card & Direct	
	Recording to NAS and Audio Recording	
	Video Output to 3GPP and HTTPS	
	IPv4, IPv6, PPPoE, TCP/IP, HTTP, UPnP, SMTP, FTP, DHCP,	
	NTP, DNS, DDNS, ICMP, CoS/QoS, SNMP, IGMP, 802.1x, Samba	
	client	
	UPnP Installation and DDNS Support	
	Enable/Disable LED Indicators DI/DO: 1/1	

iii)	Power: Power Over Ethernet	
iv)	Service contract for 3 years	
v)	Training on instrument to our persons (on site)	
vi)	Quote price FOR SMVDU. Instruments clearance Certificate (DSIR) will be provided by SMVD University.	
vii)	Warranty period ( in Years)	
viii)	Additional information / concessions	

S.No.	Item/Equipment	Complied or not complied
2.	NVR (Make: D-Link / Bosch / Sony/ Digisol)	
i)	Networking Network Port Interface 2*GbE and 802.3ad Link Aggregation Dynamic Host Configuration Protocol (DHCP) Client & Dynamic Domain Name Service (DDNS) and Internet Small Computer System Interface (iSCSI) & Virtual Disk Drive (iSCSI Initiator) and Logical Unit Number (LUN) Mapping & Masking Multipath I/O (MPIO) and MC/S and SCSI Primary Commands - 3 (SPC-3) Persistent Reservation and Thin Provisioning and HyperText Transfer Protocol (HTTP) HyperText Transfer Protocol Secure (HTTPS) and Internet Protocol Version 6 (IPv6) Jumbo Frame AND Server Message Block (SMB) Common Internet file System (CIFS) and Network File System (NFS) Apple Filing Protocol (AFP) and Link Layer Topology Discovery (LLTD) Plug and Play Extensions (PnP-X) Support for storing Data from 20 IP Cameras	
ii)	USB Support USB Standard: USB 2.0 No. of USB Ports: 2 External Storage Uninterruptible Power Supply (UPS) Monitoring Print Server	
iii)	Hard Drive Type  No. of Bays: Atleast 05  Size: 3.5"  Type: SATA  Max. Capacity / Per Disk: 2TB	
iv)	Disk Management Standard ,JBOD, RAID 0,RAID 1,RAID 5 RAID 5 + Hot Spare , RAID 6, Raid 6 + Hot Spare, RAID 10, RAID 10 + Hot Spare RAID Migration, RAID Roaming, Disk Roaming, Auto Rebuilding Volume Expansion, Hot-Swappable, Format Hard Disk Drive, Scandisk S.M.A.R.T. Hard Disk Health Scanning	
v)	Account Management User Account Management, Group Account Management, User/Group Quota Management, Network Share Management, ISO Mount Management Windows Active Directory Service Support for Windows Server 2003/2008	
vi)	Backup Management Schedule Backup from PC to NAS, Schedule Local Backup, Schedule Remote Backup Cloud Storage Backup, Third-Party Backup Software, USB Backup	
vii)	Device Management Web-based Management, Storage Utility, Email Notifications, System Log / FTP Log, Simple Network Management Protocol (SNMP), Resource Monitor	

viii)	Service contract for 3 years	
ix)	Training on instrument to our persons (on site)	
x)	Quote price FOR SMVDU. Instruments clearance Certificate (DSIR) will be provided by SMVD University.	
xi)	Warranty period ( in Years)	
xii)	Additional information / concessions	

).	Item/Equipment		Complied or not complied
	Network Switch (Ma	ke: D-Link / Sony / Digisol / Bosch)	not complied
	Features	Description	
			_
	Model	1000BASE-T POE : 8	
		1000BASE-T/SFP Combo : 2	
	Switch Category	Gigabit Web Smart Switches	-
		Switching Capacity : 20 Gbps	1
		Max. Packet Forwarding Rate : 14.88 Mpps	1
	Performance	MAC Address Table : 8K	1
		Static MAC Entries : 256 entries	1
		Fanless	1
		Power Supply : Internal AC Power Supply	1
	Physical Features	Power Over Ethernet (PoE) : Power Budget: 70-	1
		75W	
		Time-based PoE	1
		Spanning Tree (STP) 802.1d	1
		Rapid Spanning Tree (RSTP) 802.1w	1
		Loopback Detection	1
		Static Port Trunking: Up to 8 groups / Max. 8 ports	1
	Laver 2 Feetures	per group	
	Layer 2 Features	Link Aggregation LACP 802.3ad : Up to 8 groups /	
		Max. 8 ports per group	
		Port Mirroring : One-to-One / Many-to-One	
		Jumbo Frame : 10,240 Bytes	
		CPU Interface Filtering	
	Layer 2 Multicast	Internet Group Management Protocol (IGMP)	
	Features	Snooping: v1 / v2	
		IGMP Snooping Groups : 256	
		Tagged VLAN 802.1Q : 256 Static VLANs	
	Virtual LAN (VLAN)	Voice VLAN	4
	Features	Auto surveillance VLAN	4
		Asymmetric VLAN	4
		No. of Queues : At-least 4 Queues	4
		Traffic Prioritization 802.1p	4
		Strict Priority	4
	Quality of Service	Weighted Round Robin (WRR)	4
	(QoS) Features	CoS based on Switch Port	4
		CoS based on 802.1p Priority	_
		CoS based on Differentiated Services Code Point (DSCP)	
		Bandwidth Control	1
	Access Control List	Access Control List	1
	(ACL) Features	Max. ACL Profiles / Rules : 50 / 240	1
	(ACL) realules	Secure Sockets Layer (SSL): v1 / v2 / v3	1
		Port Security: Max. 64 MAC Addresses per Port	-
	Security Features	Broadcast/Multicast/Unicast Storm Control	1

