Tender Fee: Rs.1000/-(Non-Refundable)

TENDER FORM

Tender # ME/03/2015-16

Provide & Supply of Surveillance Equipment

Date of Issue	:	October 16, 2015		
Last Date of Submission	:	November 3, 2015 (3:00 pm)		
Date of Opening of Tender	:	November 3, 2015 (3:30 pm)		
Pay Order / Demand Draft #		, Drawn on Bank		
Amount of Rs Dated				

CONTENTS

1.	ntroduction
2.	nstructions
3.	Γender FormPage 5
4.	Terms & ConditionsPage 14
5	ntegrity Pact Page 16

1. Introduction

Dear Tenderer:

Thank you the interest you have shown in response to the IBA's advertisement which has floated on website of IBA & SSPRA and leading newspapers on October 16, 2015 to "Provide & Supply of Surveillance Equipment".

The Institute of Business Administration, Karachi (IBA) is the oldest business school outside North America. It was established in 1955 with initial technical support provided by the Wharton School of Finance, University of Pennsylvania. Later, the University of Southern California (USC) set up various facilities at the IBA & several prominent American professors were assigned to the IBA. The course contents, the curriculum, the pedagogical tools & the assessment & testing methods were developed under the guidance of reputed scholars from these two institutions. IBA has zealously guarded the high standards & academic traditions it had inherited from Wharton & USC while adapting and adjusting them with the passage of time.

We expect to avail services/works/items of high standards meet our prime & basic specifications through this transaction.

P ease contact Purchase Executive on 38104700 ext: 2150 for any information and query

Thank you.

-sd-Registrar

2. Instructions

- (a) The Institute of Business Administration, Karachi (IBA) expects that aspirant manufacturer/supplier/firm should furnish all the required documents to ensure a transparent and genuine presentation. Therefore, it is necessary to fill in the Tender Form meticulously and sign & stamp each and every page. Moreover, attach required supporting document according to the requirement.
- (b) It is of utmost important to fill in the Tender Form in writing in ink or type. Do not leave any column/item blank. If you want to leave the item/column un-answered please, write 'Doesn't Apply/Doesn't Arise'. If you need more space please attach a paper & clearly mention item/column name or number etc that referred the column/item of the Tender Form.
- (c) You can collect the Tender Document from the office of Manager Purchase & Stores, IBA Main Campus, University Road, Karachi from October 16, 2015 to November 3, 2015 during working 9:00 am to 3:00 pm.
- (d) The last date of submit the Tender Document in sealed envelope in November 3, 2015 by 3:00 pm in the Office of the Manager Purchase & Stores, IBA, Main Campus, University Road, Karachi. The Tender will be opened on same day at 3:30 pm in the presence of representatives who may care to attend.
- (e) Bid Security of 5% of total charges will be submitted along with Tender Documents in shape of PAY ORDER / DEMAND DRAFT only in the name of Institute of Business Administration.
- (f) Successful bidder should provide 5% Performance Security of total value of Purchase Order / Work Order in the form of Pay Order or bank guarantee before submission of invoice. The Performance Security shall extend at least three months beyond the Date of Delivery/Completion of work / Contract.
- (g) Please attached at least 5 plus years experience for this tender.
- (h) Please attached last 3 plus years' financial turnover in terms of bank statement or financial statement.
- (i) Copy of Sales Tax & Income Tax Certificate should be attached.
- (j) Cliental list is required.
- (k) Please mention "Tender Number" at top left corner of the envelopes. IBA, Karachi may reject any bid subject to relevant provision of SPP Rules 2010 any may cancel the bidding Process at any time prior to acceptance of bid or proposal as per Rule-25(i) of said rules.

TENDER FORM Provide & Supply of Surveillance Equipment 3.

