

**National Gallery of Modern Art
Government of India
Jaipur House, New Delhi-110003.**

File No. F. 190001/2013/NGMA

Dated: March 6, 2014

NOTICE INVITING QUOTATIONS

The Director, National Gallery of Modern Art (NGMA), New Delhi invites quotation for supply installation, testing and commissioning of 16 Infra-red colour cameras and DVR at NGMA, New Delhi as per specifications, Terms & Conditions annexed herewith.

- (1) The intending tenderers must produce copies of registration under DVAT Act 2004 and furnish their TIN number along with the bids.
- (2) The tenderer should have a local office in Delhi and should be fully equipped to provide after sales service for the equipments.
- (3) The successful tenderer will have to supply, install, the system at site.
- (4) **Warranty:** The equipments supplies shall carry on-site warranty period of at-least one year from the date of supply and installation.
- (5) Earnest Money Deposit (EMD) of Rs. 5,000.00 (Rupees: Five Thousand only) is to be deposited by Demand Draft/Pay Order drawn in the name of "Drawing & Disbursing Officer, National Gallery of Modern Art", payable at New Delhi and should be submitted along with the Tender. Earnest Money Deposit shall be returned to unsuccessful tenderers immediately.
- (6) The successful bidder shall attend to any complaints of malfunction, defects etc., of the equipments and rectify the same within 24 hours of the complaint during the period of warranty.
- (7) The successful bidder shall have to supply, Install, Test and Commission the equipments within 7 days from the date of the supply orders.
- (8) Copies of tender forms can be obtained from the Administrative Officer, National Gallery of Modern Art, Jaipur House, New Delhi, free of cost or can be downloaded from Central Purchase Portal (<http://eprocure.gov.in>) and NGMA website www.ngmaindia.gov.in.
- (9) The quotations in sealed covers will be received up-to 14 March, 2014 at 2:00 p.m. uploading and thereafter will not be entertained.
- (11) The Tender forms submitted by the tenderer shall contain all the requisite information incomplete bids are liable to rejected.
- (12) Quotations should be valid at-least for three months.
- (13) The Director (NGMA) reserves the right to accept the tenders in totality or in parts thereof. The Director (NGMA) also reserves the right to accept or reject the tenders without assigning any reasons.



(S.K. Misra)

Administrative Officer

Encl: Terms & Conditions (Annexure-'A')
Specification (Annexure-'B')

NATIONAL GALLERY OF MODERN ART
Jaipur House, New Delhi-110003

GENERAL TERMS AND CONDITIONS FOR THE WORK OF SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 16 INFRA-RED COLOUR CAMERAS AND DVR/MONITORS AT NATIONAL GALLERY OF MODERN ART(NGMA), NEW DELHI AS PER SPECIFICATIONS, TERMS & CONDITIONS ANNEXED HEREWITH :-

1. The Tenderer shall be required to take up the work of Supply, Installation, Testing and Commissioning of 16 infra-red colour Cameras and DVR for replacement of Black & White System at NGMA, New Delhi.

2. Price:

The rates quoted/indicated shall include cost of materials and equipments required for the work as per the enclosed specification and installation charges. The V.A.T./C.S.T./Service Tax and other taxes/ levies to be imposed on the rate shall be clearly mentioned. Rate quoted shall be firm and fixed for the entire period of execution of the Work Order and no escalation of rate on any ground whatsoever shall be applicable.

3. Time of completion:

Time is the essence of this contract. The time for supply, installation, testing and commissioning of aforesaid equipment is **7 days** from date of placement of work order. Order is liable to be cancelled if the aforesaid time schedule is not strictly followed, NGMA shall be entitled to claim appropriate liquidated damages. The decision of NGMA in this regard shall be final and binding on the successful tenderer.

4. Payment Terms

No advance payment shall be made by NGMA under any circumstances. Payment shall be released after satisfactory completion of the entire work within 15 (fifteen) days from the date of receipt of Invoice/Bill duly supported by receipted challan and satisfactory inspection/work completion certificate issued by the competent authority of NGMA.

5. Every effort should be made to complete the work by the successful Tenderer within the specified time schedule. In case the firm fails to comply with Clause No. 5 i.e., the specified time schedule as per the finalized and accepted terms and conditions, the NGMA shall have the right to cancel the order and forfeit the EMD. The decision of NGMA in this regard shall be final and binding on the successful Tenderer.

6. T.D.S. shall be deducted at source, if applicable, from the bill of firm as per prevailing Government Rules.

7. Defect Liability Period

The Defect Liability /Warranty period shall be at least **1 year (One year)** from the date of completion of supply and installation. The successful tenderer(s) shall be responsible for all defects of the equipments, manufacturing defects etc. for a period of **at least 1 year** from the date of completion of the supply and installation. The successful tenderer(s) shall rectify the defect/defective parts within the specified time upto the complete satisfaction of the competent authority of NGMA.