		- <del>-</del>	
		ARP Spoofing Prevention In case of ARP Broadcast	
		Storm, Virus Attacks switch should have ability to	
		protect Control and Management Plane.	
		Switch should be able to identify unwanted traffic	
		to CPU , prioritized and throttled from interrupting	
••\		the smooth operation of the switch.	
xii).	Authentication,		
	Authorization &	802.1X Access Control	
	Accounting (AAA)		
	Management	Web-Based GUI, Telnet Server, TFTP Client, SNMP	
xiii)	Features	v1/v2c ,SNMP Trap, System Log capability, BOOTP	
ĺ	reatures	/ DHCP Client, Cable Error diagnostics	
xiv)	Certifications	FCC Class A,CE Class A,IC Class A,VCCI Class A,C-	
Aiv	Certifications	Tick	
xv)	Service contract for	2 voors	
XV)	Service contract for	5 years	
i)	Tasining on instance	ant to ave narrang (an sita)	
xvi)	Training on instrument to our persons (on site)		
•••	O t TOD		
xvii)	- 1	SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.		
••••			
xviii)	Warranty period ( in	1 Years)	
xix)	Additional informat	tion / concessions	

S.No.	Item/Equipment	Complied or not complied
4	Patch Panel CAT 6 UTP Keystone Type (Make: D-Link / Digisol / Bosch / Sony)	Compiled
i).	Features Steel Body, in 24 port configurations. Allow for a minimum of 200 re-terminations without signal degradation below standards compliance limit. Port identification numbers be available with Labels IDC: Suitable for 22-26 AWG stranded and solid wire compatible with both 110 & Krone punch down tools  Each Port / jack should be individually removable on field from the panel.  CAT 6 transmission performance in compliance with	
ii).	ANSI/TIA/EIA 568C.2 standard  Mechanical Characteristics Plastic Housing: ABS , UL94V-0 rated	
iii).	Jack Connector Operating Life: Minimum 500 insertion cycles Contact Material: Copper Alloy Contact Plating: 50µ" Gold plated on plug contact area Contact Force: 20N max (IEC 60603-7-4) Plug Retention Force: 15 lb.	
iv)	IDC Connector IDC cap: ABS, UL 94V -0 Contact Material: Copper Alloy IDC Contact Plating: Phosphor bronze with tin plated Should accommodate 22-26 AWG solid Wire Service contract for 3 years	
vi)	Training on instrument to our persons (on site)	
vii)	Quote price FOR SMVDU. Instruments clearance Certificate (DSIR) will be provided by SMVD University.	
viii)	Warranty period ( in Years)	
ix)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
5	Premium Patch Cords CAT 6 UTP 1M (Make: D-Link /	
	Digisol / Bosch / Sony)	
i)	Performance	
	25 Year Performance Warranty from OEM	
ii)	Conductor:	
	24 AWG, Multi-strands	
iii)	Conductor Metal: Bare Copper	
iv)	Insulation Material: High Density Polyethylene	
v)	Material: PVC UL94V-0	
vii)	<b>Heat Resistance:</b> 60 °C minimum (Temperature limited)	
viii)	Flame Property: VW-1 (UL) and FT 1 (CSA)	
ix)	<b>Standard</b> TIA/EIA-568-C.2 standard.	
x)	Application	
	10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T,	
	10GBASE-T(IEEE802.3)	
	100VG-AnyLAN (IEEE802.12)	
	550MHz Broadband Video	
	Voice, T1, ISDN	
	155/622 Mbps ATM	
	Power over Ethernet (PoE)	
xi)	Service contract for 3 years	
xii)	Training on instrument to our persons (on site)	
xiii)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
xiv)	Warranty period (in Years)	
xv)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
6	Premium Patch Cords CAT 6 UTP 3M (Make: D-Link /	
	Digisol / Bosch / Sony)	
i)	Performance	
	25 Year Performance Warranty from OEM	
ii)	Conductor:	
	24 AWG, Multi-strands	
iii)	Conductor Metal: Bare Copper	
iv)	Insulation Material: High Density Polyethylene	
v)	Material: PVC UL94V-0	
vi)	<b>Heat Resistance:</b> 60 °C minimum (Temperature limited)	
vii)	Flame Property: VW-1 (UL) and FT 1 (CSA)	
viii)	Standard TIA/EIA-568-C.2 standard.	
ix)	Application	
	10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T,	
	10GBASE-T(IEEE802.3)	
	100VG-AnyLAN (IEEE802.12)	
	550MHz Broadband Video	
	Voice, T1, ISDN	
	155/622 Mbps ATM	
	Power over Ethernet (PoE)	
x)	Service contract for 3 years	
xi)	Training on instrument to our persons (on site)	
xii)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
xiii)	Warranty period ( in Years)	
xiv)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
7	Jack CAT 6 Keystone UTP	
• \		
i)	White +Face Plate – Single (keystone Jack, Square) + Back Box	
	For Single, Dual (Cat 5e/Cat6/Cat6/Cat6A, Square)	
ii)	Service contract for 3 years	
iii)	Training on instrument to our persons (on site)	
iv)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
v)	Warranty period (in Years)	
vi)	Additional information / concessions	

