



Reserve Bank of India
Estate Department, Rail Head Complex
Jammu-180012
<https://www.rbi.org.in>

Tender: Supply of 5 No. IPCCTV Cameras including Lifetime Camera License for existing IPCCTV System at RBI Jammu

Reserve Bank of India, Jammu invites tender for 'Supply of 5 No. IPCCTV Cameras including Lifetime Camera License for existing IPCCTV System at Main Office Building Reserve Bank of India, Jammu.' All eligible and interested companies / agencies / firms must submit their bids in two sealed envelopes, Part-I consisting of Technical Bid and Part-II consisting of Price Bid. The Schedule of tender is as follows:

Estimated cost of the work	₹4,90,000 (Rupees Four Lakh Ninety Thousand Only)
Availability of application form on Bank's website	November 17, 2021
Last date and time for submission of sealed envelopes	December 2, 2021 up to 02:00 P.M.
Date of opening of part-I of applications	December 2, 2021 02:30 P.M. onwards

Date: 17.11.2021

Regional Director



**Reserve Bank of India
Estate Department
Jammu**

Part I

Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.

Name of the Firm: _____

Address: _____

Contact No:

_____ :

Email ID:

_____ :

Section I
Form of Tender

Place _____

Date _____

To,

The Regional Director
Estate Department,
Reserve Bank of India
Jammu

Dear Sir,

Having examined the specifications, drawings, designs and schedule of quantities relating to the works specified in memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, we hereby offer to supply and execute the works specified in the said memorandum, within the time specified in the memorandum, at the rates mentioned in the attached schedule of quantities and in all respects with the specifications, designs, drawings and instructions in writing referred to in conditions of tender, the Articles of 'Agreement, Special Conditions, Schedule of Quantities and conditions of Contract and with such materials as are provided for by us, and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

(a)	Description of works	Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.
(b)	Estimated cost	Rs. 4,90,000/-
(c)	Terms of payment	As per clause 8 of Commercial Conditions.
(d)	Earnest Money	1) Rs.9800/- through NEFT RBI Jammu A/c No.8714295 , IFSC Code: RBIS0JMPA01 (0=Zero) Intimation of the same we may be given estate@rbi.org.in ; sumitjain@rbi.org.in ; himanshub@rbi.org.in jasmetsingh@rbi.org.in

		<p>2) No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by RBI, JAMMU.</p> <p>3) MSE's are exempted from submission of EMD subject to submission of MSE certificate.</p>
(e)	Time allowed for completion of work, including submitting the report from tenth day after the date of letter advising acceptance of tender.	2 months.

2. We also agree that our tender will remain valid for acceptance by the Bank for 90 days from the date of opening of Part I of the tender and this period of validity can be extended for such period as may be mutually agreed between the Bank and us in writing.
3. Should this Tender be accepted, I/we hereby agree to abide by and fulfil all the Terms and Conditions of the Tender and in default thereof, to forfeit and pay to you or your successors, or assignees or nominees such sums of money as are stipulated in the conditions contained in the tender together with the written acceptance of the Contract.
4. I/We understand that you reserve the right to accept or reject any or all the tender either in full or in part without assigning any reason therefor. We have deposited a sum of **Rs.9800 /- (through NEFT)** as earnest money with the Reserve Bank of India, which amount is not to bear any interest. Should we fail to execute the Contract when called upon to do so, we do hereby agree that this sum shall be forfeited by the Reserve Bank of India.
5. **The Tender/Quotation is to be submitted in separate sealed envelopes as under:**
 - All commercial terms and conditions and technical particulars.
 - As separate sealed cover containing the price bid in the Bank's proforma.

Name of the partner of the firm authorized to sign (or)

Name of person having power of Attorney to sign the contract. (Certified true copy of the Power of Attorney should be attached.)

Yours faithfully

Signature of Contractor

(Signatures and addresses of witnesses)

Section II

General Instructions to Tenderer(s) & Special Conditions

Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.

Commercial Conditions

1. Sealed tenders are invited from the OEM/authorised dealer for Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.
2. The estimated cost of the work is Rs **4.90 Lakh.**
3. The tender for the above work is in two-part i.e Part I containing technical specifications of equipment's offered, and the terms and conditions (Rates & Amounts of items shall appear) and Part II contains rates of items and amounts stated in figures and words shall be submitted, to **The Regional Director, Reserve Bank of India, Estate Department, Jammu,** so as to reach here not later than **14.00 hrs.** on Tender Part I will be opened on the same day at at **15:00 hrs.** All the envelopes shall be super scribed "**Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.**". There should be separate envelop for Part I and Part II.
4. **Eligibility:**

