

**PUBLIC PROCUREMENT REGULATORY**  
**AUTHORITY (PPRA)**

**CONTRACT AWARD PROFORMA - I**

**To Be Filled And Uploaded on PPRA Website In Respect of All Public**  
**Contracts of Works, Services and Goods**

- NAME OF THE ORGANIZATION/DEPTT. Pakistan Civil Aviation Authority
- FEDERAL / PROVINCIAL GOVT. Federal Govt. (Autonomous)
- TITLE OF CONTRACT PROC. OF CCTV EQUIPMENT FOR ENHANCEMRNT OF  
**COVERAGE AT RAHIM YAR KHAN**
- TENDER NUMBER HQCAA/1992/166/XXLN
- BRIEF DESCRIPTION OF CONTRACT CCTV EQUIPMENT AT RAHIM YAR KHAN.
- TENDER VALUE Rs.1,000/-
- ENGINEER'S ESTIMATE \_\_\_\_\_ N/A \_\_\_\_\_  
(for civil Works only)
- ESTIMATED COMPLETION PERIOD 60 Days
- WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?  
YES Yes / No
- ADVERTISEMENT :
- (i) PPRA Website Yes ( TS-502806-E) dated Yes / No (Federal Agencies)  
(If yes give date and PPRA's tender number)
- (ii) News Papers \_\_\_\_\_ Yes / No  
(If yes give names of newspapers and dates)
- TENDER OPENED ON (DATE & TIME 28-02-2023 11:30)
- NATURE OF PURCHASE Local Local / International
- EXTENSION IN DUE DATE (If any) \_\_\_\_\_ No Yes / No

1 caa 111923 . palt

➤ NUMBER OF TENDER DOCUMENTS SOLD EIGHT (08)  
(Attach list of Buyers)

➤ WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS Yes Yes / No  
(If yes enclose a copy).

➤ WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS Yes Yes / No  
(If yes enclose a copy).

➤ WHICH METHOD OF PROCUREMENT WAS USED: - (Tick one)

a) SINGLE STAGE – ONE ENVELOPE PROCEDURE \_\_\_\_\_

b) SINGLE STAGE - TWO ENVELOPE PROCEDURE. \_\_\_\_\_

c) TWO STAGE BIDDING PROCEDURE. \_\_\_\_\_

d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE. \_\_\_\_\_

- PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED WITH BRIEF REASONS (i.e EMERGENCY, DIRECT CONTRACTING, NEGOTIATED TENDERING ETC.)

- WHO IS THE APPROVING AUTHORITY D.CNS

➤ WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING.

➤ NUMBER OF BIDS RECEIVED THREE (03)

➤ WHETHER THE SUCCESSFUL BIDDER WAS LOWEST BIDDER Yes Yes/ No

➤ WHETHER INTEGRITY PACT WAS SIGNED No Yes / No

➤ WHETHER NAMES OF THE BIDDERS AND THEIR PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS Yes Yes / No

➤ DATE OF CONTRACT SIGNING 01-09-2023  
(Attach a copy of agreement)

➤ CONTRACT AWARD PRICE RS 3,914,025/

➤ WHETHER COPY OF EVALUATION REPORT GIVEN TO ALL BIDDERS Yes Yes / No  
(Attach copy of the bid evaluation report)

➤ ANY COMPLAINTS RECEIVED No Yes / No  
(If yes result thereof)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

➤ ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE/DOCUMENTS No Yes / No  
(If yes give details)

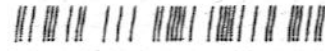
➤ DEVIATION FROM QUALIFICATION CRITERIA NO Yes / No  
(If yes give details)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

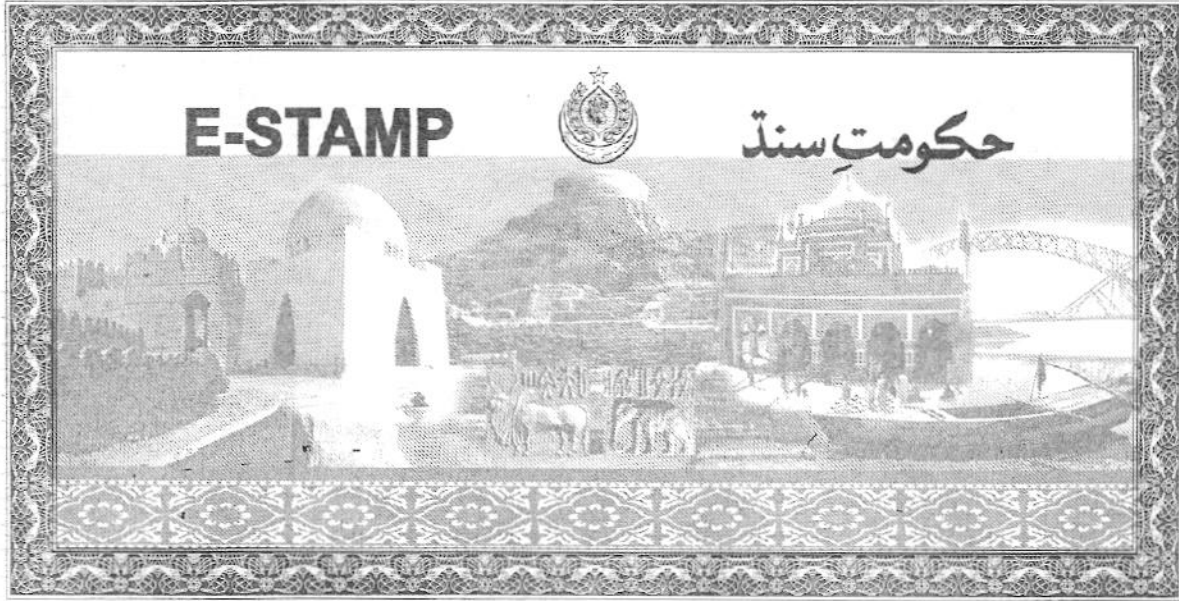
➤ SPECIAL CONDITIONS, IF Any  
(Give Brief Description)