S.No.	Item/Equipmen	Complied or			
		not complied			
8	CAT 6 LAN Cable				
i)	Features	Category 6 Unshielded Twisted Pair 4 pair 100W cable should be compliant with ANSI/TIA/EIA-568-C.2 and should be ULO Listed Additional Transmission Performance Specifications for 4-pair 100W Category 6Cabling.			
	Mechanical Characteristics	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.			
;;)		Conductor Solid bare Copper			
ii)		Conductor Diameter 0.56±0.005mm (23 AWG)			
		Insulation :High Density Polyethylene			
		Jacket FR PVC			
		Outer Diameter 6.1 mm nominal			
		Temperature Range -20° to +70°C			
iii)	Service contract for				
iv)	Training on instrument to our persons (on site)				
v)	Quote price FOR SMVDU. Instruments clearance Certificate (DSIR) will be provided by SMVD University.				
vi)	Warranty period ( in Years)				
vii)	Additional informa				

S.No.	Item/Equipment	Complied or
		not complied
9	Modular Plug (RJ45 Connector)	
i)	Service contract for 3 years	
ii)	Training on instrument to our persons (on site)	
iii)	Quote price FOR SMVDU. Instruments clearance Certificate (DSIR) will be	
	provided by SMVD University.	
iv)	Warranty period (in Years)	
v)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
10	Hard Disk for NAS 2 TB (15 days Recording capacity)	
i)	Service contract for 3 years	
ii)	Training on instrument to our persons (on site)	
iii)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
iv)	Warranty period (in Years)	
v)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
11	Network Rack 6U with standard accessories	
i)	Service contract for 3 years	
ii)	Training on instrument to our persons (on site)	
iii)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
iv)	Warranty period (in Years)	
v)	Additional information / concessions	

S.No.	Item/Equipment	Complied or
		not complied
12	LED TV/Monitor (40 Inches) (Make: Sony / Philips /Samsung /	
	LG)	
i)	Technical Specifications	
	Screen Size: 40 inches	
	Resolution: 1920 x 1080	
	Wide Color Enhancer	
	ECO features	
	Clear Motion Rate: 100Hz	
	Audio: Dolby Digital plus	
	Sound Output: 10 watts x 2 (Atleast) with Audio volume Leveler	
	Connectivity: HDMI(02), USB (02), Headphone(01), Component	
	In (Y/Pb/Pr) (01), Composite In (AV) (01), Digital Audio Out(01),	
	RF In (Cable/ Terrestrial In) (01), DVD Audio In (Mini Jack 01),	
	Ethernet LAN Connectivity In (01), HD 15 PC Connection	
	Power Supply (AC 100-240V, 50Hz)	
	Auto power Off, Clock ON/Off Timer,	
	Picture-in-Picture Facility	
	All Standard accessories (Remotr with batteries, Power Cable,	
	HDMI Cable, User Manual	
	Conductor Solid bare Copper	
	Conductor Diameter 0.56±0.005mm (23 AWG)	
	Insulation :High Density Polyethylene	
	Jacket FR PVC	
	Outer Diameter 6.1 mm nominal	
	Temperature Range -20° to +70°C	
ii)	Service contract for 3 years	
iii)	Training on instrument to our persons (on site)	
iv)	Quote price FOR SMVDU. Instruments clearance Certificate	
	(DSIR) will be provided by SMVD University.	
v)	Warranty period (in Years)	
vi)	Additional information / concessions	

#### 'Instructions to Bidders'

Due date of submission of bids: 31 December 2013

Due date of opening of Technical: Will be intimated later

Due date of opening of Price Bids: Will be intimated later

The instructions given below must be read very carefully, as failure in compliance with any of these may render the offer liable for rejection. If a bidder has any doubt about the meaning of any stipulation herein, General Purchase Condition, specification of materials or any other enclosed document, he should immediately obtain the clarification/information in writing from the office of Registrar, SMVDU.

