



GOVERNMENT OF PAKISTAN  
MINISTRY OF INFORMATION & BROADCASTING  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS  
CENTRAL MONITORING UNIT (CMU)  
ISLAMABAD



**TENDER NOTICE**  
**Thorough e-Bidding**

Directorate of Electronic Media & Publications, Ministry of Information and Broadcasting Islamabad, invites sealed bids from well reputed firms (OEM/Authorized Distributors) for the SUPPLY OF I.T. EQUIPMENT, HARDWARE & MACHINERY for its PSDP 2022-25 project titled 'Central Monitoring Unit (CMU)'; The bidding will be as per PPRA's "One Step Two Envelope" 36 (b) procedure. Tender Document along with instruction for the bidders may be obtained from the office of the undersigned during office hours, the document fee is PKR. Rs.20,000/-(nonrefundable) and is also available on PEPPRA as well as DEMP website under Tender link of <https://www.ppra.org.pk>, <https://www.demp.gov.pk>. A Bid Bond (refundable) in form of a Bank Draft/Pay Order addressed to D.D.O, Central Monitoring Unit(CMU) DEMP, equivalent to 3% of the total cost of bid (LOT wise) should be submitted along with the tender. DEMP reserves the right to accept or reject any or all bids as per PPRA Rules.

**02.** The bidding documents will be submitted on EPADS at <https://eprocure.gov.pk>. The electronic bids, prepared in accordance with the instructions contained in the bidding documents, must be submitted through EPADS within 15 days of publication of this advertisement i.e. **09<sup>th</sup> May, 2025 at 10:00 AM**. Manual bids, shall not be accepted. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Team, Director MIS Room No.109, 1st Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

**03.** Electronic Bids will open on the same day at 11:00 AM through EPADS in the presence of Tender Technical/procurement Committee Central Monitoring Unit (CMU) Directorate of Electronic Media & Publications, Benevolent Funds Building, Zero Point, Islamabad

**Amjad Rashid**  
**Project Incharge**  
Directorate of Electronic Media & Publications  
Ministry of Information & Broadcasting  
Benevolent Fund Building, Zero Point, Islamabad.  
Phone: 051-9252301

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**GOVERNMENT OF PAKISTAN**  
**DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS**  
**(DEMP)**

**MINISTRY OF INFORMATION & BROADCASTING**

**BIDDING DOCUMENT**

**FOR**

**SUPPLY & INSTALLATION OF I.T. EQUIPMENT, HARDWARE  
& MACHINERY**

**FOR**

**CENTRAL MONITORING UNIT (CMU)**

April, 2025

[www.demp.gov.pk](http://www.demp.gov.pk)

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## Table of Contents

Scope of Work, Timeframe .....	3
1. General Terms & Conditions .....	3
2. Instructions to Bidders .....	4
3. Method of procurement .....	5
4. E-bidding .....	5
5. Bids Evaluation.....	6
6. Qualification Criteria of the Bidder .....	6
(i) Technical Evaluation Criteria (70 marks) .....	7
(ii) Financial Evaluation Criteria (30 marks).....	7
7 Clarification of Bids.....	7
8. Mechanism for Grievance Redressal .....	7
(i) Grievance Redressal Committee.....	7
9.Mechanism for Dispute Resolution .....	8
(a) Discussion Period .....	8
(b) Referral to Dispute Resolution Committee.....	8
10. Award of Contract .....	9
10.1 Acceptance of Bid and Award Criteria .....	9
10.2 Procuring Agency's Right over quantities at the time of Award .....	9
10.3 Notification of Award.....	9
11. Signing of Contract.....	9
12. Performance Guarantee.....	10
13. Implementation & Payment Schedule .....	10
ANNEXURES .....	11
List of B.O.Q .....	11
OBJECT BASED STORAGE (OBS – LOT 1) .....	12
Enterprise Class Servers .....	16
(INTEGRITY PACT).....	20
LETTER OF INTENT: BID FORM-01 .....	21
DOCUMENTARY EVIDENCE: BID FORM-02.....	22
MANUFACTURER'S AUTHORIZATION: BID FORM-03.....	24
FIRM'S PAST PERFORMANCE: BID FORM-04.....	25
FINANCIAL DETAILS: BID FORM-05 .....	26
PERFORMANCE GUARANTEE – BID FORM 06.....	27
CONTRACT AWARD LETTER - BID FORM-07 .....	28
FORM OF CONTRACT AGREEMENT .....	29

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**Scope of Work, Timeframe**

<b>Milestones</b>	<b>Time Period</b>
The Procuring Agency (PA), as indicated in the BOQ Data Sheet, invites Bids for the Supply and Installation of I.T equipment, hardware & machinery as as per technical Specifications and provide the 3-year SLA and warranty.	6-8 weeks from date of Signing of Contract/Issuan ce of Purchase Order

**1. General Terms & Conditions**

- 1.0 Bidder must be registered with Income Tax and Sales Tax Departments and must appear on the Active Taxpayers List of FBR.
- 1.1 Bidder should be Authorized Delivery Partner/Seller/Distributor of the Original Equipment Manufacturer (OEM) for required goods/products in this procurement.
- 1.2 Bidder should never have been blacklisted by any Government Organization.
- 1.3 Bidder with reasonable experience for accomplishing similar nature of assignments will be preferred. Bidder should provide value, size and nature of assignments done in the past with respect to requisitioned products/goods in this procurement.
- 1.4 Bidder must have Technical Strength of at least three (03) qualified/certified professionals/trained resources to be able to carry out the installation, configuration, maintenance and repair of equipments.
- 1.5 Bidder shall be responsible for payment of any Duties/Taxes imposed by Govt. Of Pakistan during the payment of the project. The bid price MUST be inclusive of all the taxes.
- 1.6 Bidder will not propose and deliver any kind of Refurbished/Used/End of Life/Near End-of-Life equipment and components.
- 1.7 Bidder will provide a mandatory certificate (**Integrity Pact – Annexure D**) in case of procurement of goods & services worth Rs. 10 million or more specified by regulation with approval of the Federal Government, between the Ministry of Information and Broadcasting and the suppliers or contractors. Failure to provide this Integrity Pact shall make the bid non-responsive.