N/A  
\_\_\_\_\_  
\_\_\_\_\_

706698



62A/B



NBP-0085-2307100002652285

GoS-KHI-834667DC89302CE1

Non-Judicial

Rs 9,786/-

Description	: Purchase Order - 15(b)
Purchaser	: Pakistan Civil Aviation Authority [00000000]
Supplier	: M.A. TECH [41773896]
Applicant	: Faiza Salman [42101-1598554-6]
Stamp Duty Paid by	: M.A. TECH [41773896]
Issue Date	: 10-Jul-2023, 03:50:38 PM
Paid Through Challan	: 2023D5B90876CBB1
Amount in Words	: Nine Thousand Seven Hundred and Eighty Six Rupees Only

Please Write Below This Line

**CONTRACT BETWEEN PAKISTAN CIVIL AVIATION AUTHORITY****AND M/S. M.A. TECH.****CONTRACT NO.HQCAA/1992/166/XXLN****PROCUREMENT OF CCTV EQUIPMENT FOR ENHANCEMENT****OF COVERAGE AT RAHIM YAR KHAN**THIS CONTRACT is made this the 01 SEP 2023 day of 2023 two thousand**BETWEEN**

The Civil Aviation Authority (CAA) established under the Pakistan Civil Aviation Authority Ordinance 1982, with its Head Quarters at Terminal No.1, Jinnah International Airport, Karachi, Pakistan, hereinafter referred to as the "Purchaser" (which term shall include its authorized representatives and successor in interest) of the First Part;

**AND**

**M/s. M.A. Tech (Proprietorship)**, with its office at **Bldg. #.94-C, Main Khayaban-e-Ittehad, Phase-II Ext, D.H.A, Karachi**, Pakistan hereinafter, referred to as the "Supplier" (which term shall include its authorized representatives and successors-in-interest) through **Mrs. Faiza Salman, (Proprietor)** of the Other Part.

WHEREAS, it has been agreed that the Purchaser shall purchase and Supplier shall sell the items and or equipment, which shall hereinafter be referred to as "the Stores", particulars and details of which including price, have been given in Annex "A" to this contract.

The terms and conditions as stipulated in this contract shall constitute the entire agreement between the two parties and shall supersede any previous undertakings, commitments or representations whether oral or written in this regard.



*[Handwritten signatures and marks]*

Now, therefore, this contract witnessed as under:-

**1(a). DEFINITIONS**

- 1.1 "Consignee" means OIC Logistic Center (South), JIAP, Karachi, Pakistan.
- 1.2 "Contract" means the present document signed by Purchaser and Supplier containing the contract terms and conditions together with the Annexure "A" thereto.
- 1.3 "Country of Origin" means the place where goods were manufactured produced, received, or from which the services are supplied.
- 1.4 "Contract Price" means the price shown in Annex "A" to the contract.
- 1.5 "Equipment/Stores" means **CCTV Equipment** and all other items to be supplied by the in accordance with Annex "A"
- 1.6 "Inspecting Authority" means the Director CNS, Headquarters Civil Aviation Authority, Terminal No. 1, Jinnah International Airport, Karachi, Pakistan.
- 1.7 "Inspecting Officer" means **AdID. EED JIAP Karachi**
- 1.8 "Purchaser " means the Civil Aviation Authority of Pakistan (Headquarters), Terminal No.1, Jinnah International Airport, Karachi-75200, Pakistan.
- 1.9 "Supplier" means **M/s. M.A Tech.**