#### 1. Earnest Money Deposit (EMD)

1.1. Offers must accompany EMD by way of CDR / FDR, drawn in favor of "Registrar, SMVDU" payable at any of the scheduled bank branches situated in Jammu. Submission of EMD in any other form shall not be considered and treated as disqualification. The CDR/FDR should be kept separately in a sealed cover duly superscribing 'EMD'.

#### 1.2. The EMD shall be forfeited, if

- i) Bidder withdraws the bid before expiry of its validity.
- ii) Successful bidder does not accept the order or fails to enter into a contract within validity period of offer.
- 1.3. The EMD of unsuccessful bidders shall be returned as soon as the tenders are finalized.
- 2. Acceptance of University Payment Terms The standard payment terms shall be: 100% of all inclusive price of the materials will be paid on receipt and acceptance of the material in good condition, installation and commissioning of the equipment supplied at site and after furnishing of Bank Guarantee for 10% of the contract covering the guarantee period subject to penal provisions applicable in case of delay in supply and commissioning.

#### 3 **Price Basis**

The prices quoted shall be on FOR destination basis as per annexure-04, and also shall include:

- (a) Transit Insurance:
- (b) All Taxes, Duties and Levies.

#### 4. Cost Compensation for Deviation:

Deviations specifically declared by the bidders in respective Deviation Schedules of Bid Proposal Sheets only will be taken into account for the purpose of evaluation. The bidders are required to declare the prices for the withdrawal of the deviations declared by them in the Deviation Schedules.

Offers should strictly be in conformity with specifications/ drawings/ samples as stipulated in the enquiry. In case no deviations are indicated, it shall be taken for

granted that item (s) has/ have been offered strictly as per the requirements given in the enquiry.

#### 5.0 **Delivery**

#### **5.1** Delivery Schedule

The Supply, Installation, and Commissioning of the material: The bidder shall offer his best, realistic and firm delivery, which shall be specific and guaranteed. Delivery period shall be reckoned from the date of P.O. which is the first intimation of acceptance of bidder's offer. Final date of delivery shall be evidenced by date of dispatch of materials as per transporter's Lorry Receipt/ Goods Receipt/ RR/ PWB/ AWB. For delivery beyond contractual delivery period, provisions of 'General Purchase Conditions' shall apply.

#### 5.2. Early Delivery:

It shall be noted that if an order is placed on higher bidder, in preference to lowest acceptable offer, in consideration of an earlier delivery, the bidder shall be liable to the University, the difference between the ordered rate (s) and the rate (s) quoted by the lowest acceptable bid in case the tenderer fails to complete the supply in terms of such order within the date (s) of delivery specified in the tender and incorporated in the order. This is without prejudice to other rights of the University under terms of order.

- 6. It is not binding on University to accept the lowest or any bid. The University reserves the right to place orders for individual items with different bidders and to revise the quantities at the time of placing the order and in such event also, the quoted rates, terms and conditions shall apply. The order for the materials may also be split up between different bidders to facilitate quick delivery of critically required materials. University further reserves the right to accept or reject any/ all bids without assigning any reason thereof. Final decision on bids also depends on the components/accessories/additional features offered
- 7. The University at its sole discretion unilaterally may change the quantities to the extent of 30% as indicated in tender enquiry. The successful bidder shall be bound to supply these quantities at the same rate and on the same terms and conditions.
- 8. Tenderers shall fill in the enclosed proforma with regard to deviations / variations (Annexure-08) and submit the same along with their offer.
- 9. Orders placed against this tender enquiry shall be subject to 'General Purchase Conditions' of University, a copy of which is enclosed. Bidders are requested to confirm acceptance of these conditions in to in their offer.
- 10. Make/Brand of items offered shall be specified failing which offers are liable to be rejected. It shall be appreciated if one copy of detailed descriptive literature / pamphlets is enclosed along with the offer which may help technical evaluation. In case material offered is ISI marked/tested at any Govt. recognized test house; copies of relevant certificates shall be furnished along with the offer.

#### GENERAL PURCHASE CONDITIONS

#### SECTION- I GENERAL

1.1 The following terms and expressions used herein shall have the meaning as indicated therein: Supplier / Vendors: shall mean the individual firm or company whether incorporated or otherwise in whose name the purchase order is addressed and shall include its permitted assignees and successors. Purchaser: shall mean Shri Mata Vaishno Devi University.

