



BALMER LAWRIE & CO. LTD.

CONTAINER FREIGHT STATION

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e- TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19

TECHNICAL / COMMERCIAL BID

Tender Document for

[SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP BASED CCTV SURVEILLANCE SYSTEM, AT CFS & WD -KOLKATA AND ENHANCMENT OF STORAGE CAPACITY OF CCTV FOOTAGE.]

DUE DATE & TIME: [01/03/2019 AT 6.00 PM]

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NOTICE INVITING E-TENDER

Online Single Bid tender is invited from Reputed Manufacturers or their authorized dealers for above mentioned **“SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP BASED CCTV SURVEILLANCE SYSTEM, AT CFS & WD-KOLKATA AND ENHANCEMENT OF STORAGE CAPACITY OF CCTV FOOTAGE”** complying Pre-Qualification criteria or other details mentioned in Scope of Work , Technical Specifications(Annex-I), General Terms & Condition(Annex-II) and BOQ(Annex-III) or else where in the Tender Document, through our eProcurement portal which can be accessed via our web site www.balmerlawrie.com or directly at <https://balmerlawrie.eproc.in>.

Tenderers are advised to download Notice Inviting Tender along with other tender documents from the e-tendering portal <https://balmerlawrie.eproc.in>. The tender has to be submitted online.

The scanned copies of other required documents in support of vendors credentials are to be uploaded along with the tender documents through the appropriate link.

Sl. No	Description	Details
1	Name of Work	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF IP BASED CCTV SURVEILLANCE SYSTEM, AT CFS & WD -KOLKATA AND ENHANCEMENT OF STORAGE CAPACITY OF CCTV FOOTAGE
2	Tender No	e- TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19
3	Validity Of Offer	120 days from the due date of submission of the tender.
4	Contract/Delivery Period	4 weeks from issuance of the Work Order
5	EMD	Rs. 7,000/- (MSME/NSIC Reg. Vendors are exempted)
6	Downloading / Submission of Tender :	
	a. Starts on	19/02/2019 AT 6.00 PM
	b. Closes on	01/03/2019 AT 6.00 PM
7	Opening of Tenders	On or after due date of submission

1. LIST OF DOCUMENTS TO BE UPLOADED

The scanned copies of following documents should also be uploaded at appropriate link in our e tendering system as part of the technical/commercial bid submission.

- a. Power of Attorney authorizing the person who has signed the tender to act and sign on behalf of the company for vendor s other than sole proprietor.
- b. Certificate of registration/incorporation in the case of Pvt Ltd/Public Ltd company/ certified copy of partnership deed in the case of LPP/Partnership firm/ any document under the relevant rules/laws if the firm is a proprietorship firm .
- c. Income Tax PAN number
- d. GST Registration number
- e. Chartered accountant’s certificate or Audited / Certified Balance sheet and Profit and Loss account of tenderer’s company for last 3 years.

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- f. Certificate from bankers about financial soundness. **[Scanned to be uploaded, hard copy to be submitted to our office]**
- h. Experience/Credential Certificate.

In the case of bulky/voluminous documents, hard copies of the same should be submitted at our office.

2. VERIFICATION OF DOCUMENTS

- a. Tenderers or their authorized representative will be required to come to our office positively as intimated along with all original documents, scanned copies of which have been submitted with the e-tender towards ascertaining their qualification.
- b. Failure on part of the tenderer to report on specified date and time for paper verification may result in rejection of the tender submitted by them without further communication.
- c. Tenderer should be in a position to produce all the original documents and/or any other information on dates as intimated or as and when required by Balmer Lawrie.
- d. Incomplete Tenders are liable for rejection without any further communication to the tenderer and decision of Balmer Lawrie in this respect will be final.
- e. Any party submitting the false or forged documents may be Black Listed, EMD could be forfeited, work could be cancelled, criminal prosecution or any other action as deemed fit may be initiated.
- f. Balmer Lawrie reserves the right to reject any or all tenders without assigning any reasons whatsoever.

SPECIAL INSTRUCTIONS TO THE VENDOR FOR PARTICIPATING IN E-TENDER

Tenderers are advised to download Notice Inviting Tender along with other tender documents from the e-tendering portal <https://balmerlawrie.eproc.in> Interested parties have to pay and submit an interest free EMD of **Rs.7,000/- (Rupees Seven Thousand only)** by Demand Draft/Pay Order at our above address. The DD/PO for EMD should be drawn in favour of BALMER LAWRIE & CO LTD on any Scheduled Bank, payable at **[Kolkata]**. **In case of MSMED /NSIC vendors under Micro and Small category, Certificate of MSME/ NSIC must be submitted in hard copy for considering their exemption from EMD. Vendor are required to declare UAM number on CPPP (Central Public Procurement Portal) failing which such bidder will not be able to enjoy benefits as per PP Policy for MSME's order 2012.** Copies of the instruments (DD/PO) evidencing payment of EMD should be scanned & uploaded before bidding. However, MSME/NSIC vendors are being exempted from submission of EMD subject to their submission & Uploading of relevant valid certificate for the same. The physical original instruments/drafts /MSME/NSIC certificate should reach our above address prior to due date and time. In case the Vendor intend to submit any additional supporting documents, the same can be submitted in physical form at our above address. Documents of only those vendors shall be entertained who are bidding on-line. **UNDER NO CIRCUMSTANCES PRICE BID SHALL BE SUBMITTED IN PHYSICAL FORM.**