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**2. Instructions to Bidders**

**2.0** Detail of LOTs containing “Technical Specifications” is attached as “**Annexure-A**”.

**2.1** Bidder must provide on company’s letter head:

- 2.1.1 Name of the Organization
- 2.1.2 Complete Address of Head Office and Detail of sub-office(s) in Pakistan
- 2.1.3 Size of the Organization (No. of Employees)
- 2.1.4 Number of years of in Business
- 2.1.5 List of suitably qualified/certified human resource i.e. Engineers/IT Professionals

**2.2** Bidder should provide all details required in **Bid Form-2** and datasheets.

**2.3** Bidder should provide financial details as per **Bid Form-5**.

**2.4** The Bid Bond to be enclosed in a separate envelope, labelled as “Bid Bond”, and which should be sealed. It must be ensured that bid bond should not be in the same envelope as the financial proposal. In the Technical Bid, bidder must confirm on Company’s Letter Head that the Bid Bond is submitted as required

**2.5** A Bidder, if he so chooses, can bid for selective LOT among (06) LOTs provided in the Schedule of Requirements “**Annexure – A**”. A Bidder is also at a liberty to bid for all the LOTs mentioned in the Schedule of Requirements.

**2.6** Envelope for Financial Proposals should clearly mark: “**Financial Proposal**”. Two hard copies of Technical Proposal and Financial proposal are required.

**2.7** Main Envelope for Technical proposal should clearly mark “**Technical Proposal**”. Main envelope for technical proposal should contain 02 hard copies and 02 soft copies of the technical proposal (each being physically separated, bound, sealed and labelled as “Technical Proposal”). Each envelope should contain similar supporting documents.

**2.8** A Bid Bond, in the form of a Bank Draft/Pay Order in the name of D.D.O, central Monitoring Unit(CMU) DEMP, equivalent to **3%** of the total cost of bid (LOT wise) should be submitted along with the tender. All proposals and price shall remain valid for a period of 60 days from the closing date of the submission of the proposal.

**2.9** The successful vendor shall be required to deposit in the form of a Bank Guarantee, a Performance Bond upon execution of the contract, a sum equivalent to ten percent (10%) of the contract value, this Bank Guarantee shall be issued by a scheduled bank operating in Pakistan and shall be kept valid from the date of issue, and should cover the warranty period after all contractual obligations have been fulfilled.

**2.10** All payments in the proposal shall be quoted in Pakistani Rupees (PKR).

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

- 2.11** Advance mobilization payment will not be provided in normal circumstances. However, in case where international incoterms are involved, the same will be dealt with standard international practices and in the manner
- 2.12** The End User Licenses/Warranties for the goods and Contracting Support Services will be in the name of a procuring agency, for all the equipment and software(s) for the delivered equipment.
- 2.13** Hardware Equipment must have three 03 years of warranty, including parts and installation charges with onsite support and 3-years SLA
- 2.14** Bidders cannot bid for partial quantities of items in the LOTs provided in Schedule
- 2.15** Bidder should clearly indicate the duration of delivery of equipment in the bid/proposal.
- 2.16** Bidding Document is downloadable from [www.demp.gov.pk](http://www.demp.gov.pk) or may be collected from the project office **Directorate of Electronic Media & Publications Ministry of Information & Broadcasting Benevolent Fund Building, Zero Point, Islamabad. Phone: 051-9252301** during office hours. Bidding document fee is PKR 20,000/-(nonrefundable).

### **3. Method of procurement**

Method of procurement shall be as per the PPRA's Single Stage Two Envelope 36 (b) Procedure. Bidders shall submit the Bids along with the mandatory bid security, prepared in accordance with the instructions provided in the bidding document at the Office till **9<sup>th</sup> May, 2025** by 10:00 AM. The said proposal/bid will be opened on the same day at **11:00 AM** in the presence of bidders or their representatives.

### **4. E-bidding**

Documents as per regulations, containing details, terms and conditions, etc. is available for the registered bidders on EPADS at <https://eprocare.gov.pk>. The electronic bids, prepared in accordance with the instructions contained in the bidding documents, and must be submitted by using EPADS within 15 days of publication of this advertisement i.e. **09<sup>th</sup> May, 2025 at 10:00 AM**. Manual bids, shall not be accepted. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Team, Director MIS Room No.109, 1st Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

*This notice is also available on [www.ppra.org.pk](http://www.ppra.org.pk) and [www.moib.gov.pk](http://www.moib.gov.pk)*

- 4.0** Bids may be submitted in a SEALED CONFIDENTIAL COVER at the address given above within (15) days from the date of appearance the tender in the press and must reach this office by 1000Hrs Technical Bids will be opened on same day at 11.00am in the presence of representative of Responding Organizations/Bidders who wish to be present in the Committee Room of the Ministry of Human Rights.
- 4.1** Financial Bids will be opened for only Technically Qualified bidders; whereas the Financial Bids of technically disqualified vendors shall be returned un-opened in connection with **PPRA Rule: 36(b)** in general and **PPRA Rule: 36-b (viii)** in particular.