**1(b) PARTICULARS**

- |  |   |
|--|---|
| (a) INDENTOR.                          | Add. Dir. Tele. & Elects. HQCAA,<br>JIAP, Karachi                             |
| (b) INDENT NO.                         | 2226 dated 22-08-2022   |
| (c) CONTRACT NO.                       | HQCAA/1992/166/XXLN<br>Dated: 01 SEP 2023                                     |
| (d) SUPPLIER                           | <b>M/s. M.A Tech.</b>   |
| (e) CONSIGNEE                          | OIC Logistic Center (South),<br>JIAP, Karachi,                                |
| (f) HEAD OF ACCOUNT/<br>ADP SCHEME NO. | <u>1232T058 F.Y 2022-23</u>   |
| (g) SCHEDULE OF STORES                 | As per attached ANNEXURE "A"  |
| (h) INSPECTING OFFICER                 | <b>AdID. EED JIAP Karachi</b>   |
| (j) INSPECTING AUTHORITY               | Director CNS,<br>HQ Civil Aviation Authority,<br>Terminal No.1, JIAP, Karachi |



2. **DELIVERY**

2.1 The Supplier shall deliver the Stores, mentioned in Annexure A, to the consignee within 60 days from the date of signing of this contract.

3. **PERFORMANCE BOND OR SECURITY DEPOSIT**

3.1 For due, satisfactory and timely supply of the Equipment or Stores, the Supplier shall furnish to Civil Aviation Authority a Performance Bond or Security Deposit @ 10% (Ten Percent) of the total contract value at the time of signing of this contract. The Supplier shall keep the Performance Bond or Security Deposit valid till satisfactory completion of the contract, including the completion of warranty period. This Performance Bond or Security Deposit shall be in shape of:-

(a) Pay Order in the name of Civil Aviation Authority, Karachi from any scheduled bank of Pakistan.

OR

(b) Bank Guarantee from a bank acceptable to CAA on approved format attached as Annex "B".

3.2 The Supplier shall have no claim against the Purchaser in respect of interest on Security Deposit or depreciation of currency, what so ever.

3.3 On satisfactory performance of the contract and completion of warranty period, as applicable the Security Deposit or Performance Bond will be returned to the Supplier.

3.4 In case of unsatisfactory performance of the Supplier or in the event of any breach of terms, given in the contract till completion of warranty period, the Purchaser may forfeit the Security Deposit or en-cash the Performance Bond in all or in part as deemed fit and proper by the Purchaser.

3.5 **The bid security shall be forfeited.**

If a contractor submits fake/bogus pay orders/bank guarantees/ as Bid Security or any other fake/tempered document, not only his bid will be cancelled and the firm will be debarred / black listed but all his security deposits (performance guarantees)/bid security etc will be forfeited.

4. **TERMS OF PAYMENT**

4.1 The Supplier shall submit original invoice / bill in triplicate alongwith Sales Tax Invoice to Additional Director Log. ANS, HQ CAA, Karachi, alongwith the following documents:-

4.1.1 Certified Receipt Voucher (CRV) issued by the Consignee.

4.1.2 A copy of Professional Tax Certificate issued by the Excise and Taxation Office

4.1.3 A copy of National Tax Certificate issued by the Income Tax Department

4.2 Payments of the stores shall be made within 30 days upon issue of receipt voucher indicating receipt of the store by the purchaser without any discrepancy / defect and submission of bill with complete documents.

4.3 The Supplier shall ensure due payments of all the duties and taxes including that of Federal Government or the Provincial Government and submit an undertaking that all government taxes for the supply of goods (and allied services if any ) have already been paid or submit proof of such payments at the time of submission of bills for payment

5. **PRICE(S)**

The prices mentioned in Annex "A", are firm and final.

WARRANTY =>P/4



6. **WARRANTY**

The Supplier shall warrant the store comprehensively for a period of Twelve (12) Months from the date of issuance CRV PCAA, or from the date of installation and commissioning of Equipment, whichever is applicable, against any design or manufacturing defect, bad workmanship or faulty material. In case of any defect, fitment problem or discrepancy of any nature whatsoever, the Supplier shall replace defective Equipment and/ or Store free of cost. In case supplier fails to replace the defective Store and or Equipment within 45 days of intimation by the Purchaser, the Supplier shall refund the cost of the Stores in currency in which received within 15 days, after the above mentioned 45 days, otherwise the Purchaser shall have the right to take action under clause 9 of the contract and/ or forfeit the Performance Bond or Security deposit.

7. **Tax/Duty Exemption**

The equipment / spares exclusively imported for use at IIAP Project Islamabad shall avail exemption of taxes and duties specified in para-V under 5th schedule Part-VI of custom Act 1969, for which the list of equipment / spares and other relevant documents are required to be provided by the supplier / contractor for seeking authorization by Aviation Division (Government of Pakistan) as per National Aviation Policy 2015. After getting exemption of tax and duties on imported goods / equipments / spare, the effect of exemption will be transferred to PCAA by reducing the same exempted tax mount from the invoice price. This shall not be applicable in case of the equipment/goods imported earlier or available Ex Stock. In this case the bill of entry and other relevant documents are to be submitted with bill invoice.

8. **QUALITY OF STORES**

The Supplier shall ensure that the Stores being supplied against this contract are new, unused and conform to the specifications, description given in the Annex "A" and shall be replaced free of cost if found defective on Acceptance Test by the Inspecting Officer, as per clause 11 hereof.