S. #	DESCRIPTION	QTY	RATE (RS.)	AMOUNT (RS.)
	IP CAMERA- MINI DOME - 1.3 MP HIK			
	VISION OR EQUIVALENT			
1	 Support dual stream, and the sub-stream for mobile surveillance High-performance and long service life infrared LED, Approx. 10 to 30 meters IR range Must Support intrusion detection, line crossing detection Must Support VCA, which is compatible with NVR for the second time of video searching and analyzing Up to 1.3 megapixel (1280 × 960) resolution Wi-Fi Support Standard video compression with high compression ratio, ROI (region of interest) encoding Progressive scan CMOS, capture motion video without incised margin Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB Ingress Protection level: IP66 Two-way audio Support Audio Support Input Output IR cut filter with auto switch 	42 units		
	14. PoE (Power over Ethernet) 15. Impact Protection: IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10 16. Other functions: rotate mode, alarm, mirror, reset button, etc			
	17. Image Sensor: 1/3" Progressive Scan CMOS 18. Min. Illumination: 0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR, 0.028 Lux @ (F2.0, AGC ON) ,0 Lux with IR 19. Shutter Speed: 1/3 s to 1/100,000 s 20. Lens: Angle of view: 92.5°@2.8mm			

LENS		
21. Lens Mount: M12		
22. Day & Night: IR cut filter with auto		
switch	78	
23. Digital Noise Reduction: 3D DNR		
24. Wide Dynamic Range: Digital WDR		
25. Angle Adjustment: Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0-355°		
26. Video Compression H.264+		
27. H.264 Type: Main Profile		
28. Video Bit Rate:32 Kbps – 12 Mbps		
29. Dual Stream: Yes		
30. Audio Compression:		
G.711/G.722.1/G.726/MP2L2		
31. Audio Bit Rate: 64Kbps(G.711)		
/16Kbps(G.722.1)/16Kbps(G.726) /32-		
128Kbps(MP2L2)		
32. Max. Resolution: 1280 x 960		
33. Frame Rate: 50 Hz: 25 fps		
(1280×960) , 25 fps (1280×720)		
60 Hz: 30 fps (1280 × 960), 30 fps (1280		
x 720)		
34. Image Settings: Rotate mode, Saturation,		
Brightness, Contrast adjustable		
by client software or web browser		
35. Backlight compensation: Yes, zone optional		
36. ROI: (Region of interest) Support		
37. Line crossing Detection Support		
on and orosing beteetion support		
38. Network Storage:Local storage: Built-in		
Micro SD/SDHC/SDXC card slot, up to		
128 GB.		
39. NAS: Must Supported NAS (Support		
NFS, SMB/CIFS)		
40. Protocol:TCP/IP,ICMP,HTTP,HTTPS,FT		
P,DHCP,DNS,DDNS		
RTP,RTSP,RTCP, PPPoE, NTP, UPnP,		
SMTP,SNMP		
PPPoE,NTP,UPnP,SMTP,SNMP,IGMP		
802.1X,QoS,IPv6,Bonjour		
41. Standard: ONVIF, PSIA, CGI,		
ISAPI		
42. Communication Interface: 1 RJ45		
10M/100M Ethernet interface		
43. Alarm interface: 1 alarm I/O		
44. Audio interface: 1 audio I/O		

45. Wireless Standards: IEEE802.11b, 802.11g, 802.11n 46. Frequency Range: 2.4 GHz ~ 2.4835 GHz 47. Channel Bandwidth: 20/40MHz Support 48. Protocols: 802.11b: CCK, QPSK, **BPSK** 49. 802.11g/n: **OFDM** 50. Security: 64/128-bit WEP. WPA/WPA2, WPA-PSK/WPA2-PSK, WPS 51. Transmit Output Power: 11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm 52. Receive Sensitivity: 11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mpbs (Typical) 11n: -74dBm (Typical) 53. Transfer Rates: 11b: 11Mbps 11g: 54Mbps 11n: up to 150Mbps 54. Wireless Range: 50m (minimum) 55. Wireless Standards: IEEE802.11b, 802.11g, 802.11n 56. Operating Conditions: -30 °C - 60 °C (-22 °F - 140 °F) 57. Humidity: 95% less (noncondensing) 58. Power Supply: 12 V DC ± 10% 59. PoE: (802.3af) 60. Power Consumption: Max. 5W 61. Ingress Protection level: **IP66** 62. IR Range: 30 meters 63. Impact Protection: IEC60068-2-75Eh, 20J; EN50102, up to IK10 64. Dimensions: $\Phi 111 \times 82 (4.4" \times 3.2")$ 65. Weight: 500g (1.1 lb) 65. Alarm Trigger: Line Crossing, Intrusion Detection, Motion detection. Dynamic analysis, Tampering, alarm, Onekey reset. Network disconnect, IP address conflict. Storage