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**5. Bids Evaluation**

The Technical /Procurement committee will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. The committee will evaluate and compare the bids which have been determined to be substantially responsive. If a bid is not substantially responsive, it will be rejected by the committee and may not subsequently be made responsive by the Bidder by correction of the nonconformity. First of all, Qualification of the Bidder will be determined on the parameters listed below and after that Technical and Financial Evaluation (on the below-mentioned criteria) will be completed.

**6. Qualification Criteria of the Bidder**

Initial Screening of bids will be done on the basis of the following mandatory parameters. In case of deficiency, the bid will be declared as non-responsive.

1. NTN Certificate
2. GST Certificate
3. On Active Taxpayers List of F.B.R.
4. Organization Incorporation/Registration Certificate
5. Complete Organization Profile with Qualified Technical Team/Professionals
6. Reasonable experience in supply and installation of required equipment
7. Authorized Partner/Distributor/Seller from the Original Equipment Manufacturer
8. Bid validity period of 60 days
9. Affidavit on Legal Paper to the effect that not blacklisted and rendered ineligible for corrupt and fraudulent practices by any Public Sector Organization/Division/Ministry
10. Compliance with Schedule of Requirements (**Annex – A**)
11. Submission of required amount of Bid Security with Financial Bid
12. Manufacturer's Standard Warranty with One (01) year onsite warranty including parts and labour and three (03) years for hardware products as per (**Annex – A**)
13. Compliance with Technical Specifications & Scope of Work (**Yes/No**)
14. Technical Brochures/Data Sheets for Hardware and Licensed Software (**Yes/No**)
15. Original Bidding Documents Duly Signed/Stamped (**Yes/No**)
16. All documents are properly Tagged/labelled (**Yes/No**)

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**(i) Technical Evaluation Criteria (70 marks)**

- Detailed Technical Evaluation will be done for Bidders who qualify the preliminary Evaluation/Eligibility criterion mentioned above.
- During the evaluation, the Technical Committee will verify the compliance with technical specifications. The eligible firms/bidders may be asked to give presentation of proposal on power point (soft copy)/ proof of concept on their solution. Marks will be awarded as below:

Sr.	Criteria	Total Marks (70)
01	Quality of the quoted Product/Component/Solution	60
02	Capability of the Technical Human Resource	10

***\*\* Passing marks are 50 which are necessary to qualify for the Financial Evaluation.***

**(ii) Financial Evaluation Criteria (30 marks)**

- Financial bids of eligible and technically qualified firms will be opened before the bidder's representatives who wish to attend the tender opening.

**7 Clarification of Bids**

During evaluation of the bids, the committee may, at its discretion, ask the Bidder for clarification of its bid. The request for clarification will be issued in-writing and the response shall also be in-writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

**8. Mechanism for Grievance Redressal**

**(i) Grievance Redressal Committee**

Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances not later than fifteen days after the announcement of the bid's evaluation report under rule 35 to the following Grievance Redressal Committee: -

- |                                |               |
|--------------------------------|---------------|
| 1. Director (Admin) – DEMP     | [Chairman]    |
| 2. Project Director – (CMU)    | [Member – I]  |
| 3. IT Expert/Technical– CO-OPT | [Member – II] |



## **9.Mechanism for Dispute Resolution**

### **(a) Discussion Period**

If any dispute of any kind whatsoever shall arise between the DEMP and the successful Bidder in connection with any opinion or specification of the provided items or services out of this Agreement, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the completion of the agreement (whether during or after the engagement and whether before or after the termination, abandonment or breach of the Agreement) the Parties shall seek to resolve any such dispute or difference -through mutual consultation.

### **(b) Referral to Dispute Resolution Committee**

In case the Parties fail to reach agreement within fourteen (14) Days of the date upon which a Party serves notice upon the other with regard to the existence of a dispute, the dispute shall then be referred to the Dispute Resolution Committee. DG, DEMP will constitute the committee comprising of two (02) senior members from DEMP and a member recommended by the successful bidder. DRC shall resolve the dispute after giving each party a reasonable opportunity of presenting its respective point of view. The decision of which shall be final and binding and shall be enforceable in any court of competent jurisdiction.

## **10. Award of Contract**

### **10.1 Acceptance of Bid and Award Criteria**

The Bidder whose bid is found to be most closely conforming to the Evaluation Criteria prescribed in “**Annexure-A**” and having the most advantageous bid, if not in conflict with any other law, rules, regulations or policy of the Government of Pakistan, shall be awarded the Contract, within the original or extended period of bid validity.

### **10.2 Procuring Agency’s Right over quantities at the time of Award**

The Procuring Agency reserves the right at/after the time of award of Contract to increase the quantity of goods up to 15% and decrease the quantity as per the then current requirements as originally specified in the Schedule of Requirements (**Annexure-A**) without any change in unit price or other terms and conditions.

### **10.3 Notification of Award**

- 10.3.1 Prior to the expiration of the period of bid validity, the Procuring Agency shall notify to the successful Bidder in writing that his bid has been accepted.
- 10.3.2 The notification of award shall constitute the formation of the Contract between the Procuring Agency and the successful Bidder.
- 10.3.3 The enforcement of the Contract shall be governed by Rule 44 of the PPRA-2004.