Balmer Lawrie & Co. Ltd. has developed a secured and user friendly system which enables Vendors/ Vendor to Search, View, Download tenders directly and also, enables them to participate & submit Online Bids on the e-tendering site <https://balmerlawrie.eproc.in> in a secure and transparent manner which maintains confidentiality and security throughout the tender evaluation process.

1. Procedure to submit On-line Bids

For this purpose, Vendors/Vendor s are advised to read the instructions available in the homepage of the portal <https://balmerlawrie.eproc.in> where detailed procedure for submission of bids is available under the option / link "*Bidding Manual*".

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1.1 Registration with e-procurement platform

For registration and online bid submission vendors may contact HELP DESK of C1India Pvt., Ltd. details of which is available at our web-site mentioned above or they can register themselves online by logging in to the website through <https://balmerlawrie.eproc.in>

Vendors may contact the following resource persons for any assistance required in this regard.

HELPDESK NOS ARE OPEN BETWEEN 1000 HRS to 1830 HRS IST (MONDAY TO FRIDAY (Exclusions: Balmer Lawrie HOLIDAYS))			
Please email your issues before your call helpdesk. This will help us serving you better.			
Balmer Lawrie & Co Ltd. , 21, Netaji Subash Road, Kolkata - 700 001			
Dedicated Helpdesk for Balmer Lawrie			
Contact Person	E-Mail ID	Tel. No.	Helpdesk Nos are open from
1. Mr. TirthaDas (Kolkata)	tirtha.das@c1india.com	+91-9163254290	MON - FRI
2. Mr.Partha Ghosh (Kolkata)	partha.ghosh@c1india.com	+91-8811093299	MON - FRI
3. Mr. CH. Mani Sankar (Chennai)	chikkavarapu.manisankar@c1india.com	+91-8939284159	MON - SAT
4. Ms. Ujwala Shimpi (Mumbai)	ujwala.shimpi@c1india.com	+91-22-66865608	MON - FRI
5. Helpdesk Support (Kolkata)		+91-8017272644	MON - SAT
Escalation Level 1			
Mr. Tuhin Ghosh	tuhin.ghosh@c1india.com	+91-8981165071	
Escalation Level 2			
Mr.Ashish Goel	ashish.goel@c1india.com	+91-9818820646	
Escalation Level 3			
Mr.Achal Garg	achal.garg@c1india.com		

1.2 Digital Certificate authentication

The vendor shall authenticate the bid with his Digital Certificate for submitting the bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the vendor will not be accepted on the e-procurement platform.

All the vendors who do not have digital certificates need to obtain Digital Certificate. They may contact

help desk of C1 India Pvt. Ltd.

2. Special Note

- Bids can only be submitted before the last date and time of submission as per the date and time mentioned in the e-tender. Resubmission (if required) of bid should be completed within the stipulated date and time. The system time (IST) that will be displayed on e-tendering web page shall be the time and no other time shall be taken into cognizance.
- Vendors are advised in their own interest to ensure that bids are uploaded and submitted successfully in e-tendering system well before the closing date and time of bid.
- No Printed or posted Bids / offers shall be accepted.
- Balmer Lawrie does not take any responsibility in case vendor fails to upload the documents within specified time of tender submission.
- Balmer Lawrie will not be responsible for any delay under any circumstances for non-receipt of Tenders/ submission of filled in tender documents by due date & time.
- Vendors are requested to provide correct "e-Mail address" and "Mobile No." for receiving updates related to e-tender from time to time.

- The vendor has to keep track of any changes by viewing the Addendum/Corrigendum issued by the Tender Inviting Authority on time-to-time basis in the e-Procurement platform. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.

3. Filling of Tender Documents

- 3.1 The tenderers are requested to carefully study all the tender documents and tender conditions before quoting their rates.
- 3.2 The tender must be strictly in accordance with the terms and conditions and specifications laid out in the tender.
- 3.3 Any terms and conditions given by the tenderer in their offers will not be binding on Balmer Lawrie.
- 3.4 The sole proprietor or authorised representative shall sign all documents that need to be uploaded. When the person signing the documents is not the sole proprietor / authorised representative of the company, the Power of Attorney authorizing such person to act and sign on behalf of the company must be scanned and uploaded and produced later on for verification by Balmer Lawrie.