9. **FAILURE AND TERMINATION**

Should the Supplier fail to deliver the Stores/Equipment or any part thereof to the Consignee within the prescribed period or within such extended period as may be agreed in writing by both the parties, the Purchaser shall on expiry of 06 days grace period be entitled to take either of the following actions:-

9.1 To cancel the contract and/ or forfeit the Security Deposit as per clause 3.4 of this contract after giving seven days written notice to the Supplier and/ or initiate case for suspension or debarment or blacklisting as per CAAO "No.CAAO-003-ESCW" for **BLACKLISTING OF CONTRACTORS & SUPPLIERS** available on CAA website.

OR

9.2 To cancel the contract and or purchase from elsewhere the defective or the un-supplied Stores at the risk and expense of the Supplier, after giving him seven days written notice. The Supplier shall be liable for any loss, which the Purchaser may sustain on this account, but shall not be entitled to any gain on repurchase.

10. **LIQUIDATED DAMAGES**

The Purchaser shall have the right to impose liquidated damages at the rate of two percent (2%) per month of the value of the un-supplied Stores or any part thereof for the period exceeding the delivery period, subject to the provision that the total amount thus levied shall not exceed ten percent (10%) of total Contract value of the un-supplied Stores. The Liquidated Damages shall not be imposed if the complete delivery of stores/equipment as per Annexure 'A' to the contract with incidental services (if any) is accomplished by the supplier within the Grace Period as defined in clause 9 above.

11. **INSPECTION**

11.1 An inspection of the Stores be arranged at Consignee's premises (or at the Supplier premises) by Inspecting Officer or his representative to check the quality of the Stores, and the Inspecting Officer will sign or issue the acceptance or rejection certificate.

11.2 Rejected Stores, if left uncollected at the Purchaser i.e., Civil Aviation Authority's premises, shall be at the Supplier's risk and expense. Damaged Stores shall not be accepted. The Supplier shall remove the rejected or damaged Stores within 7 days at his expense.



PACKING =>P/5



12. **PACKING**

The Stores shall be duly and appropriately packed in original manufacturer packing. No loose Stores shall be accepted at the time of delivery.

13. **SETTLEMENT OF DISPUTES**

In case of any difference or dispute arising between the Purchaser and the Supplier in respect of the interpretation, conduct or performance of any terms & conditions of this contract, the same shall be referred to DG CAA for decision, which shall be final and binding upon both the parties to this contract

14. **FORCE MAJEURE**

If delivery is hindered or delayed by any cause beyond the control of the Supplier such as strikes, lock-outs, wars, fire and acts of God etc., reasonable extension may be granted to the Supplier by the Purchaser on his written request giving detailed reasons with proof thereof.

15. **HSE MANUAL**

Kindly go through the attached HSE Manual and comply/abide by all clauses.

16. **INDEMNITY**

The supplier shall indemnify the purchaser against all third party claims, including claims of infringement of patent.

17. **CORRESPONDENCE**

All correspondence pertaining to this contract shall be addressed to the Additional Director Log (ANS), HQ CAA, Terminal No.1 JIAP Karachi, for the Purchaser and to the M/s. M.A Tech. for the Supplier.

18. **AMENDMENTS**

The contract may be amended or modified with the mutual consent and/or agreement in writing by both the parties to the contract.

19. **LAW GOVERNING**

The laws of Pakistan shall govern this contract.

**IN WITNESS WHEREOF THE PARTIES HAVE SIGNED THIS AGREEMENT AT KARACHI ON THE DATE MENTIONED ABOVE.**

for and on behalf of the Supplier

(M/s. M.A Tech.)



for and on behalf of the Purchaser

(SAEED AHMED BUTT)  
Director CNS  
Pakistan Civil Aviation Authority

WITNESS

1.

2.

**Distribution**

- |    |  |        |
|----|--|--------|
| 1. | OIC Logistic Center (South) JIAP, Karachi                | 1 Copy |
| 2. | Additional Director Proj. Finance HQ CAA, JIAP, Karachi  | 1 Copy |
| 3. | Additional Director Tele. & Elects. HQCAA, JIAP, Karachi | 1 Copy |
| 4. | AdID. EED JIAP Karachi                                   | 1 Copy |
| 5. | Fixed Assets & Inv. Cont. Section HQ CAA Karachi         | 1 Copy |
| 6. | M/s. M.A Tech.   | 1 Copy |



Dated 01 SEP 2023

**SCHEDULE OF STORE**  
**PROCUREMENT OF CCTV EQUIPMENT FOR ENHANCEMENT OF COVERAGE**  
**AT RAHIM YAR KHAN AIRPORT**  
**HQCAA/1992/166/XXLN**

M/s. M.A TECH.