## **11. Signing of Contract**

- 11.1 After the notification of award, the Procuring Agency shall send the successful Bidder the Contract Form.
- 11.2 The Contract shall become effective upon affixation of signature of the Procuring Agency and the selected Bidder on the Contract document.
- 11.3 If the successful Bidder, after completion of all codal formalities shows an inability to sign the Contract then its Bid Security shall stand forfeited and the firm may be blacklisted and de- barred from future participation, whether temporarily or permanently. In such situation the Procuring Agency may award the contract to the next lowest evaluated Bidder or call for new bids.

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**12. Performance Guarantee**

- 12.1 On the date of signing of Contract, the successful Bidder shall furnish a Performance Guarantee @ 10% of the total Contract Cost of Lot/Lots, on the Form and in the manner prescribed by the Procuring Agency.
- 12.2 The Bid Security submitted by the successful bidder, at the time of submitting its bid, shall be returned to the Bidder upon signing of contract, successful delivery of goods, furnishing of the performance/bank guarantee and confirmation of the performance/bank guarantee by the DEMP with the Bank of the successful bidder.
- 12.3 Failure to provide a Performance Guarantee by the successful Bidder is sufficient ground for annulment of the award and forfeiture of Bid Security. In such an event the Procuring Agency may award the contract to the next lowest evaluated bidder or call for new bid.

**13. Implementation & Payment Schedule**

#	Milestone	Time Period	Payment
1	<b>Supply, Installation/Configuration and Testing of Equipment (Hardware/Software)</b>	6-8 weeks from the date of issuance of supply order.	100%
2	<b>End of performance Guarantee</b>	Performance Guarantee will have to be provided to cover the warranty period of the hardware which will be three (03) year from the date of successful testing and acceptance.	Release of Performance Guarantee

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**ANNEXURES**

**Annex A**

**List of B.O.Q**

<b>S.#</b>	<b>Item Name/Description</b>	<b>Qty./Unit</b>
1.	Object Based Storage (OBS) ( <b>LOT 1</b> )	0.6/Peta Bites
2.	Enterprise Class Servers (Along with accessories and allied equipment) Enterprise Class Servers ( <b>LOT 2</b> )	04/No.
3.	Servers 2x48 GB GPUs with accessories ( <b>LOT 3</b> )	02/No.
4.	AI / ML / DL Switches (Along with accessories and allied equipment) ( <b>LOT 4</b> )	02/No.
5.	Next Generation Firewalls with WAF (Along with accessories and allied equipment) ( <b>LOT 5</b> )	02/No.
6.	Dry Battery for UPS ( <b>LOT 6</b> )	30 Nos

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**DETAIL SPECIFICATIONS**

**OBJECT BASED STORAGE (OBS – LOT 1)**

**Object Based Storage – 0.6 Petabyte usable (Dell/Cloudian/ HP/IBM/ US Brands or Equivalent)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
1	Storage Servers (Nodes) DELL/CLOUDIAN or equivalent (Including all required software, accessories & allied equipment )		<p>1 - Offered object storage should be a hardware appliance in which all hardware and software is offered and supported by a single OEM.</p> <ul style="list-style-type: none"> <li>• 0.6 PB Usable Object Based/Distributed with synchronous/asynchronous replication with existing PR storage</li> <li>• OEM Vendor must be listed as top three leaders as Object based Storage provider in latest Gartner report. Reports must be submit in technical proposal.</li> <li>• Each node should support all storage services and work as controller node not as expansion node.</li> <li>• Object based storage should have unlimited scaling out capabilities in a single cluster.</li> <li>• Support 100G Connectivity.</li> <li>• Deployment service for the initial installation of the HW &amp; SW components</li> <li>• Provide multiple endpoints from the same namespace.</li> <li>• Support online node additions to cluster with no impact on data availability automatic rebalancing of data.</li> <li>• OEM Vendor must have registered offices in all Major cities of Pakistan along with parts availability.</li> <li>• 36 Month 24x7 Support, Part replacement</li> </ul> <p>The object storage must be certified by FIPS, as per NIST standard. Certificate should be added in Technical Proposal.</p>
		05/NO	<p>2. Storage Should be Fully Symmetric and fully distributed clustered Architecture as Scale-Out Object Platform</p> <p>Minimum 1,030 TiB usable capacity and 5 Active-Active Storage controllers/Storage Nodes with Intel CPUs must be provided.</p> <p>Nodes should be based on the Intel platform. And the offered storage should be an appliance, ie all hardware and software should be from the same storage OEM</p> <p>Storage should have capacity of scaling to hundreds of petabytes within a single namespace.</p> <p>Storage should be configured with no data loss or data unavailability in the case of both scenarios</p> <p>(a) 4 simultaneous drive failures or</p> <p>(b) 1 node/controller failure</p>