The firm should be the OEM/authorised dealer. The firm should submit the required document.
5. The tenders shall be valid for acceptance by the Bank for a period of 90 days from the date of opening of Tender (Part I).
6. The rates quoted shall be firm and shall include charges for all taxes, GST, duties, levies, consumables, labour, transport, insurance for transit, packing, etc. till the completion of the work in all respect to the Bank.
7. Bank will not accept any liability for any mishap / accident/damage caused while delivery of the IPCCTV camera's in the Bank. The equipment's supplied shall be guaranteed against all types of defects for a period of **one year** from the date of handing over of the equipment to the Bank. Any defects found in the system/sub-assemblies within the guarantee period shall be rectified / replaced by the tenderer free of cost.
8. Following terms of payments shall be applicable.
(a) 90% of the quoted rate on the supply of materials after deductions of all statutory taxes.

(b) Balance 10% after will be released after one year of defect Liability Period. No other terms of payment will be accepted and tender with any other condition is liable to be rejected.

9. Time is the one of the important factor of contract. Supply of camera's shall be completed in **2 months** from the 10th day of the date of letter of acceptance, failing which liquidated damages Rs 124/- per day maximum of 10% of the contract value will be recovered for delay beyond the contractual period of completion.

Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOB, Reserve Bank of India, Jammu.

Technical Specifications:

Scope: RBI Jammu office has an existing IPCCTV system commissioned in the year 2016 having 104 No's IP cameras (Axis make/Panasonic/Vantage), Video management Server, 02 recording servers, 01 Video analytic server and 01 storage server. 5 No's additional cameras **having edge-based analytics feature (Tripwire and Camera sabotage)** are required to be incorporated with the existing system. The SITC of the system was carried out by M/s Vantage Integrated Security System and also under all inclusive comprehensive AMC till 2024. A resident engineer was deployed to look after the day-to-day repair and maintenance of the entire system. The installation testing, commissioning and integration of the 5 No's additional cameras and license will be carried out by the present AMC firm.

The cameras offered must be having the following features and the contractor should indicate it's compliance against each item.

1. Outdoor Fixed (Varifocal lens) Box type True Day & Night Camera with IR (For Short distance) Bank preferred model (Indicated by the AMC firm) - Panasonic WV-S1531LN.

SI No.	Camera Characteristics	Minimum Specifications	Compliance (Yes/No)
1	Image Sensor	1/3" Progressive Scan CCD/CMOS	
2	Lens	Verifocal, the focal length should include range of 3.5 to 9 mm, Manually adjustable. The lens size should be compatible with the size of Image Sensor. The lens should be IR corrected 2MP or better	
3	Shutter Speed	1/10 S to 1/10,000 s	
4	True Day and Night	Automatic with IR cut filter	
5	Video Compression	Minimum 3 streams of H.264 High Profile and should be independently configurable.	

6	Resolutions and frame rates (H.264)	Minimum 1920 × 1080 @ 25 fps (1080p) or better	
7	Local Storage (S.D or Micro SD)	SD/SDHC/SDXC for minimum 64 Gb	
8	Supported Protocol	Ipv4 & v6, HTTP, HTTPS, FTP, SMTP, UpnP, SNMP, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP	
9	ONVIF	Profile S; The camera should be listed on ONVIF website	
10	Operating Temp	-5 °C to 50 °C	
11	Operating Humidity	20 to 80 % (Non condensing)	
12	Security	IEEE 802.1x	
13	Network Connectivity	10/100 Base T	
14	Wide Dynamic Range	Minimum 90dB for full HD	
15	Privacy Mask	Should be available	
16	Camera Title	Should be available with min. 16 characters(Alphanumeric)	
17	Day and Night Selection	Automatic switchover from colour mode (day time) to monochrome mode (Night time) when the light falls below a certain threshold level	
18	Housing	Housing should be of the same make of the camera	
19	Mounting	Should be from the camera OEM only with all mounting accessories as per site requirement suitable for ceiling or wall mounting	
20	Auto back focus	Shall be available	
21	Alarm	Minimum 2 inputs, 1 output	
22	Certification	Specific model should be UL listed, FCC and IEC certified. Open network video complaint with APIs and SDKs available in public domain without any additional charge	
23	Field of view	Minimum 80 degree of horizontal view at minimum focal length.	
24	Minimum Illumination/ Light Sensitivity	Colour mode:0.5 Lux, <u>F1.4 @ 30IRE</u> Black and white mode:0.4Lux, F1.4 @30 IRE	
25	Power	Power over Ethernet IEEE 802.3 af compliant	
26	Impact Protection	Shall be vandal resistant as per IEC norms	
27	Environmental Protection	Integrated IP54 housing or better	
28	Infra-red illumination	Minimum 15 m range integrated with camera	

29	Power Adaptor	OEM make POE Injector/Adaptor shall be provided wherever POE power (from the L2 switch) is not used by Bank.	
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2. Outdoor Fixed (Varifocal lens) Box type True Day & Night Camera with IR (For Long distance) Bank preferred model (Indicated by the AMC firm) - Panasonic WV-S1131.