SCOPE OF WORK

Work covered in this tender document shall generally be as detailed herein below. However, contractor shall be responsible to complete the work in all respects and in doing so provide/supply all facilities which may not be explicitly covered below but nevertheless are required to complete the work envisaged with the exception of only such items as have been specifically excluded from contractor's scope.

Successful vendor need to supply all items as per BOQ, Successful vendor will also require to Install & Commission the whole system in Integration with Security Control Room at our CFS.

Supply-Installation of CCTV System at Warehouse & allied area within CFS as per direction of Engineer-In-Charge.

The Bidder and the OEM should be able to support the project site and the equipment for a period of one year from the date of installation and commissioning upto satisfaction of BALMER LAWRIE. This basically means the technology support should be provided for a minimum period of one year. All hardware, Software Updates shall be provided during the warranty period of one (1) year.

The rates quoted should be inclusive of all materials, labour, incidental expenses, Equipment, Tools/Tackles, Transportation of materials and Labour, Taxes & Duties, Excise, Customs, Octroi Duty, Sales Tax etc. except for GST for Installation job which shall be paid by BL extra. All materials are to be supplied by the Tenderer unless otherwise stated.

Site Visit: Vendors are advised to visit the site and ask clarifications if required prior to their participation in the tender bid.

TECHNICAL SPECIFICATIONS

FOR

IP BASED SURVEILLANCE SYSTEM

Technical Specification for 2 MP Full HD WDR IR Vandal Dome Camera

(Preferred Make: Dahua, Pelco, Honeywell, Cp Plus, Bosch, Tyco, Axis)

Sr. No.	Function	Specification	Compliance Yes/No
1	Image Sensor	1/2.8" 2MP Progressive scan CMOS	
2	Minimum Illumination	0.006Lux/F1.4(Color,1/3s,30IRE) 0.05Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	
3	Effective Pixels	1920(H) x 1080(V)	
4	Angle of View	H:106°~29°, V:57°~17°	
5	Shutter Speed	Auto/Manual, 1/3~1/100000s	
6	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
7	Lens	2.7mm~13.5mm motorized Lens	
8	Gain Control (AGC)	Auto/Manual	
9	Video Compression	H.265+/H.265/H.264+/H.264	
10	S/N Ratio	More than 50dB	
11	Back Light Comp.	BLC / HLC / WDR(120dB)	
12	Video Streaming	1080P (1 ~ 25/30fps) , D1/CIF(1 ~ 25/30fps) , D1/CIF(1 ~ 25/30fps)	
13	Resolution	1080P(1920x1080)/SXGA(1280x1024)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)CIF(352x288/352x240)	
14	Digital Zoom	16x	
15	Motion Detection	Off / On (4 Zone, Rectangle)	
16	Privacy Mask	Off / On (4 Area, Rectangle)	
17	ICR	Auto(ICR)/Color/B/W	
18	ROI	Off / On (4 Zone)	
19	Audio Input	1Ch.	
20	Audio Output	1Ch.	
21	Audio Compression	G.711A;G.711Mu;G.726;AAC	
22	Alarm IN	1 channel In: 5mA 5VDC	
23	Alarm Out	1 channel Out: 300mA 12VDC	
24	Bit Rate	H.265: 12K ~ 6400Kbps , H.264: 32K ~ 10240Kbps	
25	Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP; DHCP;	

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		DNS; DDNS;PPPOE; IPv4/v6;SNMP;QoS;UPnP;NTP; ONVIF, PSIA, CGI	
26	Smart Detection	Tripwire, Intrusion	
27	Ethernet	RJ-45 (10/100Base-T)	
28	User Account	20 Users	
29	Smart Phone	iPhone, iPad, Android Phone	
30	IR	IR Range of 30 Mtr. ,Smart IR	
31	Micro SD	Micro SD, Max 128GB	
32	Operating Temperature-	30°C~+60°C , Less than 95%RH	
33	Power Source	DC12V, PoE (802.3af)	
34	Power Consumption	<8.3W	
35	Weatherproof Standard	IP67 & IK10	

Technical Specification for 2MP Full HD WDR IR Network Bullet Camera - 60Mtr.

(Preferred Make: Dahua, Pelco, Honeywell, Cp Plus, Bosch, Tyco, Axis)