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

			3. Object Storage shall scale by dynamically adding additional nodes to system. The upgrades should be carried out non-disruptively online with support for automated data rebalance across the nodes. It should support; (a) Nodes of different generations (e.g., different processors and disk configurations) must be supported in same object storage system. (b) Added capacity shall be immediately available in advance of any internal rebalancing of existing data.
			4. Object storage system must support a multi-site active-active architecture where data can span across multiple geographic locations, and provide a global namespace with anywhere read and write access.
			5. All nodes of the object storage system must process write requests and write to different sets of disks to take advantage of all spindles and NICs in cluster.
2	Access Protocols		1. Object Storage shall support protocols like S3, S3a, Swift, NFS, CIFS, HDFS, and must support multi-access, allowing same data to be accessed simultaneously via 2 or 3 protocols at the same time. Access to the Object Storage should not be limited to a single writer at a time. (a) NFS, S3 and HDFS (b) NFS, OpenStack Swift and HDFS
			2. Object storage system should support Active Directory/LDAP integration and should support OpenStack Keystone identity services when utilizing the OpenStack Swift API.
3	Compliance and Data Lifecycle Support		1. Object Storage must be certified as supporting SEC Rule 17a-4(f) and CFTC 1.31(b)-(c) standard for electronic record storage. Should be validated by 3rd Party.
			2. Object storage should support IAM (Identity and access management) with object tagging to enable granular access to resources.
			3. Object Storage shall have ability to set default retention periods for different categories of objects/content in case application(s) cannot specify retention period.
			4. Object storage shall allow users to specify expiration policies so that data is automatically removed from the system after defined interval without additional user or application interaction.
			5. Object Storage shall allow a set retention period when object is first archived and then a specific retention period when triggered by known event (e.g. set retention period of image for X years after an image has been approved for storage).
			6. Object Storage shall allow hold to be set on a specific object to prevent deletion until hold is released even if it exceeds the object's retention period (e.g. due to litigation/lawsuit at court).
			7. Object Storage shall support the Amazon S3 interface to store, retrieve and retain record objects including: (a) Set a policy for a Namespace with a retention period that can be applied to an object by using the policy name when storing a record object storage. (b) Set and extend a retention period for a Bucket which will then be used as one of the means for determining the retention period for all record objects stored by S3 in the Bucket and set a retention period for each record object sent to object storage. (c) Support for multi – part upload of large files.
4	Data Access and Protection		1. Object Storage shall protect all objects with Erasure Coding without the dependencies of RAID storage. And the erasure coded data should be encoded equally efficiently, regardless of object size. Object metadata

Government of Pakistan  
Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

			should be stored as 2 or more copies, so operations are not hampered due to any rebuild operation on metadata
			2. Object Storage shall be WAN optimized by protecting data from local failures using Erasure Coding and from site failures using replication. Object Storage shall support multiple sites (greater than 2).
			3. Object Storage shall allow any object to be accessed from any node at any site with most recent version of data always available (strong consistency) to the requestor.
			4. Object Storage shall support metadata indexing and search, with ability to apply unlimited metadata tags to the object.
			5. Object Storage must recover from any disk or node failure without connectivity dependency to remote sites. (a) All disk and node rebuilds should leverage protection from within the same site so as to avoid consuming expensive and limited WAN bandwidth and minimize rebuild times during rebuild operations. (b) On disk or node failure, Object Storage shall redistribute exposed data across as many drives and nodes as possible to take advantage of multiple spindles and minimize data exposure.
			6. Object Storage shall support encryption of all object data, at rest and in-flight.
			7. Object Storage shall provide versioning capability to protect and record Object-level changes.
			8. To provide heightened security, Object Storage should allow administrators to disable access to the underlying OS without impacting administrative and end-user APIs and functions. It should also allow lockdown of ports not in use to ensure greater security.
			9. Object storage shall support S3 Select supporting Query pushdown for object formats CSV, JSON, Parquet
5	Management		1. Object Storage shall be managed and monitored via integrated UI, CLI & RESTful APIs.
			2. Object Storage shall support multi-tenant architecture including ability to apply quota limits on specific sections within the object store.
			3. Object Storage shall support metering capabilities including reporting on capacity, object count, and bandwidth.
			4. Object Storage should also provide for REST API for more advanced monitoring and auditing capabilities.
			5. Object storage system should support audit trails through the management GUI.
			6. Object Storage shall support SNMP and Syslog protocols to provide information related to object storage.
			7. Object storage must support Storage-as-a-Service tenants, detailed metering, self-service portal, multi-tenancy, and consumption intelligence.
6	Ransomware		1. An option for future integration, Storage should be able to have protection from ransomware via real-time protection providing a single pane of glass to detect, alert, lockout and protect data regardless of where it is stored. 2. Should have capabilities to have Air-Gap protected vault if required in future.
7	Warranty		3 years comprehensive OEM onsite warranty.
8	Investment Protection		Storage System quoted by the OEM to be in the Leaders Quadrant in the latest Gartner Magic Quadrant for Distributed File and Object Storage Arrays Report or Storage System OEM should be in the Top5 Global latest revenue report from IDC for last 3 years minimum.

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**Virtualization Software stack & Backup Software**

1. Virtualization software stack for all servers
2. Complete backup software for primary site along with OBS, AI/ML & Virtual Environment's



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**Enterprise Class Servers**  
**(Along with accessories and allied equipment) (LOT 2)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
2	Enterprise Class Servers (Including all required software, accessories & allied equipment )  Detailed Specs are in the next column but equivalent solution or higher will be acceptable	04/NO	CPU 2x Intel(R) Xeon(R) Gold 6338 (28C Latest Gen) or latest
			Memory 512G system memory
			Storage 4x 3.5T SSD
			BIOS/iDRAC 1.9.0/6.0.0.0
			BOSS S2 Controller Card with 2 M.2 240 GB (Raid 1)
			04 10G Interface
			CPU 2x Intel(R) Xeon(R) Gold 6338 (28C Latest Gen) or latest
			Memory 512G system memory
			Storage 4x 3.5T SSD
			BIOS/iDRAC 1.9.0/6.0.0.0