6	eartbeat, nirror, password protection, privacy mask, vatermark, IP address filtering. 6. The camera Box should include following items:- a. IP Camera b. Power Adaptor 220 v c. Screw driver L Key type for camera d. Weather proof network connector cover e. Camera manual f. Packing 7. Power supply should be included on each camera.		
2 4. 5. 6. 7. 8. 9. 10	Connectable to the third-party network cameras like like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY and Vivotek and ZAVIO. Video Content Analysis: NVR Should support VCA for smart search Stream Media Server: NVR should support Stream Media Server to increase the number of users on Network or to decrease the load over WAN connection for multiple users at remote location Up to 64 network cameras can be connected Support live view, storage, and playback of the connected camera with up to the resolution of 5 megapixels. Simultaneous HDMI and VGA at 1920 × 1080 resolution. New GUI and support starting record with one key; Redundant recording, holiday recording and capture schedule configuration; Realize instant playback for assigned channel during multi-channel display mode. Up to 16-ch synchronous playback at 4CIF resolution. Smart search for the selected area in the video. Customization of tags, searching, and playing back by tags.	05 units	

13.	Locking and unlocking record files.
14.	Compression: "H.264+" (NVR Should
	not be H.264 or below)

15. Support HDD quota and group modes; different capacity can be assigned to different channel.

16. Up to 4 SATA hard disks and 1 eSATA disk can be connected, for both recording and backup.

17. 1 self-adaptive 10M/100M/1000M network interface.

18. Support Hikvision DDNS (Dynamic Domain Name System);

19. Must Support Channel-zero encoding, which enables you to get a view in the remote client or web browser of all the channels in one screen.

20. Support network detection, including network delay, packet loss, etc.

21. Adopt pioneering dual-OS design to ensure the security of system running.

22. Channel Zero: NVR Should Support Channel Zero function with VBR i.e. $(32Kbps \sim 2Mbps)$ function which sucks one camera bandwidth and shows at most 16-cameras View at a time

23. VGA/HDMI or CVBS: NVR should independently operate (VGA/HDMI) & CVBS

24. IP video/Audio input :32-ch

1-ch, BNC (2.0 25. Two-way audio: Vp-p, 1kΩ)

Incoming bandwidth: 160Mbps

27. Outgoing bandwidth: 160Mbps

128 28. Remote Connection: 32 29. Video/Audio output:

5MP/3MP 30. Recording resolution /1080P/UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF

"H.264+" (NVR 31. Compression: Should not be H.264 or below)

32. Channel Zero: NVR Should Support Channel Zero function with VBR ability i.e. (32Kbps ~ 2Mbps) which sucks one camera bandwidth and shows at most 16cameras View at a time

33. VGA/HDMI or CVBS: NVR should independently operate (VGA/HDMI) & CVBS

34. Video Content Analysis: NVR Should support VCA for smart search

35. Stream Media Server: NVR should support Stream Media Server to increase the number of users on Network or to decrease the load over WAN connection for multiple users at remote location