Sr. No.	Function	Specification	Compliance Yes/No
1	Image Sensor	1/2.8" 2MP PS CMOS	
2	Minimum Illumination	0.006Lux/F1.4(Color,1/3s,30IRE) 0.05Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)	
3	Effective Pixels	1920(H) x 1080(V)	
4	Angle of View	H:106°~29°, V:57°~17°	
5	Shutter Speed	Auto/Manual, 1/3~1/100000s	
6	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
7	Lens	2.7mm~13.5mm Motorized Lens	
8	Gain Control (AGC)	Auto/Manual	
9	Video Compression	H.265+/H.265/H.264+/H.264	
10	S/N Ratio	More than 50dB	
11	Back Light Comp.	BLC / HLC / WDR(120dB)	
12	Video Streaming	1080P (1 ~ 25/30fps) , D1/CIF(1 ~ 25/30fps) , D1/CIF(1 ~ 25/30fps)	
13	Resolution	1080P(1920x1080)/SXGA(1280x1024)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)CIF(352x288/352x240)	
14	Digital Zoom	16x	
15	Motion Detection	Off / On (4 Zone, Rectangle)	
16	Privacy Mask	Off / On (4 Area, Rectangle)	
17	ICR	Auto(ICR)/Color/B/W	
18	ROI	Off / On (4 Zone)	
19	Audio Input	1 channel In	
20	Audio Output	1 channel Out	
21	Audio Compression	G.711A;G.711Mu;G.726;AAC	
22	Alarm IN	1 channel In: 5mA 5VDC	
23	Alarm Out	1 channel Out: 300mA 12VDC	
24	Bit Rate	H.265: 12K ~ 6400Kbps , H.264: 32K ~ 10240Kbps	
25	Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP ;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP; ONVIF, PSIA, CGI	
26	Smart Detection	Tripwire, Intrusion	
27	Ethernet	RJ-45 (10/100Base-T)	

28	User Account	20 Users	
29	Smart Phone	iPhone, iPad, Android Phone	

Technical Specification for 4MP Full HD WDR IR Network Bullet Camera - 40Mtr.**(Preferred Make: Dahua, Pelco, Honeywell, Cp Plus, Bosch, Tyco, Axis)**

Sr. No.	Function	Specification	Compliance Yes/No
1	Image Sensor	1/3" 4Megapixel progressive scan CMOS	
2	Minimum Illumination	0.007Lux/F1.6(Color,1/3s,30IRE) 0.06Lux/F1.6(Color,1/30s,30IRE) 0Lux/F1.6(IR on)	
3	Effective Pixels	2688(H) x 1520(V)	
4	Shutter Speed	Auto/Manual, 1/3(4)~1/100000s	
5	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
6	Lens	3.6mm	
7	Gain Control (AGC)	Auto/Manual	
8	Video Compression	H.265+/H.265/H.264+/H.264	
9	S/N Ratio	More than 50dB	
10	Back Light Comp.	BLC / HLC / WDR(120dB)	
11	Video Streaming	Main Stream: 4MP(1~25/30fps), Sub Stream: D1(1~25/30fps), Third Stream: 720P(1~25/30fps)	
12	Resolution	4M(2688x1520)/3MP(2304x1296)/1080P(1920x1080)/1.3MP(1280x960)/720P(1280x720)/D1(704x576/704x480)	
13	Digital Zoom	16x	
14	Motion Detection	Off / On (4 Zone, Rectangle)	
15	Privacy Mask	Off / On (4 Area, Rectangle)	
16	ICR	Auto(ICR)/Color/B/W	
17	ROI	Off / On (4 Zone)	
18	Bit Rate	H.264: 24K ~ 10240Kbps , H.265: 14K ~ 9984Kbps	
19	Protocol	HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP, ONVIF, PSIA, CGI	
20	Smart Detection	Tripwire,Intrusion, Object Abandoned/Missing,Face Detection	
21	Ethernet	RJ-45 (10/100Base-T)	
22	User Account	20 Users	
23	Smart Phone	iPhone, iPad, Android Phone	
24	IR	IR Range of 40 Mtr.	
25	Micro SD	Mirco SD card 128GB	

26	Operating Temperature	-30°C~+60°C, Less than 95% RH	
27	Power Source	DC12V, ePoE	
28	Power Consumption	<6W	
29	Weatherproof Standard	IP67	

Technical Specification for 16 Ch. H.265 4K Network Video Recorder**(Preferred Make: Dahua, Pelco, Honeywell, Cp Plus, Bosch, Tyco, Axis)**

Sr. No.	Function	Specification	Compliance Yes/No
1	Processor	Dual-core embedded processor	
2	Operating System	Embedded LINUX	
3	IP Camera Input	16 channel	
4	Two-way Talk	1 channel Input, 1 channel Output, RCA	
5	User Interface	GUI	
6	Video Output	1 HDMI, 1 VGA	
7	Compression	H.265/H.264	
8	Video Resolution	3840× 2160, 1920× 1080, 1280× 1024, 1280× 720, 1024× 768	
9	Motion Detection	MD Zones: 396(22×18).	
10	Video Loss	supports	
11	Camera Blank	supports	
12	Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface	
13	Alarm Output	4 Channel, NO/NC Programmable, Green Terminal Interface	
14	Hard Disk	8 SATA III Ports, up to 48TB	
15	Smart Phone	iPhone, iPad, Android Phone	
16	Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	
17	Recording Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop	
18	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search	
19	Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom	
20	Backup Mode	USB Device/Network	
21	Interface Ports	1 HDMI, 1 VGA, 3 USB Ports (2 USB2.0, 1 USB3.0), 1 RS485, 1 RS232	