**Servers 2x48 GB GPUs with accessories (LOT 3)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
3	<b>Servers 2x48 GB GPUs with accessories</b>  Detailed Specs are in the next column but equivalent solution or higher will be acceptable	2 /NO	CPU 2x Intel(R) Xeon(R) Gold 6338 (28C Latest Gen) or latest Memory 512G system memory Storage 1x 3.5T SSD BIOS/iDRAC 1.9.0/6.0.0.0 Operating System Ubuntu GPU 2 X 48GB BOSS S2 Controller Card with 2 M.2 240 GB (Raid 1) 04 10G Interface

**AI / ML / DL Switches (Along with accessories and allied equipment) (LOT 4)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
4	AI / ML / DL Switches (Along with accessories and allied equipment)  Detailed Specs are in the next column but equivalent solution or higher will be acceptable	02/No	<ul style="list-style-type: none"> <li>• 100G Ethernet Switch</li> <li>• RDMA and ROCE v2, Support</li> <li>• 32 x 100G Ports Minimum (or above)</li> <li>• 6.4 Tbps Throughput, Forwarding capacity</li> <li>• L2, L3 Forwarding</li> <li>• 32 x DAC Cables along with SFPs (as per design), 2 x 40G QSFP+ Cable 5m</li> <li>• SDN Support</li> <li>• 03 years Warranty &amp; Support</li> </ul>

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**Next Generation Firewalls with WAF (Along with accessories and allied equipment) (LOT 5)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
5	<p><b>Next Generation Firewalls with WAF (Along with accessories and allied equipment)</b></p> <p>Detailed Specs are in the next column but equivalent solution or higher will be acceptable</p>	02/No	<ul style="list-style-type: none"> <li>• Must Support Both Agentless And Agent Based Solution</li> <li>• Must Have Physical Appliance To Ingest All The Passive Network Traffic From Core Switch</li> <li>• Must Support Appliance Probe With 1Gbps Throughput Per Second</li> <li>• Must Have Controller to Centralized the Passive Network Traffic</li> <li>• Must Support On-Premise Controller with CPU 16 core, Physical memory 96G, System disk SSD 128G, Data hard drive capacity SATA 4Tx8 with Disk Capacity of Minimum 2TB Capacity.</li> <li>• Must Support On-Premise Virtual Controller Analysis With 5000 Events Per Second</li> <li>• Must have (File threat detection, AI powered Malware Detection, Anti-malware, Anti-virus engine, Including Security Detection, Website attack detection, Vulnerability exploitation attack detection, Botnet detection, Access Detection (Normal access, Unauthorized access), Protocol Audit (Http, DNS, SMB, Mail, AD domain protocol audit).</li> <li>• Must Quote 3 Year Complete Security Features License Must Quote 3 Year Software Upgrade</li> <li>• Must Quote 3 Year 24x7 Technical Support</li> <li>• Must Quote Onsite Configuration &amp; Installation</li> <li>• Must Quote Onsite Training 2 Participants</li> </ul> <p><b><u>Software Features Requirements</u></b></p> <ul style="list-style-type: none"> <li>• Support To Display Attacks In Real-Time (Details Mode In Security Alert)</li> <li>• Must Support Threat Detection, Simplify Threat Hunting And Response</li> <li>• Must Have Mitre Att&amp;Ck Framework Dedicated Dashboard</li> <li>• Must Be Able to Scale Up Based on Changes in Scope</li> <li>• Must Be Able to Support Working on Virtual Environment</li> <li>• Must Support Secure Web-Based Administration Console</li> <li>• Must Support Detailed User Activity Auditing</li> <li>• Must Support Alerting Capabilities for Vulnerabilities</li> <li>• Must Support to Send Email Alerts to Authorized Users When an Event occurs</li> <li>• Must Support to Send Mobile Alerts to Authorized Users When a Major Event occurs</li> <li>• Must Support to Filter Results in Reporting by A Variety of Criteria to Include Asset Lists, 6Repositories, Addresses, Vulnerability Types, Raw Text, And Date Fields</li> <li>• Must Support to Generate Asset Lists Based on Any Device Making Network Connections</li> <li>• Must Support to Constantly Update List of Live Assets in the Local Network</li> <li>• Must Support Several Algorithms of Artificial Intelligence</li> </ul>