#### 1.2. Reference:

The purchase order number must appear on all the correspondence, packing slips, invoices, drawings or any other document or paper connected with the purchase order.

#### 1.3. Waiver:

Any waiver by the purchaser of the terms and conditions of the purchase order shall not constitute any right for subsequent waiver of any other terms or conditions.

#### 1.4 **Sub-letting and Assignment**:

The supplier shall not, save with prior consent in writing of the University, sublet, transfer or assign this order or any part thereof or interest therein or benefit or advantage thereof in any manner, whatsoever provided nevertheless that any such consent shall not relieve the supplier from any obligation, duty or responsibilities under the contract.

#### 1.5. Information Provided by the University:

All drawings, data and documentation that are given to the supplier by the University for Execution of the order are the property of the University and shall be returned when demanded. Except for the purpose of executing the order of the University, the supplier shall ensure that the above documents are not used for any other purpose. The supplier shall further ensure that the information given by the University is not disclosed to any person, firm, body, corporate and/or authority and make every effort to keep the above information strictly confidential. All such information shall remain the absolute property of the University.

#### 1.6. Supplier's Liability:

Supplier hereby accepts full responsibility and indemnifies the University and shall hold the University harmless from all acts of omission and commission on the part of the supplier, his agents, his subcontractors and employees in execution of the purchase order. The supplier also agrees to defend and hereby undertakes to indemnify the University and also hold it harmless from any and all claims for injury to or death of any and all persons including but not limited to his/her employees and for damage to the property arising out of or in connection with the performance of the work under the purchase order.

#### 1.7. Access to supplier's Premises:

The University and / or its authorized representative shall be provided access to the supplier's and / or his sub-contractor's premises, at any time during the pendency of the purchase order, for expediting the supplies, inspection, checking etc.

#### 1.8. Modifications

The purchase order constitutes an entire agreement between the parties hereto. Any modification to this order shall become binding only upon the same being confirmed in writing duly signed by both the parties.

#### 1.9 Inspection/checking/testing

All materials/ equipment to be supplied against this purchase order shall be subject to inspection/ checking/ testing by the University or its authorized representative at all stages and places, before, during and after the manufacture. All these tests shall be carried out in the presence of authorized representative of the University. Supplier shall notify the University for inspection of materials/ equipment when they are ready, giving atleast 10 days notice. If upon receipt at our Stores, the material/equipment does not meet the specifications, they shall be rejected and returned to the supplier for repair/modification etc. or for replacement. In such cases all expenses including to- and-fro freight, re-packing charges, transit insurance etc shall be to the account of supplier.

Inspection by the authorized representative of the University or failure of the University to inspect the material/equipment shall not relieve the supplier of any responsibility or liability under this purchase order in respect of such material/ equipment and it shall not be interpreted in anyway to imply acceptance thereof by the University. Whenever specifically asked for by the University, the supplier shall arrange for inspection/testing by Institutional Agencies such as Lloyds Register of Industrial Services, Boiler Inspectorate, RITES. In such cases supplier shall adhere to the inspection/ testing procedures laid down by such agencies. All expenses in this regard including inspection fees shall be to the suppliers account unless agreed to the contrary and specified in the purchase order.

After completion of supplies bill shall be submitted in triplicate along with stamped prereceipt, Guarantee certificate, Literature, Instruction, operation and maintenance manual (if any) and Test Certificates (if applicable) Samples should be got approved before supply. DELIVERY SCHEDULE SHOULD BE STRICTLY ADHERED TO, OTHERWISE PENALTY AS STATED ABOVE WILL BE IMPOSED. The invoices/ bill not accompanying the above documents shall be withheld from payments for which SMVDU shall not be responsible.

#### 1.10 Packing and Marking:

All materials/equipment shall be securely packed to the requirements of transportation by Air/Rail/ Road/ Sea. All exposed services/ connections/, protrusions shall be properly protected. All unexposed part shall be packed with due care and the packages should bear the words' handle with care'. The packing requirements of Air/Rail/ Road transport shall be complied with so as to obtain clear Airway/Railway Receipt/ Lorry Receipt i.e. without any qualifying remarks.

All packages and unpacked materials shall be marked with the name of Consignor, Consignee, Purchase order No., gross and Net weight, sign of handling, if any, with indelible paint in English atleast at two places. In case of bundles, metallic plates marked with the above details shall be tagged to such bundles.

#### 1.11 **Despatch of Materials**:

The supplier is responsible for the safe delivery of the goods in good condition at destination stores. The supplier should acquaint himself of the conditions relating to handling and transport of the goods to destination and shall include and provide for security and protective packing of the goods so as to avoid damage in transit.