22	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	
23	Max User Account	128 users	
24	Ethernet	2 RJ-45 ports	
25	Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, SNMP, FTP, Alarm Server, ONVIF 2.4, SDK, CGI Conformant	
26	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz	
27	Power Consumption	<12W (Without HDD)	
28	Working Temp	-10 ~ +55°C / 10~90%RH / 86~106kpa	

Technical Specification for 32 Ch. H.265 4K Network Video Recorder

(Preferred Make: Dahua, Pelco, Honeywell, Cp Plus, Bosch, Tyco, Axis)

Sr. No.	Function	Specification	Compliance Yes/No
1	Processor	Dual-core embedded processor	
2	Operating System	Embedded LINUX	
3	IP Camera Input	32 channel	
4	Two-way Talk	1 channel Input, 1 channel Output, RCA	
5	User Interface	GUI	
6	Video Output	1 HDMI, 1 VGA	
7	Compression	H.265 / H.264	
8	Video Resolution	3840× 2160, 1920× 1080, 1280× 1024, 1280× 720, 1024× 768	
9	Motion Detection	MD Zones: 396(22×18)	
10	Video Loss	supports	
11	Camera Blank	supports	
12	Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface	
13	Alarm Output	4 Channel, NO/NC Programmable, Green Terminal Interface	
14	Hard Disk	8 SATA III ports, up to 48TB	
15	Smart Phone	iPhone, iPad, Android Phone	
16	Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	
17	Recording Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop	

18	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search	
19	Playback	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom	
20	Backup Mode	USB Device/Network	
21	Interface Ports	1 HDMI, 1 VGA, 3 USB Ports (2 USB2.0, 1 USB3.0), 1 RS485, 1 RS232	
22	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	
23	Max User Account	128 users	
24	Ethernet	2 RJ-45 ports	
25	Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, SNMP, DDNS, FTP, IP Search, ONVIF 2.4, SDK, CGI Conformant	
26	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz	
27	Power Consumption	<12W (Without HDD)	
28	Working Temp	-10 ~+55°C / 10~90%RH / 86~106kpa	

Technical Specification for 16 BAY 64 TB Network Attached Storage (NAS)

(Preferred Make: Dahua, Netgear, Cp Plus, WD, Seagate)

Sr. No.	Function	Specification	Compliance Yes/No
1	Processor	64-Bit high-performance Intel Processor	
2	Controller	Single Controller	
3	Memory	4 Gb by Default	
4	IP Camera Input	512 Channel	
5	Operating System	Embedded Linux	
6	User Interface	Web	
7	Video Stream Mode	Max 512 Channel, 1024 Mbps for incoming/recording 512 Mbps for incoming/recording/forwarding, 64 Channel(128 Mbps) network playback	
8	Transfer Mode	4096 Mbps network transfer	
9	IP SAN Mode	Storage bandwidth shall not be less than 2.4 Gbps	
10	Smart Phone	iPhone, iPad, Android	
11	Hard Disk	16 HDDs, Up to 8 TB capacity of each HDD, SATA HDD composite connection	
12	miniSAS	1 mini SAS ports, for storage expansion	

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13	HDD Installation	Additional HDD bracket, HDD hot-swap, HDD Online Replacement	
14	RAID	Single RAID 0/1/3/4/5/6/10/50/60/ JBOD, hot spare	
15	RAID Rebuild	Dynamically adjust RAID rebuild speed to guarantee system load balance	
16	Logic Volume Manager	Support iSCASI volume management , NAS (SMB/NFS/FTP) volume management	
17	Snapshot	Support snapshot function, create user volume to back data	
18	Extract Frame	Support extracting P frame function, Customized extracting period and frame rate setup	
19	Cluster Service	N+M cluster service	
20	ANR	After disconnection, system can download the record file the SD card on the network camera to maintain the full record file.	
21	Shortcut RAID Creation	Click one button to create RAID Connectively	
22	Recording Mode	Manual, Schedule (Regular, Continues), Motion Detection, Alarm	
23	Search Mode	Time/Date, Channel, Alarm, MD and extract search (accurate to second)	
24	Playback	Play, Pause, Stop, Fast Play, Slow Play, Full Screen, Backup Selection, Digital Zoom	
25	Backup Mode	USB Device/Network/ eSATA Device	
26	Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	
27	Max User Account	128 Users	
28	Interface Port	1.2 mm extra- thickness hot-dip galvanized steel	
29	Chassis	High Accuracy aluminum ally slider, Self developed patent removable HDD bracket	
30	Ethernet	2 data RJ-45 ports (10/100/1000Mbps)	
31	Protocols	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, SNMP, DDNS, FTP, IP Search, ONVIF 2.4, SDK, CGI Conformant	
32	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz	
33	Power Consumption	<200W (Without HDD)	
34	Working Temp.	-10 ~+55°C / 10~90%RH / 86~106kpa	