36. NAS: NVR should support NAS function

37. Frame rate: Main stream: 25 fps (P) / 30 fps (N) 1. Sub-stream: 25 fps (P) / 30 fps (N) 38. CVBS output: 1-ch, BNC (1.0 Vp-p, 75 Ω) 39. Resolution: 704 × 576 (PAL); 704 × 480 (NTSC) 40. HDMI output: 1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz 41. VGA output: 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 720 /60Hz, 1280 × 720 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz 42. Audio output: 2-ch, BNC (Linear, 600Ω) 43. Playback resolution 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF 44. Synchronous playback: 16-ch 45. Hard disk (SATA) 4 SATA interfaces 46. eSATA 1 eSATA interface 47. Capacity: Up to 4TB capacity for each HDD 48. Network interface: 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet 49. Serial interface: RS-232; RS-485; Keyboard 50. USB interface:3 × USB 2.0 51. Alarm in: 16 52. Alarm out: 4 53. Power supply: 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz 54. Power Consumption: (without hard disk) ≤ 45 W 55. Working temperature: -10 °C ~ +55 °C 56. Working humidity: 10 % ~ 90 % 57. Chassis 19-inch rack-mounted 1.5U chassis 58. Dimensions (W × D × H) 445 × 390 × 70 mm 59. Weight≤ 4 Kg (8.82 lb) (without hard disk)	
1. Formatted capacity 4 TB 2. Form factor 3.5-inch 3. Advanced Format (AF) Yes 4. RoHS compliant Yes 5. Data transfer rate (max) 6. Buffer to host 6 Gb/s	10 units

7. Host to/from drive (sus	tained)	
**************************************	150 MB/s	
8. Cache (MB)	64	
9. Rotational speed (RPM) IntelliPower	
10. Load/unload cycles 300	,000	
11. Non-recoverable read e	rrors per bits read	
<1 in 10 ¹⁴	MS	
Limited warranty (year	s) ⁵ 3	
Average power require	ments (W)	
Read/Write	5.1	
15. Idle	4.5	
Standby and Sleep	0.4	
17. Temperature (°C, on th	e base casting)	
Operating	0 to 65	
Non-operating	-40 to 70	
20. Shock (Gs)		
21. Operating (2 ms, read/v	vrite) 30	
22. Operating (2 ms, read)	65	
23. Non-operating (2 ms)	250	
24. Acoustics (dBA) ⁷		
25. Idle	25	
26. Seek (average)	26	
27. Height (in./mm, max)	1.028/26.1	
28. Length (in./mm, max)	5.787/147	
29. Width (in./mm, ± .01 in	1.) 4/101.6	
30. Weight (lb./kg, ± 10%)	1.50/0.68	
Reduces video frame lo	oss with surveillance-	
class storage.		
Specifically tuned for s	urveillance security	
systems.		
Caching algorithms are	tuned for write-	
intensive, low bit rate,	nigh stream count	
applications that are ty	pical of surveillance	
applications.		
Priority change for wri	e allocations and	
preemptive caching po		
TLER & ATA streaming		
	ives.	

LED-32 channel SAMSUNG or		T				
1.Display Technology LED 2.2D/3D 2D 3.Internet Enabled No 4.Refresh Rate EMR 120Hz 5.Aspect Ratio 16:9 6.Resolution 720p or higher 7.Energy Grade Energy Star 8.Category LED TV 9.Brightness (cd/m2) 250 10. Contrast Ratio 1200:1 or better 11. Response Time 6.5ms 12. Viewing Angle (H/V) 170°/170° 13. Life Time >30,000hrs (min) 14. Colors 16.7M 15. Speakers Integrated speakers (Bottom side) 16. Audio Power Output 5W+5W 17. SRS True Surround HD Yes 18. HDMI 2 19. USB 1 20. AV in 1 21. AV out 1 22. RF 1 23. Component (Y/Pb/Pr) 1 24. VGA 1 25. SPDIF Coaxial 26. 3D Glasses No 27. Power Supply AC 220V 50/60Hz 28. Power Consumption - TV on 50W 29. Power Consumption - Standby		LE	D-32 channel SAMS	SUNG or		
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28. Power Consumption - TV on 50W 29. Power Consumption - Standby		26.	3D Glasses			
29. Power Consumption – Standby		27.	Power Supply	AC 220V 50/60Hz		
The state of the s		1540,0000				
<0.5W		29.	70 march 1 mar	- Standby		
			<0.5W			