Sr #	Description	Qty	Unit	Amount
1	Supply of <b>HIKVISION Brand</b> 4-ch 1U 4K NVR. Up to 4-ch IP camera inputs, H.265+/H.265/H.264+/H.264 video formats, Up to 1-ch@8 MP/3-ch@4 MP/6-ch@1080p decoding capacity, Up to 40 Mbps incoming bandwidth <b>Model # DS-7604NI-K1</b>	1	Nos.	
2	Supply of <b>HIKVISION Brand</b> 8-inch 4MP 48X DarkFighter Laser Network Speed Dome, 1/1.8" progressive scan CMOS, High quality imaging with 4 MP resolution, Excellent low-light performance with DarkFighter technology, 48x optical zoom and 16x digital zoom provide close up views over expansive areas, Expansive night view with up to 500 m laser distance, Water and dust resistant (IP67) and vandal resistant (IK10) excluding glass window, Supports face capture to detect, capture, grade, and select faces in motion, Supports road traffic to detect vehicles <b>Model # DS-2DF8C448I5XS-AELW(T5)</b>	2	Nos.	
3	Supply of <b>HIKVISION Brand</b> 7-inch 2 MP 25X Powered by DarkFighter IR Network Speed Dome, 1/2.8" progressive scan CMOS, High quality imaging with 2 MP resolution, up to 60 fps, Excellent low-light performance with powered-by-DarkFighter technology, Audio visual alarm: The white flashing light and audible warning can be triggered by certain events, 25x optical zoom and 16x digital zoom provide close up views over expansive areas, Expansive night view with up to 200 m IR distance, Focuses on human and vehicle targets classification based on deep learning, Face capture: Up to 5 faces captured at the same time <b>Model # DS-2DE7A225IW-AEB(T5)</b>	2	Nos.	
4	Supply of <b>HIKVISION Brand</b> 4 MP Varifocal Bullet Network Camera High quality imaging with 4 MP resolution, Efficient H.265+ compression technology, Clear imaging even with strong back lighting due to 120 dB WDR, Up to 256 GB SD card slot for storage, 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring, Water and dust resistant (IP67), EXIR 2.0: advanced infrared technology with long IR range <b>Model # DS-2CD1643G0-I(Z)</b>	3	Nos.	
5	Supply of <b>HIKVISION Brand</b> 4-Directional Multisensor Network Camera, 4 adjustable lenses in one camera cover up to 360° field of view, ensuring no blind area monitoring and the monitoring tilt angle can be adjusted, Each lens up to 5 MP, capturing clear images, and more details can be displayed on video wall, In-ceiling mounting makes the camera unnoticeable and user friendly, Clear imaging against strong back light due to 120 dB true WDR technology, Water and dust resistant (IP67) and vandal proof (IK10), 3D DNR technology delivers clean and sharp images, Audio and alarm interface available <b>Model # DS-2CD6D54G1-ZS/RC</b>	1	No	
6	Supply of 32 inch LED TV with HDMI and VGA Port. <b>Brand: Haier</b>	1	No	
7	Supply of <b>STABIMATIC Gemini Brand</b> 1 KVA Line Interactive UPS	1	No	
8	Supply of <b>STABIMATIC Gemini Brand</b> 650VA Line Interactive UPS	1	No	
9	Supply of D-LINK Brand 4 port PoE Switch	6	Nos.	
10	Supply of 4U Rack, 18 gauge double section, wall mount including 1x shelf, 2x Exhaust fans and cage nuts.	2	Nos.	
11	Supply of Wireless LAN Extender Ubiquiti point to point LOCO M5	3	Pairs	

  
 Director  
 Civil Aviation  
 Authority  






IT NO. HQCAA/1992/166/XXLN

PROC. OF CCTV EQUIPMENT FOR ENHANCEMENT OF  
COVERAGE AT RAHIME YAR KHAN

DATE OF BID OPENING: 29-11-2022 - Time : 11:00

FOLLOWING FIRMS PURCHASED THE BIDDING DOCUMENTS

S/NO	NAME OF SUPPLIERS	DATE OF BID PURCHASED	HABIB METRO DEPOSIT SLIP NO. AND DATE	BID FEE RS.	FIRMS PARTICIPATE
1	M/S Focus Technology	17/11/22	15/11 12936935	1000	
2.	M/S. Inter Link.	17/11/22	16/11 33419324	1000	
3	M/S Mansoor Brothers	17/11	17/11 1294351	1000	
4.	M/S. BSSPL Elec Safety	19/11/22	19/11/22 1293699	1000	
5	M/S N/A Team	19/11/22	19/11 0627318	1000	
6.	M/S. Electronic Security	22/11/22	22/11/22 13145756	1000	
7.	M/S Al-Rainia Supply	22/11/22	22/11/22 3314497	1000	
8	M/S NRTC	23/11/22	23/11/22 1293697	1000	
9.					
10.					
11.					
12.					
13.					
14.					