GENERAL TERMS AND CONDITIONS

1. Eligibility Criteria For Techno-Commercial Bid

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- [a] The bidder should be authorized dealer of OEM/OEM itself. (Authorized dealer must submit the letter of authorization from OEM for this specific tender).
- [b] Bidder should have own office set-up at Kolkata and to have Maintenance team to attend to any break-down or service call from us. (List of Technical hands stationed at Kolkata to be attached along with address of office set up located at Kolkata along with Trade License).
- [c] Deposit of Earnest Money of Rs.7,000/- (MSME/NSIC Reg. Vendors are exempted If vendor is MSME/NSIC registered under micro and small category, relevant document to be attached).
- [d] Average Annual financial turnover should not be less than Rs.10.00 Lacs during the last 3 years ending 31st March 18.
- [e] Bidder should have atleast 4 (four) years experience of IP based wireless CCTV system in another organization/s and relevant PO to be enclosed.
- [f] The vendor should not have been black listed in any of the PSU or private organizations and a self-certification to this affect would need to provided. The company may verify such certification and if found during such verification that the statement is not true, the bid of the party will be rejected without any further reference to them.

2. Submission Of Online Bids

The bids should be submitted in Single part titled as

[A] Technical / Commercial & Price Bid

For Price Bid, only the rates are to be submitted as per given format in online eproc portal.

The entire bid is to have digital signature of the person having Power of Attorney/Power of Authority to sign on behalf of the Vendor.

3. Tender Opening

[A] Unpriced [Technical-Commercial] Bid Opening

Technical / Commercial Bids will be opened online as per the Tender Calendar.

Price Bid of only the techno-commercially qualified parties would be considered for Price bid evaluation. Bidders to quote for all items in the Price Bid. L-1 bidder would be determined on overall basis for all items in totality. In case any bidder quotes 0(zero) for any item, then the highest bid received for that item among all bidders would be considered their quote for evaluation purpose.

4. Acceptance of offers

4.1 Balmer Lawrie reserves the right to accept any tender in whole or in part or reject any tender or all tenders or place order for any quantity, less than or more than the tendered quantity, without assigning any reason thereof.

4.2 Bids of any tenderer may be rejected if a conflict of interest is detected between the vendor s and Balmer Lawrie at any stage.

4.3 Balmer Lawrie is not bound to accept the lowest rate for any tender. Balmer Lawrie also reserves its right to allow Public Enterprises (Central / State) price / purchase / contract / service preference as admissible under the existing Government policy. The decision of Balmer Lawrie in this connection will be final.

4.4 Incomplete tenders, conditional tenders, tenders received late or tender not conforming to the terms and conditions mentioned in the Tender documents or not accompanied by the requisite Earnest Money Deposit (unless exempted under the terms of this Tender) will be rejected.

5. Negotiations

- a. Balmer Lawrie reserves the right to negotiate with the Tenderer. Tenderer will have to attend the concerned office of Balmer Lawrie for negotiations/clarifications required from them, in respect of their quotations, without any commitment on the part of Balmer Lawrie.
- b. In case of negotiation, the Tenderer should send the confirmation of outcome of such negotiation in writing so as to reach the concerned office of Balmer Lawrie within 3 days from the date of negotiation/ the time stipulated whichever is earlier. If the Tenderer fails to comply with this requirement Balmer Lawrie reserves its right to ignore their quotation at its discretion and proceed to finalise the tender.

6. Price Variation

- 6.1 The price should be firm and irrevocable and not subject to any change whatsoever even due to increase in cost of materials, components and labour cost till the validity of the contract period.
- 6.2 The quoted rates shall be kept valid for acceptance for a minimum period of 120 days from the last date for submission of tender.

7. Notification of Award

Prior to the expiration of the period of Bid validity, BL will place purchase/work order or letter of intent on the successful vendor(s).

8. Security Deposit / Earnest Money Deposit

The vendor shall be required to submit an **Earnest Money Deposit of Rs. 7,000/- (Rupees Seven Thousand Only)** by way of Bank draft in favour of Balmer Lawrie & Co. Ltd drawn on a Kolkata branch of any Scheduled Bank and the same shall be returned to unsuccessful vendor after finalisation of tender. For successful vendor, the EMD shall be converted into **Interest Free Security Deposit (SD)** and the same shall be released after successful completion of work only.

If the successful vendor is unable to accept or execute orders when placed upon him or fails to execute the job or withdraws or revises his quoted prices within the validity period of his tender/contract after placement of the order/letter of acceptance, their EMD/SD shall be forfeited.

9. Completion Period

The entire supply of materials to complete the job as per specifications and BOQ should be completed within 4 weeks of awarding the contract. Installation, Commissioning and handing over the entire System then to be completed within 2 weeks from handing over the site by Balmer Lawrie.