#### 1.12 Validity of offers:

The offers shall be valid for a **period of 60/120 days** (**Depending on the type of equipment**) from the date of opening of bids. The period of validity cannot be counted from any other date other than the date of opening the bids. During this period the tenderer shall not be permitted to withdraw or vary his offer made and if the tenderer does so, the EMD shall be forfeited.

#### 1.13 Penalty for Delay

In a situation when the delivery of equipments / items ordered above is delayed, SMVDU reserves the right to impose penalty @ 1% of the Purchase Order amount per week subject to a maximum of 5% of the value of the order. No surcharge / insurance of any kind shall be paid by SMVDU.

#### 1.14 Exemption

SMVDU is exempted to pay Excise Duty; the Excise component should be shown separately for which Exemption Certificate would be provided. The University is also exempted from payment of entry tax or octroi under provisions of SRO- 129, for which necessary certificates shall be provided.

#### 1.15 Foreign

For custom clearance of foreign goods, our clearing agency; M/s Airport Handling Services, 302-303, Skyline house, 85, Nehru Place, New Delhi will be handling the consignment

#### **1.16 JURISDICTIONS FOR DISPUTES:**

All disputes arising out of or any way connected therewith shall be deemed to have arisen out of or any way connected therewith shall be deemed to have arisen in Jammu and only the courts in Jammu District shall have jurisdiction to determine the same.

#### **1.17** Settlement of Disputes:

In the event of disputes, the settlement shall be through Arbitration. The arbitrator shall be appointed by the Hon'ble Vice-Chancellor, SMVDU and the decision of the Arbitrator shall be final & binding on both the parties. The arbitration shall be conducted under the provisions of J&K Arbitration & Conciliation Act, 1997.

1.18 Sealed Tenders in the prescribed Tender Form addressed to the Registrar, SMVD University Sub Post Office SMVDU Campus Kakryal -182320, Katra (J&K) in a sealed envelope and super scribed with "Tender for Supply, Installation, Testing & Commissioning of IP Based Camera Surveillance System for Central Library at SMVD University" shall be submitted in his office on or before 31 December 2013 by 1600 hrs. Tenders received late shall not be entertained. The Tender so received shall be opened on the day as decided by the committee members formed for the purpose, in

presence of the Tenderers who wish to be present for which they have to apply separately.

- 1.19 All the above conditions of N.I.T. shall form the conditions of the contract also.
- **1.20** The telephone numbers of SMVD University Campus, Sub Post Office SMVDU Campus Kakryal -182320, Katra (J&K) are given hereunder: -

For Technical enquiry : 01991- 285634, (Ext 2741), 285729 (telefax)

For Other enquiry : 01991-285686 (Ext 2108)

For and on behalf of

Shri Mata Vaishno Devi University (SMVDU)

Registrar, SMVD University

#### SECTION - II

#### FINANCIAL

#### **2.1. Prices:**

Prices quoted shall be inclusive of all taxes and firm till completion of the programme.

#### 2.2. Terms of Payment:

- 2.2.1. Payments by the purchaser shall be made through Account Payee cheques only. Bank charges if any shall be borne by the supplier.
- 2.2.2. If the supplier has received any overpayments by mistake or if any amounts are due to the University from the supplier due to any other reasons and when it is not possible to recover such amount under the present purchase order, the University reserves the right to collect the same from any other amounts and/ or Bank Guarantee given by the supplier due to or with the University.

#### 2.3 Liquidated Damages/ Failure and Termination:

- 2.3.1 In the event of any delay in the supply of material beyond the stipulated date of completion including any extension permitted in writing, the University reserves the right to recover from the supplier a sum equivalent to 0.5% of the value of delayed materials/equipment for each week of delay and part thereof subject to a maximum of 5% of the total value of the order.
- 2.3.2 Alternatively, the University reserves the right to give the contract elsewhere at the sole risk and cost of the supplier and recover all such extra cost incurred by the University in procuring the materials from the other source.
- 2.3.3 Alternatively University may cancel the Purchase Order completely or partly without prejudice to its right under the alternatives mentioned above.
- 2.3.4 In case of recourse to alternative 2.4.2 and 2.4.3. above, the University shall have the right to repurchase the materials which is readily available in the market to meet the urgency requirements caused by supplier's failure to comply with the scheduled delivery period irrespective of the fact whether the material/equipment is similar or not.

#### 2.4 **Delivery Schedule:**

Time is essence of this order and no delay shall be allowed in the delivery time/delivery schedule mentioned in the purchase order.

#### 2.5 **Performance Bank Guarantee:**

The supplier shall ensure that all materials/equipment under this purchase order shall conform to University's requirements and specifications. An additional security in the form of Performance Bank Guarantee is essential for satisfactory performance of the equipment over a period of time. In view of this, the supplier

shall be required to furnish a Bank Guarantee (10% of order value) as follows against any manufacturing defects/ poor workmanship/poor performance. In case any deficiencies are found during this period, the same shall be repaired/rectified/replaced free of cost. BG shall be from any Scheduled Bank or any other bank as approved by University from time to time in the prescribed Performa.

a. Bank Guarantee for 10% of the order value with validity up to warranty period from the date of installation of equipment.