PPRA TENDER NO. TS-495264-E

53B

**FINAL EVALUATION REPORT**  
**(As Per Rule 35 of PP Rules, 2004)**

1. **Name of Procuring Agency:** PAKISTAN CIVIL AVIATION AUTHORITY.
2. **Method of Procurement:** Single Stage Two Envelope Bidding Procedure
3. **Title of Procurement:** PROCUREMENT OF CCTV EQUIPMENT FOR ENHANCEMENT OF COVERAGE AT RAHIM YAR KHAN
4. **Tender Inquiry No.:** HQCAA/1992/166/XXLN (9710)
5. **PPRA Ref. No. (TSE):** TS502806E
6. **Date & Time of Bid Closing:** 28-02-2023 & 11:00 AM
7. **Date & Time of Bid Opening:** 28-02-2023 & 11:30 AM
8. **No of Bids Received:** Three (03)
9. **Criteria for Bid Evaluation:** Compliance Based
10. **Details of Bid(s) Evaluation...**

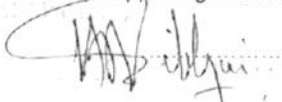
Sr.#.	Name of Bidder (s)	Marks		Total Evaluated Cost	Rule/Regulation/SBD*/Policy/Basis for Technical Rejection / Acceptance as per Rule 35 of PP Rules, 2004.
		Technical (if applicable)	Financial (if applicable)		
i.	M/s. M.A. Tech.	Compliant	Compliant	Rs. 3,914,025/-	Most Advantageous bid as per Rule-2(h) (i) of PPR – 2004
ii.	M/s. Mansha Brothers	Non-Compliant	--	--	Non-Compliant
iii.	M/s. Squad Safety and Security	Non-Compliant	--	--	Non-Compliant

\*Standard Bidding Documents (SBD).

Most Advantageous Bidder: (a). M/s. M.A Tech.

11. Any other additional / supporting information, the procuring agency may like to share.

Signature



Official Stamp:

**HUMAYUN AZHAR SIDDIQUI**  
Senior Assistant Director Logistics (ANSI)  
HQs Civil Aviation Authority



**TECHNICAL SPECIFICATION**  
**(COMPLIANCE SHEET)**

**PROCUREMENT OF CCTV EQUIPMENTS FOR ENHANCEMENT THE COVERAGE AT**  
**RAHIM YAR KHAN**

	RESPONSE	REMARKS
<b>1. <u>Mandatory requirements of technical bid: If bidder fails to comply any one of the following it will lead towards disqualification.</u></b>		
1.1 Bidders to offer international branded CCTV system (NVR, and Fixed cameras) having valid website address. The same should be shown in the remarks column.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.2 Bidder should be authorized agent of OEM for NVR, fixed camera offered in their bid. Valid Authorized Agent Certificate from OEM is required.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.3 Bidder's should have office at Karachi, Bidders to provide mailing address and landline number for verification.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.4 List of clients (minimum five) within last five years where CCTV systems of equal or bigger scope of work have been installed or supply by the bidder. Bidder to submit evidence of one of the documents i.e purchase order/ delivery letter/ invoice of the submitted list of clients.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.5 Bidder to submit this compliance documents dully filled and stamped.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.6 Bidder to submit certificate to confirm availability of spares for the next five years.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.7 Demo/performance test of NVR, Fixed Cameras offered by the bidder at Electronics Engineering Depot (EED) CAA to verify compliance of PCAA specifications (within two weeks' time after tender opening).	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.8 The Bidder shall submit an Affidavit (on stamp paper) that the Bidder is not blacklisted by any Government/Semi Government/Autonomous organization at the time of bid.	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.9 The Bidder must be registered with sales Tax and must be on Active Tax Payer List. (Proof of same to be attached).	Yes <input type="checkbox"/> No <input type="checkbox"/>	
1.10 The tender rates or amounts shall be inclusive of all taxes (but excluding provincial sales tax on services) duties and cess etc. as applicable fourteen (14) days prior to the date of tender opening and no claim on this account shall be entertained by PCAA	Yes <input type="checkbox"/> No <input type="checkbox"/>	