5	 SD Card 32 GB KINGSTON or Equivalent Capacities¹: 32 GB. Must work with HIKVISION 1.3 MP IP camera or Equipment Speed²:Class 4 or above (Data writing speed 4MB/s or higher) Dimensions: 11mm x 15mm x 1mm Operating temperature: -25° C to 85° C Storage temperature: -40° C to 85° C Voltage: 3.3v Compliant: with the SD Card Association specification Compatible: with micro SDHC/SDXC host devices only Reliable: lifetime warranty⁷ 	1 unit	
	Total		
	17% GST		
	Total Amount		

Total Amount Rupees (in words)	

General Instructions:-

- All the items should be available in ready stock and displayed in front of the end user.
- No un marked items acceptable
- No Neutral version and Chinese version acceptable.
- Supplier should have office located in Karachi.
- Items should have local warranty.

4. Terms & Conditions

- (i) Receiving/Acceptance of Purchase Order: The manufacturers / distributor / supplier will sign the copy of the Purchase Order as acknowledgement.
- (ii) Delivery Challan: Copies of Delivery Challan on which the Order number, date of delivery execution, quantity, quality, specs, manufacturer name clearly mentioned. Noncompliance with this condition renders the goods / works liable to non-acceptance. After seven days, IBA will not be responsible for any claim(s) / responsibility.
- (ii) Place of Delivery: As specified in the Purchase Order unless otherwise informed accordingly.
- (iv) **Delayed Delivery:** 2% penalty of the total amount will be imposed per month for which the manufacturer/supplier/distributor failed to deliver within the delivery/execution period.
- (v) Inspection: Physical inspection will be carried out by IBA authority. Ordered material is subject to final inspection at the time of delivery.
- (vi) Quantity: Competent Authority reserves the right to change/alter/remove any item or article or reduce/enhance quantity without assigning any reason and contractor will abide the instruction.
- (vii) Condition of Goods: All items must meet in all respects with the primary specs & conditions of the Order and must be in good condition otherwise they will be liable to reject.
- (viii) **Delivery of Goods:** All the items must be delivered to the Store of the IBA and sign receipt with stamp on delivery note should be obtained.
- (ix) **Rejection of Goods:** We reserve the right to cancel any or all the items if material is not in accordance with the primary specification or if the delivery is delayed.
- (λ) Termination: That upon termination of this agreement the service provider shall be permitted to remove all its devices and equipment which may have been placed at premises from the time to time.
- (xi) Submission of Bills/Invoices: Invoice/bill, Purchase Order & Delivery Challan should be submitted to Finance Department.
- (xii) Advance Payment: Advance Payment subject to Bank Guarantee.
- (xiii) **Bid Security:** Kindly deposit a Pay Order / Demand Draft of 5% of the offered amount, the Bid Security, issued in favor of the Institute of Business Administration, Karachi
- (xiv) Performance Security: 5% Performance Security should be submitted in form of PAY ORDER / DEMAND DRAFT only in the name of Institute of Business Administration, Karachi before award of work order. The Performance Security shall extend at least three months beyond the Date of Delivery/Completion of work / Contract.
- (xv) Validity of Bid: Validity is for ninety (90) days.
- (x vi) **Price / Rate:** Price / rate must be quoted on Tender Form only and submitted in sealed envelope.
- (x/ii) General Sales Tax: General Sales Tax will be paid on applicable items only by the company/firm/agency.