10. Rates, Taxes & Duties

Vendor shall quote price inclusive of all taxes as applicable in Price Schedule part of the NIT. However, GST shall be paid by BL extra at the prevailing rate. **Bidders to quote for all items in BOQ-I , II and III. L-1 bidder to be determined based on L-1 rate for the total of all BOQs.**

11. Payment Terms

- a) 70% payment will be released against supply of material as per BOQ on certification of our officer in charge.
- b) 25 % Payment will be released **after completion of installation and commissioning** within 7 (seven) days from the date of submission of invoice after due certification by our officer in charge.
- b) 5 % will retained for a period one year from the date of commissioning of the security Control room. This 5% Retention amount may be refunded back to vendor on submission of Bank Guarantee of Equal amount valid till the date as above.

12. Compensation For Late Delivery

In case of late delivery beyond the stipulated date, compensation for late delivery @ 0.5% per week or part thereof, subject to a maximum of 10% of total order value shall be deducted from the vendor's bill.

13. Penalty Due To Non-Performance

Successful vendor shall depute their competent technical representative for supervising the above work. In case of in ordinate delay in completing the work, the company will be forced to get the work done through some other agency and the amount incurred for the same will be recovered from the contractor.

14. Work Permit & Work at Height Permit

Successful vendor is required to obtain Work Permit and also Work at Height Permit (wherever vendor is required to work at height) from Balmer Lawrie mentioning details of work men to be engaged which should be in specific Format as specified by Balmer Lawrie-CFS, without which no job shall be allowed to be performed. Appropriate PPE has to be used by the installation personnel as per the requirement and norms.

15. Contractors Responsibility

The contractor shall undertake to comply with all statutory regulations, like ESI Act, PF Act, Bonus Act, Gratuity Act, Minimum Wages Act, Factories Act, Contract Labour Act, etc. or any other act that may be applicable for employment of their workmen. Any expenses incurred by Balmer Lawrie & Co Ltd., under the regulations will have to be reimbursed by contractor. The contractor will be the ultimate employer of their personnel and they shall supervise the work of the men engaged by them for deliverance and performance of the contract. The contract shall be strictly between the company and the contractor.

The contractor shall at their expense comply with all the labour laws and keep Balmer Lawrie & Co. Ltd indemnified in respect thereof. The contractor should comply with all rules and regulations of West Bengal State Labour Board or any other body / bodies as required.

16. Sub-letting of Work

No part of the contract or any share or interest therein shall in any manner or degree be transferred, assigned or sublet by the contractor directly or indirectly to any person, firm or corporation without the consent in writing from Balmer Lawrie. In the event of contractor contravening the conditions, Balmer Lawrie shall be entitled to get the work done from any other firm at the 'Risk & Cost' of the contract.

17. PERFORMANCE GUARANTEE & WARRANTY

e- TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19

The vendor shall guarantee that the CCTV System supplied and workmanship of work done and any fittings designed / manufactured / supplied by the vendor are as specified in the tender schedule and wherever there is nothing specifically mentioned shall correspond to the best available grade and quality as required for the application.

18. PERIOD OF LIABILITY

The vendor shall guarantee the entire CCTV System for a period of Twelve (12) months from the date of completion of their work. Any damage or defect that may arise or lie undiscovered at the time of issue of completion certificate, connected in any way with the System Commissioned by the vendor for supply items or in the workmanship shall be rectified or replaced by the vendor at his own expense as deemed necessary by the Engineer-In-Charge or in default, the Engineer-In-Charge may cause the same to be made good by other workmen and deduct expenses (of which the certificate of Engineer-In-Charge shall be final) from any sums that may

be then or at any time thereafter, become due to Contractor or from his Security Deposit, or the proceeds of sale thereof, or of a sufficient portion thereof.

19.00 INSTALLATION, COMMISSIONING & TRAINING

The installation, testing and commissioning of the CCTV System shall be carried out by your competent engineers/technicians at the site. During installation/commissioning, your engineer/technician shall impart necessary training to our personnel in operating and servicing the equipment to the level of clear understanding/adoptions. No separate charge shall be payable by us for the purpose.

20. Liability & Ensuring Safety

The contractor should ensure that during the time of execution there is no damage to the property/personnel of Balmer Lawrie & Co. Ltd. In the event of such damage, it will be repaired / replaced by the company at the risk and cost of the contractor.

21. Addition/alteration of Tender Document

The Company reserves the right to add/alter terms and conditions of tender documents, increase or decrease quantity as mentioned in Price Bid (BOQ) including cancellation of the tender at any time without assigning any reason whatsoever. The Company also reserves the right to accept/reject a tender without assigning any reasons.

22. Force Majeure Conditions:

Delivery schedule is subject to force majeure conditions as under: If at any time during the continuance of this contract, the performance in whole or part by either party of any obligation under this contract shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion sabotage, fire ,floods, explosions, epidemics, quarantine restrictions, strikes, lock outs or acts of God (hereinafter referred as "events") provided notice of the happening of any such events is given by either party to the other within twenty one days from the date of occurrence thereof, neither party shall by reasons of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non performance or delay in performance. Deliveries under the contract shall be resumed as soon as practicable.