**TECHNICAL SPECIFICATION  
(COMPLIANCE SHEET)**

**PROCUREMENT OF CCTV EQUIPMENTS FOR ENHANCEMENT THE COVERAGE AT  
RAHIM YAR KHAN**

**TECHNICAL SPECIFICATION**

INTENT AND STANDARDS	QUANTITY	RESPONSE	REMARKS
<p>2. <b>Network Video Recorder(NVR) for 4 channels:</b></p> <ul style="list-style-type: none"> <li>• <b>Processor:</b> Dual-core embedded processor or better</li> <li>• <b>Operating System:</b> Embedded LINUX</li> <li>• <b>IP Camera Input:</b> 4 Channels</li> <li>• <b>Interface:</b> At least 2 HDMI One Spot VGA/HDMI port</li> <li>• <b>Resolution:</b> 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768 or better</li> <li>• <b>OSD:</b> Camera title, Time, Video loss, Camera lock, Motion detection, Recording</li> <li>• <b>Compression:</b> H.265+/ H.265/H.264/MJPEG</li> <li>• <b>Recording Resolution:</b> 12Mp, 8Mp, 6Mp, 5Mp, 3Mp, 1080P, 1.3Mp, 720P &amp; etc.</li> <li>• <b>Record Mode:</b> Manual, Schedule, Continuous, Motion Detection etc</li> <li>• <b>Trigger Events:</b> Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer &amp; Screen tips</li> <li>• <b>Playback:</b> 1/4/etc Time/Date, Alarm, Motion Detection &amp; Exact search (accurate up to second), Smart search</li> <li>• <b>Network:</b> 2 RJ-45 port (10/100/1000Mbps)</li> <li>• <b>Storage:</b> Installed HDD: <ul style="list-style-type: none"> <li>• (1TB) SATA Surveillance</li> <li>• External HDD:1 eSATA port</li> </ul> </li> <li>• <b>Auxiliary Interface:</b> USB:At least 2 USB Ports RS232:1 port, For PC communication&amp; Keyboard</li> </ul>	<p>01 Each</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	

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	<ul style="list-style-type: none"> <li>• <b>Lens Type:</b> Motorized vari-focal</li> <li>• <b>Focus Control:</b> Auto / Manual</li> <li>• <b>Compression:</b> H.265+/ H.264 / H.264 or better</li> <li>• <b>Resolution:</b> 4 MP (2560 x 1440) at 30 fps or better</li> <li>• <b>Network Interface:</b> RJ-45</li> <li>• <b>IR Range:</b> 50m or more</li> <li>• <b>Compatibility:</b> ONVIF</li> <li>• Ip67- compliant casing or better</li> <li>• Power over Ethernet(POE)</li> </ul>		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
6	<b><u>4-Directional Multisensor Network Camera with Pendant Mount Kit:</u></b> <ul style="list-style-type: none"> <li>• 4 adjustable lenses in one camera cover up to 360° field of view, ensuring no blind area and the monitoring tilt angle can be adjusted</li> <li>• Each lens up to 5 M.</li> <li>• True WDR technology: Minimum 120 dB</li> <li>• Camera must be Water and dust resistant (IP67) and vandal proof (IK10)</li> <li>• IR range up to 30 meter</li> <li>• Power over Ethernet(POE)</li> <li>• Pendant Mount Kit</li> </ul>	01 Each	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
7.	<b><u>Display:</u></b> <ul style="list-style-type: none"> <li>• Standard HD Monitor 24" with VGA&amp;HDMI port HP /Dell or equivalent</li> </ul>	01 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
8.	<b><u>UPS:</u></b> <ul style="list-style-type: none"> <li>• UPS 1 KVA Line Interactive from international brands</li> <li>• UPS 650VA Line Interactive from international brands</li> </ul>	01Each  01Each	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	



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<p>9. <b>Network Switch:</b></p> <ul style="list-style-type: none"> <li>• 4 ports POE unmanaged switches with 19-inch fixation from Cisco, 3Com, D-Link or equivalent</li> <li>• All switches should be equipped with PoE at each port to support all type of cameras mentioned above</li> </ul>	<p>08 Each</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	
<p>10. <b>Racks:</b></p> <p>IT Rack 4U, 18 gauge double section, wall mount including 1x shelf, 2x Exhaust Fans and Cage Nuts Make 3M/Microlink or equivalent</p>	<p>02 Each</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	
<p>11. <b>Wireless LAN Extender Point to Point (5.8Ghz):</b></p> <ul style="list-style-type: none"> <li>• <b>Range:</b> Long-Range minimum up to 15 km Point-to-Point Link Mode</li> <li>• <b>Channel Selection:</b> Automatic Channel Selection</li> <li>• <b>Transmit Power Control:</b> Automatic/Manual Both</li> <li>• <b>Security:</b> Strongest WPA2 Security</li> <li>• <b>Wireless Approvals:</b> FCC, IC, CE, FAB</li> </ul>	<p>03 Pair</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	
<p>12. <b>IP PTZ Controller:</b></p> <ul style="list-style-type: none"> <li>• <b>Keyboard (Keypad):</b> Electromechanical</li> <li>• <b>Joystick:</b> 3-axis, vector-solving, with twisting, return to-center head</li> <li>• <b>Keyboard Connector:</b> RJ-45, USB etc (compatible with NVR)</li> <li>• <b>Direct Communication Mode:</b> Interface: RS232/RS485</li> </ul>		<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	

**HEADQUARTERS, PAKISTAN CIVIL AVIATION AUTHORITY**

(Telecom & Electronics Branch)