- (xviii) Arbitration: In case of any dispute, difference or and question which may at any time arise between the parties hereto or any person under them, arising out in respect of this letter of intent or this subject matter thereof shall be referred to the Registrar of the IBA and CEO of the manufacturer/supplier/distributor for arbitration/settling of the dispute, failing which the decision of the court law in the jurisdiction of Karachi binding to the parties.
- (xix) Company Profile: Company Profile be attached with this document.
- (xx) Rules, Regulations & Policies: All rules, regulations and policies will be governed in accordance to the SPPRA & IBA PP&P.
- (xxi) Government tax(es), levi(es) and charges(s): It will be charged at actual as per SRO.
- (xxii) Rights: IBA, Karachi may reject any bid subject to relevant provision of SPP Rules 2010 any may cancel the bidding process at any time prior to acceptance of bid or proposal as per Rule-25(i) of said rules. IBA, also reserve the right to issue Purchase Order for any single items to different lowest responsive bidders or issue Purchase Order for all the items to any lowest responsive bidder.
- (Exiii) **Tender Document:** Tender Document available at the Office of Manager Purchase & Stores, IBA Main Campus, University Road, Karachi.
- (xxiv) Submission of Documents: Last date for tender submission is November 3, 2015 upto 3:00 pm.
- (xxv) Opening of Tender: Tender will be opened on November 3, 2015 on 3:30 pm at IBA Main Campus, University Road, Karachi.
- (xxvi) Government tax(es), levi(es) and charges(s): All Government taxes (including Income tax and stamp duty), levies and charges will be charged as per applicable rates / denomination of Purchase Order.
- (xxvii) **Stamp Duty**: Stamp duty 0.35% for Goods against total value of Work/Purchase Order will be levied accordingly.
- (xxviii)Experience: Please provide at least 10 plus years experience for this tender
- (xxix) **Turn Over**: Please attached last 3 plus years' financial turnover in terms of bank statement or financial statement.
- (xxx) Sales Tax & Income Tax: Copy of Sales Tax & Income Tax Certificate should be attached.
- (xxxi) Warranty: 12 months maintenance warranty will be given by supplier without any extra payment.

Note:

This Terms & Conditions is integral part of contract agreement besides other clauses / articles.

5. Integrity Pact

Declaration of Charges, Fees, Commission, Taxes, Levies etc payable by the manufacturer/supplier/distributor works;

M/s _____, the manufacturer / supplier / distributor hereby declares that:

- (a) Its intention not to obtain the procurement work of any Contract, right, interest, privilege, or other obligation or benefit from the IBA or any administrative or financial offices thereof or any other department under the control of the IBA through any corrupt practice(s).
- (b) Without limiting the generality of the forgoing the manufacturer/supplier/distributor represents and warrants that it has fully declared the charges, fees, commission, taxes, levies etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within the IBA directly or indirectly through any means any commission, gratification, bribe, gifts, kickback whether described as consultation fee or otherwise, with the object of obtaining or including the procurement or service contract or order or other obligations whatsoever from the IBA, except that which has been expressly declared pursuant hereto.
- (c) The manufacturer/supplier/distributor accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of declaration, representation and warranty. It agrees that any contract/order obtained aforesaid shall without prejudice to any other right & remedies available to the IBA under any law, contact, or other instrument, be stand void at the discretion of the IBA.
- (d) Notwithstanding any right and remedies exercised by the IBA in this regard, manufacturer/supplier/distributor agrees to indemnify the IBA for any loss or damage incurred by it on account of its corrupt business practice & further pay compensation to the IBA in any amount equivalent to the loss of any commission, gratification, bribe, gifts, kickback given by the company/firm/supplier/agency/service provider as aforesaid for the purpose of obtaining or inducing procurement/work/service or other obligation or benefit in whatsoever from the IBA.

Note:

This integrity pact is mandatory requirement other than auxiliary services / works.

It is hereby certified that the terms and conditions have been read, agreed upon and signed.

M/s		
Contact Person:		
Address		
Tel #	Fax #	
Mobile #	e-mail:	
		SIGNATURE & STAMP