S. No.	Camera Characteristics	Minimum Specifications	Compliance (Yes / No)
1	Image sensor	1/3" Progressive Scan CCD/CMOS	
2	Lens	Varifocal, the focal length range should include the range of 8 to 40 mm. Manually adjustable. The lens size should be compatible with the size of Image sensor. The lens should be IR corrected 2 MP or better.	
3	Shutter Speed	1/10 S to 1/10,000 s	
4	True Day and Night	Automatic with IR cut filter	
5	Video Compression	Minimum 3 streams of H.264 High profile and should be independently configurable.	
6	Resolutions and frame rates (H.264)	Minimum 1920 x 1080 @ 25 fps (1080p) or better	
7	Local storage (S.D or Micro SD)	SD/SDHC/SDXC for minimum 64 Gb	
8	Supported Protocol	Ipv4 & v6, HTTP, HTTPS, FTP, SMTP, UpnP, SNMP, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP	
9	ONVIF	Profile S; The camera should be listed on ONVIF website.	
10	Operating Temp	-5°C to 50°C	
11	Operating Humidity	20 to 80 % (Non-condensing)	
12	Security	IEEE 802.1x	
13	Network Connectivity	10/100 Base T	
14	Wide Dynamic Range	minimum 90 dB for full HD	
15	Privacy Mask	Should be Available	
16	Camera Title	Should be available with min. 16 characters (Alphanumeric).	
17	Day and Night Selection	Automatic switchover from colour mode (day time) to monochrome mode (Night time) when the light falls below a certain threshold level.	
18	Housing	Housing should be of the same make of the camera.	
19	Mounting	Should be from the camera OEM only with all mounting accessories as per site requirement suitable for ceiling or wall mounting;	
20	Auto back focus	Shall be available	

22	Alarm	Minimum 2 inputs, 1 output	
23	Certification	Specific model should be UL listed, FCC and IEC certified. Open network video compliant with APIs and SDKs available in public domain without any additional charge.	
24	Field of View	Minimum 40 degree of horizontal view at minimum focal length.	
25	Minimum Illumination / Light Sensitivity	Color mode: 0.5 Lux, F1.4 @ 30 IRE Black and white mode: 0.04 Lux at 30 IRE F 1.4)	
26	Power	Power over Ethernet IEEE 802.3af compliant,	
27	Environmental Protection	IP 66	
28	Impact Protection	Shall be vandal resistance as per IEC norms,	
29	Infra-Red Illumination	IR technology with Minimum 40 meters range integrated with the camera with Internal IR source	
30	Power adaptor	OEM make POE Injector/Adaptor shall be provided wherever POE power (from the L2 switch) is not used by Bank.	

3. Outdoor pan Tilt Zoom(PTZ) Dome Type True Day & Night Camera. Bank preferred model (Indicated by the AMC firm) – Panasonic WV-X6531N

S. No.	Camera Characteristics	Minimum Specifications	Compliance (Yes / No)
1	Image sensor	1/3" Progressive Scan CCD/CMOS	
2	Lens	The optical zoom of the lens should be minimum 30 X and it should necessarily cover the focal length range 5 to 120 mm. The lens size should be compatible with the size of Image sensor. The lens should be IR corrected 2 MP or better.	
3	Shutter Speed	1/10 S to 1/10,000 s	
4	True Day and Night	Automatic with IR cut filter	
5	Video Compression	Minimum 3 streams of H.264 High profile and should be independently configurable.	
6	Resolutions and frame rates (H.264)	Minimum 1920 x 1080 @ 25 fps (1080p) or better	
7	Local storage (S.D or Micro SD)	SD/SDHC/SDXC for minimum 64 Gb	