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<ul style="list-style-type: none"> <li>• <b><u>NVR Protocol:</u></b> Dome Protocol: DH-SD/PELCO-D/PELCO-P/PELCO-D1/PELCO-P1... etc.</li> <li>• <b><u>Network communication Mode:</u></b> Interface: RJ45  NVR/Network Dome:  IP Address/Port/Protocol</li> <li>• <b><u>Power Supply:</u></b> Power supply input 100V~240V 50Hz / 60Hz</li> </ul>		Yes <input type="checkbox"/> No <input type="checkbox"/>  Yes <input type="checkbox"/> No <input type="checkbox"/>  Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b><u>HDMI Extender:</u></b> <ul style="list-style-type: none"> <li>• HDMI Extender over single CAT-6 UTP</li> <li>• Tx/Rx Pair</li> <li>• HDMI extender signal transmission can be up to 120 meters or more</li> </ul>	01 pair	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b><u>Wireless Bluetooth Mouse:</u></b> <ul style="list-style-type: none"> <li>• Wireless Bluetooth mouse A4-tech or equivalent (with cell)</li> </ul>	01 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b><u>G.I Pipe:</u></b> <ul style="list-style-type: none"> <li>• Customize G.I Pipe 1.5 inch , Height 3.5 feet with wall mount bracket</li> </ul>	05 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
6. <b><u>Network Cable (305-meter roll):</u></b> <ul style="list-style-type: none"> <li>• Cable Type :UTP (unshielded)</li> <li>• Pairs, quantity: 04 (Copper)</li> <li>• Conductor Gauge, singles: 23AWG</li> <li>• Conductors, quantity .08</li> <li>• Approved brand Clipsal, 3M / Corning, or equivalent</li> </ul>	03 Rolls	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
17. <b><u>Power Cable:</u></b> <ul style="list-style-type: none"> <li>• 2 core 3/0.029 Pakistan Cable or equivalent (90 meter)</li> </ul>	02 Rolls	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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18.	<b>HDMI Cable :</b> <ul style="list-style-type: none"><li>HDMI TO HDMI 3 meters</li></ul>	02 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
19.	<b>USB Cable:</b> <ul style="list-style-type: none"><li>USB Extension Cable</li></ul>	05 Meters	Yes <input type="checkbox"/> No <input type="checkbox"/>	
20.	<b>Extension Board:</b> <ul style="list-style-type: none"><li>Extension Board, 04 Universal Multi-sockets with 5 meters cable</li></ul>	02 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
21.	<b>Boult:</b> <ul style="list-style-type: none"><li>Rawal Boult (08 Number)</li></ul>	24 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
22.	<b>Screw:</b> <ul style="list-style-type: none"><li>Dry Wall Bugle Head Screw Black 1.5 inches with round washers</li></ul>	200 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
23.	<b>Plastic Screw Plug:</b> <ul style="list-style-type: none"><li>Plastic Screw Plug for 1.5 inch screw</li></ul>	200 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
24.	<b>Nail:</b> <ul style="list-style-type: none"><li>Steel nails-1.5 inch-200 Pcs with round washers Make Adamjee or equivalent</li></ul>	200 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
25.	<b>Connectors:</b> <ul style="list-style-type: none"><li>RJ-45 Connectors 3M or equivalent for CAT-6 cable</li></ul>	01 Packet	Yes <input type="checkbox"/> No <input type="checkbox"/>	
26.	<b>Tie:</b> <ul style="list-style-type: none"><li>UV Protected Cable Tie 12" (100 Pcs)</li></ul>	02 Packet	Yes <input type="checkbox"/> No <input type="checkbox"/>	
27.	<b>Fiber Box:</b> <ul style="list-style-type: none"><li>Fiber Box Weather Proof 6X6</li></ul>	04 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
28.	<b>Tape:</b> <ul style="list-style-type: none"><li>Electric Insulation Tape</li></ul>	06 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
29.	<b>UPVC Pipe:</b> <ul style="list-style-type: none"><li>UPVC Pipe 1 inch Make Adamjee or Equivalent</li></ul>	02 Dozen	Yes <input type="checkbox"/> No <input type="checkbox"/>	
30.	<b>UPVC Elbow:</b> <ul style="list-style-type: none"><li>UPVC Elbow 1 inch Make Adamjee or Equivalent</li></ul>	02 Dozen	Yes <input type="checkbox"/> No <input type="checkbox"/>	
31.	<b>UPVC Socket:</b> <ul style="list-style-type: none"><li>UPVC Socket 1 inch Make Adamjee or Equivalent</li></ul>	01 Dozen	Yes <input type="checkbox"/> No <input type="checkbox"/>	
32.	<b>Saddle:</b> <ul style="list-style-type: none"><li>Pipe saddle for 1 inch UPVC pipe with screw</li></ul>	04 Dozen	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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3. <b><u>Spray Colour:</u></b> <ul style="list-style-type: none"><li>White Colour Spray bottle</li></ul>	02 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b><u>Hacksaw Blade:</u></b> <ul style="list-style-type: none"><li>Hacksaw Blade good quality</li></ul>	02 Each	Yes <input type="checkbox"/> No <input type="checkbox"/>	
<b><u>PVC Flexible Pipe:</u></b> <ul style="list-style-type: none"><li>PVC flexible Pipe <math>\frac{3}{4}</math> inch</li></ul>	10 Feet	Yes <input type="checkbox"/> No <input type="checkbox"/>	

NOTE: All electronics items have a One-year warranty from the date of issuance of CRV from PCAA.