The University shall at its discretion have recourse to the said bank guarantee for recovery of any or all amount due from, the supplier in connection with the purchase order including of guarantee obligations. Checking/approval of supplier's drawings, inspection and acceptance of materials/equipment furnishing to effect shipment and/or work done by erection, installation and commissioning of the equipment by University or any other agency on behalf of the University shall not in way relieve the supplier from the responsibility for proper performance during the guarantee period.

#### 2.6 **Insurance:**

Supplier shall arrange suitable insurance cover at his risk and cost.

#### 2.7 Removal of rejected goods and Replacement:

- a) If upon delivery, the material/equipment is found not in conformity with the specifications stipulated in the purchase order, whether inspected and approved earlier or otherwise, such material / equipment will be rejected by the University or his authorized representative. A notice to this effect shall be issued to the supplier, normally within 30 days from the date of receipt of materials at our Stores.
- b) Supplier shall arrange suitable replacement supplies and remove the rejected goods within 30 days from the date of notice failing which, the goods shall be dispatched to vendor by road transport on 'freight to pay basis' at supplier's risk and cost.
- c) External damages or shortages that are prima-facie as a result of rough handling in transit or due to defective packing shall be intimated to the supplier within a period of one month of the receipt of the materials, spares etc. In case of internal defects, damages or shortages of any internal parts, which cannot ordinarily be detected on a superficial visual examination, due to bad handling in transit or defective packing, or any other reason, it should be intimated to the supplier within 3 months from the date of receipt of the material. In either case the damaged or defective materials should be replaced by the supplier free of cost.
- d) If no steps are taken within 15 days of receipt of intimation of defects or such other reasonable time as the University may deem proper to afford, the University may without prejudice to its other rights and remedies arrange for repairs/rectification of the defective materials or replace them entirely and recover the expenditure incurred on account of these actions from the deposits such as EMD, SD and performance guarantees or other monies available with the University or by resorting to legal action.

#### 2.8 Force Majeure:

- 2.8.1 The supplier shall not be liable for delay or failing to supply the material for reasons of Force Majeure such as Act of God, Act of War, Act of Public Enemy, Natural calamities, Fires, Floods, Frost, Strikes. Lockouts etc. Only those causes which have duration of more than 7 days shall be considered for force majeure.
- 2.8.2 The supplier shall within 10 days from the beginning of such delay notify the University in writing the cause of delay. The University shall verify the facts and grant such extension of time as facts justify.
- 2.8.3 No price variation shall be allowed during the period of force majeure and liquidated damages would not be levied for this period.
- 2.8.4 At the option of University, the order may be cancelled. Such cancellation, would be without any liability whatsoever on the part of the University. In the event of such cancellation, supplier shall refund any amount advanced or paid to him by the University and deliver back any materials issued to him by the University and release facilities, if any provided by the University.

## **DEVIATIONS**

## **Bidder's Name and Address**

To
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Registrar , Shri Mata Vaishno Devi University SMVDU Campus Sub Post office-182320, Katra Jammu & Kashmir

Dear Sirs,	
Sub:- Supply ofNo	against enquiry dated
exception to specifications and tender do against enquiry Noever has been stated to the contrary and variations are exhaustive. Except for these as per specifications and tender documents.	the only deviations and variations from any cuments for the above mentioned subject supplies which are irrespective of what-so-ywhere else of our offer. These deviations and e deviations, the entire supplies shall be executed its. Further, we agree those additional conditions, e stated below, save that pertaining to any rebates
SL.No. Description of Deviation Ref.	of page, Clause *Monetary Implications of the conditions of bid documents in case of withdrawal Rs. (in figures) Rs. (in words)
money, if any, which he would, charge of	ere the tenderer should indicate the amount of extra (i.e. in addition to the rates quoted by him) ons and accepting the condition as stipulated in of the same size and format if necessary).
Signature:	
Designation:	

#### **Guide-lines for Submission of Bank Guarantee towards Performance Security**

The Bank Guarantee shall fulfill the following conditions failing which it shall not be considered valid:

- 1. Bank Guarantee shall be executed on non-judicial stamp paper of applicable value purchased in the name of bank.
- 2. Non-judicial stamp paper shall be used within 6 months from the date of purchase. Bank Guarantee executed on the stamp paper of more than 6 months old shall be treated as invalid.
- 3. The contents of the Bank Guarantee shall be as per our proforma (Annexure- 10).
- 4. The Bank Guarantee should be executed by a scheduled bank or banks viz.
- 5. The executor of Bank Guarantee (Bank Authority) should mention the Power of Attorney No. and date executed in his/her favour authorizing him/her to sign the document or produce the Photostat copy of Power of Attorney.
- 6. All conditions, corrections, deletion in the Bank Guarantee should be authenticated by signature of Bank Officials signing the Bank Guarantee.
- 7. Each page of Bank Guarantee shall bear signature and seal of the Bank.
- 8. Two persons should sign as witnesses mentioning their full name and address.