8. Bad quality equipments will not be accepted and if found liable to be rejected and should be replaced by the successful tenderer(s) at his cost as per specifications and directions given by the authorized representatives of NGMA.
9. Specification of the items under tender are enclosed for guidance. However, if any, ambiguity in the specification is detected, it shall be promptly brought to the notice of NGMA for clarification. The successful tenderer(s) without written approval of NGMA shall make no deviation from the approved specifications.
10. The NGMA does not bind itself to accept the lowest tender, and reserves the right to accept or reject any or all tenders wholly or partially without assigning any reason whatsoever.
11. The successful tenderer(s) shall obtain necessary trade and other licenses as may be required to carryout the tendered job and shall also be responsible for compliance of all rules and regulations which may be in force from time to time by the appropriate authority at his/their own cost.
12. Address/contact number of the service centre available in New Delhi should be mentioned.
13. The warranty card to be duly signed by the manufacturer.
14. The warranty should be comprehensive and will start from the date of installation of the complete system.
15. Model upgrade if any at the time of supply should be indicated and latest model to be supplied. However, the latest upgrade should comply with all the specifications mentioned in the tender.
16. The tenderer should quote for the original equipment only. Refurnished/re-manufactured items are not acceptable.
17. Rates quoted should include of supply, installation, commissioning.

Specification For Varifocal Outdoor IR Camera

Image Sensor	Color 1/3" Super HAD CCD
Scanning System	2:Interlace Scanning
Scanning frequency	NTSC:Hor15,734Hz x Ver59.94Hz,60Hz Line Lock
	Pal: Hor.15, 625Hz x Ver.50Hz, Line Lock
Resolution	580 TVL
Sensitivity (AGC on)	0.01 Lux at F1.2, 0 Lux Under IR illumination
S/N Ratio	>58dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Back Light Compensation	256 detection area + enhanced center compensation
Auto Gain Control (AGC)	+ DPS 18dB
White Balance adaptation	Auto White Balance: 2400° K ~12000° K
Picture aperture	Hor. 2H, Ver.2V Enhancement
Synchronization	Internal
Video Output	1.0 Vp-p, 75ohm BNC
Gamma	0.45
Visible Spectrum	240nm~ 1,200nm
Power Voltage	DC12 or AC24V or AC85~265V
Power Consumption	10W, 500mA
Casing Structure	Aluminum alloy
Dimension & weight	116.5(W)x112(H)x 305(H) mm, 1.5kg
Ambient Temperature	Operating:15° C ~ + 60° C, Storage:- 30° C ~ + 70°C

SPECIFICATIONS FOR DVR

▼ Video

Video System	NTSC / PAL (auto detection)	
Video Compression Format	H.264	
Video Input	16 channels (Composite video signal 1 Vp-p 75Ω BNC)	
Video Loop Output	16 channels (Composite video signal 1 Vp-p 75Ω BNC)	
Video Output	BNC	MONITOR: For stable display / CALL: For sequence display
	VGA	Built-in (Output resolution up to 1600 x 1200)
	HD Display	Built-in (Output resolution up to 1600 x 1200)

▼ Record & Backup

Maximum Recording Rate	Frame	720×480 pixels with 120 IPS <NTSC> / 704×576 pixels with 100 IPS <PAL>
	Field	704×240 pixels with 240 IPS <NTSC> / 704×288 pixels with 200 IPS <PAL>
	CIF	352×240 pixels with 480 IPS <NTSC> / 352×288 pixels with 400 IPS <PAL>

Recording Mode	Manual / Timer / Motion / Alarm / Remote
Pre-alarm Recording	YES
Backup Device	DVD Writer (optional) / USB 2.0 flash drive / Network
Quick Search	Time / Motion / Alarm search mode

▼ Audio

Audio Input	4 audio inputs
Audio Output	2 audio output (Mono)

▼ General

Hard Disk Storage	Accommodates 2 SATA HDDs (1 HDD capacity up to 2TB)
SATA Interface	Built-in
Image Quality Setting	SUPER BEST / BEST / HIGH / NORMAL
USB Mouse Control	YES
Motion Detection Area	16 × 12 grids per channel
Motion Detection Sensitivity	3 adjustable parameters for accurate detection
Event Notification	FTP & E-Mail
Picture Zoom	2X digital zoom
PTZ Control	YES
Alarm I/O	4 inputs (Push Video), 1 output
IR Remote Control	YES (IR receiver built-in)
Key Lock (Password Protection)	YES
User Level	Administrator & Operator
Video Loss Detection	YES
Camera Title	Supports up to 12 letters
Video Adjustable	Hue / Saturation / Contrast / Brightness
Date Display Format	YY/MM/DD, DD/MM/YY & MM/DD/YY
Daylight Saving	YES
Power Source (±10%)	DC 19V
Power Consumption (±10%)	< 64 W
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Dimensions (mm)**	432(W) × 90(H) × 326(D)

▼ Network

Ethernet	10/100 Base-T. Supports remote control and live view via Ethernet
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS
Web Transmitting Compression Format	H.264

▼ Remote Surveillance from PC	
Compatible Operating System	Windows & MAC
Compatible Program	Web Browser: Internet Explorer, Mozilla Firefox, Google Chrome, Safari & Opera
	Video Viewer: For both Windows and MAC operating systems
	QuickTime For both Windows and MAC operating systems
Max. online users	10
Network Live Audio	YES
Remote Independent Operation	YES
Remote Event Download & Playback	YES
R.E.T.R. (Remote Event Trigger Recording)	YES
▼ Mobile Surveillance	
App	EagleEyes
Compatible Devices	iPad, iPhone, BlackBerry, Windows Mobile, Symbian & Android mobile devices
Push Video	YES (With EagleEyes for iPhone, iPad, Android versions)
▼ Others	
AVTECH Free DDNS service	YES
Multiplex Operation	Live display / record / playback / backup / network operations
System Recovery	System auto recovery after power failure