8	Supported Protocol	Ipv4 & v6, HTTP, HTTPS, FTP, SMTP, UpnP, SNMP, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP	
9	ONVIF	Profile S; The camera should be listed on ONVIF website.	
10	Operating Temp	-5°C to 50°C	
11	Operating Humidity	20 to 80 % (Non condensing)	
12	Security	IEEE 802.1x	
13	Network Connectivity	10/100 Base T	
14	Wide Dynamic Range	minimum 90 dB for full HD	
15	Privacy Mask	Should be Available	
16	Camera Title	Should be available with min. 16 characters (Alphanumeric).	
17	Day and Night Selection	Automatic switchover from colour mode (day time) to monochrome mode (Night time) when the light falls below a certain threshold level.	
18	Housing	Housing should be of the same make of the camera.	
19	Mounting	Should be from the camera OEM only with all mounting accessories as per site requirement suitable for ceiling or wall mounting;	
20	Auto back focus	Shall be available	
21	Alarm	Minimum 2 inputs, 1 output	
22	Certification	Specific model should be UL listed, FCC and IEC certified. Open network video compliant with APIs and SDKs available in public domain without any additional charge.	
23	Field of View	50 degree to 3 degree or better.	
24	Minimum Illumination / Light Sensitivity	Colour mode: 0.5 Lux, F1.4 @ 30 IRE Black and white mode: 0.08 Lux at 30 IRE F 1.4 @ 30 IRE	
25	Power	Power over Ethernet IEEE 802.3af compliant,	
26	Environmental Protection	Integrated IP 66 housing or better	
27	Impact Protection	Shall be vandal resistant as per IEC norms,	

28	Housing	Environmental Protection as per outdoor application IP66 rated; Integrated with Camera body.	
29	Power adaptor	OEM make POE Injector/Adaptor shall be provided wherever POE power (from the L2 switch) is not used by Bank.	
30	Dehumidification Device	In built/ integrated dehumidification device should be available	
31	Digital Zoom	12x or better	
32	Optical Zoom	30 x or better	
33	Pan/Tilt Adjustment	360 endlessPan, +/- 90 Tilt	
34	Preset /Tilt Adjustment	360 endless Pan, +/- 90 Tilt	
35	Preset Positions	Should be capable of programming & storing the title for various preset positions	
36	Variable speed	0/ Sec to 300 / Sec or better for both Pan and Tilt or better.	

Note: All cameras must be having specification of edge based analytics (Tripwire/Camera Sabotage) and should be compatible with the existing video management server. Please refer to the payment terms in this regard.

Place
Date

Signature and seal of the contractor

**Approved makes and make offered by the supplier
(to be filled by the contractor)**

<u>Sl. No</u>	<u>Description of the Item</u>	<u>Approved makes</u>	<u>Make offered by the contractor</u>
1	IP CCTV camera having the features mentioned at Technical specifications.	Axis, Bosch, Panasonic.	
2	Camera Lens	Axis, Bosch, Panasonic.	

(Name and Signature of the Firm)

Details of Tenderers

Particulars of Firm:

S.No	Particulars	To be filled by the firm
1	Original Equipment Manufacturer/ Name of Authorized Dealer authorized by the OEM (authorization letter must be attached)	
2	Composition of the firm (Whether partnership / proprietorship /Public Ltd.)	
3	PAN Details	
4	GST details with supporting documents	
5	Address of the Firm	
6	Telephone	
7	Email	
8	Fax	

The details of our bankers are as below:

Sr. No.	Particulars (submit the crossed cancelled cheque)	To be filled by tenderer
1	Name of the Bank	
2	Branch Address	
3	IFSC code	
4	Account Number	
5	Account type	

Part-II

To be submitted in separate envelope



**Reserve Bank of India
Estate Department
Jammu**

Part II

Supply of 5 Nos. IP Based CCTV Cameras Including Lifetime Camera License for Existing IPCCTV System at MOP, Reserve Bank of India, Jammu.

Name of the Firm: _____

Address: _____

Contact No: _____

Email ID: _____

Supply of 5 Nos. IP Based CCTV Cameras Including Life Time Camera License for Existing IPCCTV System at MOP, Reserve Bank of India, Jammu

Price Bid

Sr. No.	Description	Qty.	Rate (Rs.) including GST	Amount (Rs.) including GST
1	Supply of IP, colour true day/night, IR type camera having 1980/1080-pixel resolution along with all required accessories, housing, camera mounting arrangement having the features and Technical specifications mentioned in Tender part-I. The quoted model should be having edge-based analytics (Trip wire & Camera tampering) feature. Note: The firm is also required to assist, in case of any difficulty arises to the AMC firm during Installation, testing, commissioning and integration of the cameras with the existing system.			
A	Outdoor type, fixed box cameras with varifocal lens (3.5 – 09 mm).	02 No's		
B	Outdoor type, fixed box cameras with varifocal lens (8-40 mm)	01 No's		
C	Outdoor, PTZ Dome camera with lens (5-120 mm),	2 No's		
2	Total Cost of the 5 cameras (A+ B+C)			
3	Supply of lifetime camera licenses to integrate the above IP cameras to the existing video management server (make-milestone, model X protect corporate.	3 No's		
4.	Total Cost (02+03) (In Words) _____ _____			

Place
Date

Signature and Seal of the contractor
Contact No.
E-mail ID.