23. Arbitration

Any dispute or difference arising under this Contract shall be referred for adjudication at Kolkata to a Sole Arbitrator to be appointed by the Chairman & Managing Director, Balmer Lawrie & Co. Ltd. and the provisions of Arbitration and Conciliation Act, 1996 including any statutory modifications or enactment thereof shall apply to the Arbitration proceedings. The fees of the Arbitrator, if any, shall be shared equally by both the parties.

DECLARATION

**Having examined the tender documents, we have understood the terms & conditions indicated in the e e-
TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19 and hereby confirm our acceptance of the same.**

Place :

Signature of Tenderer

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Date :

Name & Address

Telephone Nos.

Office:

Fax Nos. :

PARTICULARS OF THE TENDERER'S ORGANISATION

S. No	Description	Tenderers Details
1	Name of the Tenderer	
2	Address of the Registered Office	
3	Address of the branch / office quoting against the Tender	
4	Year of commencement of business	
5	Whether Sole Trader/ Partnership / Private Limited Co., or Public Limited Co./LPP	
6	Registration No. (Under companies Act)	
7	Whether copy of Incorporation /Registration certificate from ROC(Registrar of company) uploaded	
8	Income Tax PAN no.	
9	Whether copy of PAN enclosed / uploaded	
10	Whether copy of latest Income Tax Return uploaded	
11	GST Registration. No.	
12	Whether copy of GST Registration certificate Uploaded	
13	Name of the Banker	
14	Whether registered under MS MED act	
15	In case registered under MSMED provide registration number and copy of registration certificate.	
16	If MSME vendor is SC/ST to be mentioned and Certificate to be attached	

Balmer Lawrie & Co. Ltd. Container Freight Station, [Kolkata]
e- TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19

Price Bid BOQ-I for Balmer CFS

Sl. No.	Item Description	Unit	Qty	Rate	Amount
1	2 MP IR Bullet Camera	Nos	25		
2	32 CH NVR Recording System	Nos	1		
3	POE Switch 16 Port Giga	Nos	2		
4	POE 8 Port Giga	Nos	3		
5	8 Port Switch 10/100 mbps	Nos	6		
6	16 port switch 10/100 mbps	Nos	1		
7	24 port Switch 10/100 Normal Rack mount	Nos	1		
8	Access outdoor Omni 360 degree	Nos	1		
9	Transmitting Station	Nos	2		
10	Surveillance SMPS 12v 5amp	Nos	6		
11	Surveillance SMPS 12v 10amp	Nos	2		
12	Single mode media converter 10/100 mbps	Nos	20		
13	Pole 18 feet 2inch	Nos	1		
14	POLE 10 feet 2 inch	Nos	5		
15	LIU Box 6 port	Nos	6		
16	FO Junction box	Nos	10		
17	Single Mode Armored OFC Cable 6 Core	Meters	2000		
18	Cat6 STP cable D-link	Meters	610		
19	RG 45 connector for STP cable	Meters	80		
20	Power cable 1.5 sqmm 02 core	Meters	400		
21	2 U RACK	Nos	5		
22	Weatherproof junction box	Nos	10		
23	Spike Buster Rack Mount	Nos	07		
24	PVC Conduit Pipe 25 mm	Meters	600		
25	Bracket/Angel for camera	Nos	25		
26	Conduit pipe for underground cable laying	Meters	100		
27	Lumsum accessories	Nos	1		
28	Installation charges	Nos	1		
	Total				

Balmer Lawrie & Co. Ltd. Container Freight Station, [Kolkata]**e- TENDER NO: BL/CFS/KOL/CCTV EQUIPMENTS/18-19**

All rates are excluding GST

Price Bid – BOQ-II for WD-Sonapur

Sl. No.	Item Description	Unit	Qty	Rate	Amount
1	4 MP IR bullet camera WDR (120 db) smart detection supported 40 mtr IR	NOS	2		
2	Cat 6 cable D-Link	Meters	305		
3	6 TB Hard Disk (Surveillance Type)	NOS	2		
4	Network Switch 16 Port 10/100 mbps	NOS	1		
5	Power Cable 1.5 sqmm 2 core cable with laying	Meters	100		
6	Transmitting Station	NOS	2		
7	Rocket M2	NOS	1		
9	Weather Proof box junction box	NOS	2		
10	5 amp Switch socket	NOS	2		
12	Bracket for camera	NOS	2		
13	POE Adaptor	NOS	2		
14	Installation Charges for above items and commissioning of the entire system including integration with the existing cctv system	Lump Sum	1		
	Total				

All rates are excluding GST

Price Bid – BOQ-III for 16 BAY 64 TB Network Attached Storage (NAS)

Sl. No.	Item Description	Unit	Qty	Rate	Amount
01	NAS Supporting upto 16bay[64TB]	NOS	1		
02	4 TB Hard Disk [Surveillance Type]	NOS	16		
03	Installation and Commission charges	Lump Sum	1		
	Total				

All rates are excluding of GST.