Registrar SMVDU

# BANK GUARANTEE PROFORMA FOR PERFORMANCE SECURITY

This agreement has to be executed on a Non-Judicial stamped paper worth Rs.100/-

subing of	mitted to the mi	k") are book, SMVDU in the and truly assigns b	und unto Registr J Campus -18232 sum of Rs to be made to y these presentsday of	KNOW ar, Shri M 20, Katra, the said Sealed w	ALL MI  Mata Vaish  Jammu &  purchase  with the co	f (He EN by nno Dev K Kashn er, the l	or the re-in-after call these presen (Here i University, I nir. Hereinafte toank binds its	supply led "the its that einafter Kakrayl r called which self, its
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2.		issue of	tenderer fails to preliminary acce		•			•
3. 4.	When tended We undertake of its first without ref make such demand the	erer alters alke to pay written deferring to demand e purchase currence	alified for reason his prices or with to the purchaser emand without th the supplier and or the propriety r will note that th of the above m	ndraws hi the above ne purcha without or legali ne amoun	s offer dune e amount ser having questioni ty of the t claimed	ring the within or good to subout the new the	one week upon stantiate his dright of Unive I provided that due to it owing	receipt lemand, ersity to at in its g to any
	is (Rupeesremain in f your rights	orce until	thing contained in estricted  Ur his guarantee shability thereafter	nless a cla	to on aim within	nly). C	Rs Our guarantee ths from that o	e shall date, all
	Weguarantee d	uring its o	Bacurrency except w	ank Limit with the pr	ed lastly u	ındertak nsent of	e not to revoke University in	e this
	Date the	Day	2013			for _	_Bank Ltd.,	
	Signature:		Designation:	Ac	dress:		Seal:	

## **ANNEXURE-11**

# TECHNICAL BID FORM

S.No	Documents	Copy submitted or not (Yes/No)
1	The Company / the tenderer should be in existence for the last 5 Years	
	As per Annexure -02	
2	The Company/ the tenderer should have earlier supplied ONE or TWO TIMES the quantities of the items being in the current tender in any of the last two financial years to the Universities or Research organizations.	
3	The tenderer should be a Manufacturer or the authorized representative of equipment or other respective products/items	
4	The tenderer/tenderer's group should have a turnover a minimum of	
	more than 5 times the Bid value of the tenderer in each of the last two	
	financial years.	
5	Audited financial statements, that is Balance Sheet, Income &	
	Expenditure and Profit & Loss accounts in support of having required	
	turnover in each of the last two financial years.	
6	Technical Specifications of Annexure – 05 (Complied or Not-Complied report) along with supporting documents of the items bided (items no. 1 to), for the scientific equipment clearly mentioning the make and model	
7	The latest Income Tax Clearance Certificate	
8	List mentioning the addresses and contact persons with phone numbers of the Service Centers	
9	The list of customers, to whom the bidder had supplied identical	
	materials in the past along with P.O. details and performance report, if any.	
10	Annexure – 08	

#### ANNEXURE – 12

#### **COMMERCIAL BID FORM**

S.No.	Name of item / Equipment	Qty	Price in Rs / US \$ (inclusive of
5.110.	Traine of item? Equipment	Qty	Tree in Rs / OS \$ (inclusive of
			all Taxes, Freight, packing,
			Forwarding, etc.)
1.	IP Surveillance Network Camera	20 Nos.	
2.	NVR	01 Nos.	
3.	Network Switch 10-Port 10/100/1000Mbps with PoE	03 Nos.	
4.	Patch Panel CAT 6 UTP Keystone type	03 Nos.	
5.	Premium Patch Cords – CAT 6 UTP 1M	30 Nos.	
6.	Premium Patch Cords – CAT 6 UTP 3M 24AWG	20 Nos.	
7.	Jack CAT 6 Keystone UTP - White+ Face Plate - Single (Keystone Jack,square) + Back Box For Single, Dual (Cat 5e/Cat6/Cat6A,square)	20 Nos.	
8.	CAT 6 LAN Cable 23AWG- 305M	As per Actual	
9.	Modular Plug (RJ45 Connector)	01 Box. Of 100 Pieces	
10.	Hard disk for NAS 2 TB (15 Days Recording Capability)	05 Nos.	
11.	Network Rack 6U with standard accessories	03 Nos.	
12.	LED TV/Monitor 40 Inch	01 Nos.	
	Installation Charges		