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

			<ul style="list-style-type: none"> <li>• Must Support Several Techniques of Machine Learning, Deep Learning and etc.</li> <li>• Must Support to Identify Old &amp; Known Attack with Signature Database &amp; Behavior Analysis</li> <li>• Must Support to Identify New &amp; Unknown Attack Behaviors with Behavior Analysis</li> <li>• Must Support to Identify Any Anomalous Behavior &amp; Highlight the Abnormal Event Realtime</li> <li>• Must Support to Group the Anomalies Intelligently by Level of Criticality</li> <li>• Must Support Real-time Correlation to Identify Attacks</li> <li>• Must Support to Block &amp; Quarantine Suspicious Activity</li> <li>• Must Support to Monitor Endpoint Behavior</li> <li>• Must Support Automatic Response to Security Events such as Isolating Infected Machines, Blocking IP Addresses and etc.</li> <li>• Must Support Realtime Detection of Botnet and Command &amp; Control Traffic</li> <li>• Must Support to Identify Unusual Access to Network &amp; Unusual Use of Privileged Accounts</li> <li>• Must Have Web User Interface for The Visualization of Threats In 3D With Realtime Event</li> <li>• Must Support Realtime Traffic Identification &amp; Active Scanning for Assets</li> <li>• Must Support Multi-Dimensional Fuzzy Clustering Algorithm to Aggregate a Large Number of External Attack Logs into a Small Number of Attack Events</li> <li>• Must Support to Restore Attack Chain with Source Info, Protocol, Application Used and etc.</li> <li>• Must Support Automated Investigation to Reduce Investigation Time &amp; Root Cause Analysis</li> <li>• Must Support Integration With 3rd Party Device Integration (Cisco, FortiGate, Palo Alto and Sangfor)</li> <li>• Must Support Clustering Mode For Scalability</li> <li>• Must Support User Define Security Incident And Security Alert</li> <li>• Must Be Able to Restore Backup Configurations Back to Virtual Controller</li> <li>• Must Be Non-Intrusive Architecture Solution Which Never Degrade Network Performance</li> </ul> <p>Must Be Non-Disruptive Architecture Solution Which Never Cause Downtime</p>
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Ministry of Information & Broadcasting  
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			<ul style="list-style-type: none"> <li>• Must Be Listed in 2021 Gartner Magic Quadrant for Next Generation Firewall</li> <li>• Must Be Listed in 2021 ICSA Labs Certified Next Generation Firewall</li> <li>• Must Be Listed in 2021 Cyber Ratings for Enterprise Firewall</li> <li>• Must Have Minimum NGFW 5 Gbps Throughput (FW + SA +BM + IPS)</li> <li>• Must Have Minimum WAF 3.85 Gbps Throughput</li> <li>• Must Have Minimum 4.2 Gbps Threat Protection Throughput (FW + SA +BM+ IPS + Antivirus)</li> <li>• Must Have Unrestricted Concurrent User</li> <li>• Must Have Minimum 64GB SSD Storage Capacity</li> <li>• Must Have Minimum 2 x 10G SFP+ Ethernet Interfaces</li> <li>• Must Have Minimum 6 x 1G Ethernet Interfaces</li> <li>• Must Have Minimum 2x 1G Fiber SFP Interfaces</li> <li>• Must Have Minimum 1 Network Modules Slot for future expansion</li> <li>• Must Include Intrusion Prevention System (IPS), Anti-Virus &amp; Anti-Malware, Email Security Protection, Cloud-Based Security Sandbox, Web Filtering, Anti-Brute force attack Application Control, Bandwidth Management</li> <li>• Must Quote Minimum 100 Concurrent Users for SSL VPN</li> <li>• Must Support Real-Time Vulnerability Scanner</li> <li>• Must Support IPS signature over 9000+ entries on premise admin able to customized IPS signature, search based in CVEID, Vulnerability Name and threat level.</li> <li>• Must support a dedicated account protection module to identify the abnormal usage of user accounts and support detection of weak password, brute-force attack.</li> <li>• Built-in SOC monitor for visibility</li> <li>• Must Quote 3 Year Complete Security Features License</li> <li>• Must Quote 3 Year Software Upgrade &amp; 24x7 Technical Support</li> <li>• Must Quote 3 Year Hardware Warranty Service</li> <li>• Must Quote OEM Onsite Configuration &amp; Installation</li> <li>• Solution Can Be Hardware Appliance OR Software Module in Quoted NGFW Above</li> <li>• Must Be Listed in Any Year NSS Labs for Web Application Firewall</li> <li>• Must Have Minimum 3.85 Gbps Web Application Firewall Throughput or more</li> <li>• Must Include AI-Based Machine Learning Threat Detection, IP Geolocation, Data Leak Prevention, Brute Force Protection, HTTP Header Security, Custom Error Message, Error Code Handling and Local Report Center</li> <li>• Must Include Application Attack Protection, OWASP Top 10 Protection, Cross Site Scripting, SQL Injection, Cross Site Request Forgery, Session Hijacking, Built-in Vulnerability Scanner, File Upload Scanning with Anti-Virus and Cloud-Based Sandbox</li> <li>• Must Quote 3 Years Complete Security Features License</li> <li>• Must Quote 3 Years Software Upgrade</li> <li>• Must Quote 3 year 24x7 Technical Support</li> <li>• Must Quote 3 Years Hardware Warranty Service If Propose Hardware Appliance</li> <li>• Must Quote Onsite Configuration &amp; Installation</li> <li>• Must Quote Onsite Training &amp; Product Certification For 2 Participants</li> </ul>
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**Dry Battery for UPS (LOT 6)**

Sr. No.	Solution / Equipment	QTY	Description of Scale-Out Storage Specifications
2	<p>Dry Battery for UPS</p> <p>Detailed Specs are in the next column but equivalent solution or higher will be acceptable</p>	30/NO	<p>12v/40AH VRLA Dry Battery</p> <p><b>Number of voltage 12v</b></p> <p><b>Number of cell 06</b></p> <p><b>Design life 10 Years</b></p> <p><b>Nominal Capacity 77F (25C)</b></p>

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**Annex - D**

**(INTEGRITY PACT)**

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS  
OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Contract No. \_\_\_\_\_  
Contract Value: \_\_\_\_\_  
Contract Title: \_\_\_\_\_

Dated \_\_\_\_\_

.....[name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

**Name of Buyer: .....**

**Name of Seller/Supplier: .....**

**Signature: .....**  
[Seal]

**Signature: .....**  
[Seal]

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**LETTER OF INTENT: BID FORM-01**

Bid Ref. No.: \_\_\_\_\_ Date of the Opening of Technical Bid: \_\_\_\_\_

**Name of the Contract:** \_\_\_\_\_

**To: PROJECT DIRECTOR, CENTRAL MONITORING UNIT (CMU)-DEMP**

Dear Sir/Madam,

Having examined the bidding documents, including Addenda No(s) [insert numbers & Date of individual Addendum], the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the Goods under the above-named Contract in full conformity with the said bidding documents and at the rates/unit prices described in the price schedule provided in Financial Bid or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our Financial Bid is accepted, to deliver the Goods in accordance with the delivery schedule specified in the schedule of requirements.

If our Financial Bid is accepted, we undertake to provide a performance security/guarantee in the form, in the amounts, and within the times specified in the bidding documents.

We agree to abide by this bid, for the Bid Validity Period specified in the bidding documents and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Financial Bid you may receive. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in Pakistan.

We confirm that we comply with the eligibility requirements as per ITB clauses 18 & 19 of the bidding documents and have duly provided bid security @ 2% of the total bid value, in the shape of pay order/demand draft/ call deposit in the name of \_\_\_\_\_ with our Financial Bid.

\*We also confirm that if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the contract and the composition on the constitution of the joint venture shall not be altered without the prior consent of the President's Secretariat

\*[This clause does not apply if bidder is a single firm]

**Signed:** \_\_\_\_\_

**In the capacity of:** \_\_\_\_\_ [insert: title or position]

**Duly authorized to sign this bid for and on behalf of:** \_\_\_\_\_ [Insert: name of Bidder]

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Ministry of Information & Broadcasting  
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**DOCUMENTARY EVIDENCE: BID FORM-02**

**Name of the Firm:** \_\_\_\_\_

**Bid Reference No:** \_\_\_\_\_

**Date of opening of Bid.** \_\_\_\_\_

Documentary evidence for determining eligibility of the bidders & evaluation of bids. Bidders should only initial against those requirements that they are attaching with the form. Bidders are required to mention the exact page number of relevant document placed in the Bid. Bidders are advised to attach all supporting documents with this form in the order of the requirement as mentioned in column-1.

**Bidders are required to mention the exact page number of relevant document placed in the Bid.**

<b>Required Documentation</b>	<b>Initials of the Bidder</b>	<b>Supporting Document's Name</b>	<b>Page Number in the Bid</b>
<b>Column:1</b>	<b>Column:2</b>	<b>Column:3</b>	<b>Column:4</b>
1. NTN Certificate			
2. GST Certificate			
3. On Active Tax Payers List of FBR			
4. Registration/Incorporation/Business Certificate			
5. Complete Company profile			
6. Experience of Firm (Assignments of similar nature)			

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

7. Original Manufacturer's Authorization Letter			
8. Bid Validity Period of 60 days			
9. Affidavit that the bidder is not blacklisted by any Federal, Provincial Public Sector Organization			
10. Compliance with Schedule of Requirements			
11. Submission of required amount of Bid Security with Financial Bid			
12. Compliance with Technical Specifications			
13. Technical Brochures/Data Sheets			
14. Manufacturer's warranty: 03 year and Onsite Support			
15. Original Bidding Documents duly Signed/Stamped			
16. All documents should be properly Tagged/labelled			



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**MANUFACTURER'S AUTHORIZATION: BID FORM-03**

**To: PROJECTDIRECTOR  
CENTRAL MONITORING UNIT  
(CMU)-DEMP Islamabad**

WHEREAS [name of the Manufacturer] who are established and reputable Manufacturers of [name and/or description of the goods] having factories at [address of factory] do hereby authorize [name and address of Supplier/Agent] to submit a bid, and subsequently sign the Contract with you against the Invitation for Bids (IFB) No.\_\_\_\_for the goods manufactured by us.

We here by extend our full guarantee and warranty as demanded for the goods offered for supply by the above firm against this Invitation for Bids.

**Signature: -----**

**Designation: -----**

**Official Stamp: -----**

*\*\*\* [This letter of authority should be on the letter head of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid].*

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**FIRM'S PAST PERFORMANCE: BID FORM-04**

**Name of the Firm:** \_\_\_\_\_

**Bid Reference No:** \_\_\_\_\_

**Date of opening of Bid:** \_\_\_\_\_

**Assessment Period:(Minimum 03Years)**

<b>Name of the Purchaser/Institution</b>	<b>Purchase Order No.</b>	<b>Description Of Order</b>	<b>Value of Order</b>	<b>Date of Completion</b>	<b>Purchaser's Certificate</b>

- Bidders may use additional Sheets if required.
- All certificates are to be attached with this form.

**Signature:** -----

**Designation:** -----

**Date:** -----

**Official Stamp:** -----

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**FINANCIAL DETAILS: BID FORM-05**

**Name of the Firm:** \_\_\_\_\_

**Bid Ref. No:** \_\_\_\_\_

**Date of opening of Bid.** \_\_\_\_\_

S.#.	Name of the Item	Unit Price (Inclusive of all applicable taxes)*	Qty	Final Total Price (Inclusive of all applicable taxes)
1	2	3	4	5
				(3x4)
Total Price (Inclusive of all applicable taxes)				

User Note: This form is to be filled by the Bidder for each individual item and shall submit with Financial Bid.

\*The quoted price should include the delivery/installation charges.

**FINAL TOTAL PRICE (in words):** \_\_\_\_\_

**Signature:** -----

**Designation:** -----

**Date:** -----

**Official Stamp:** -----

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**PERFORMANCE GUARANTEE – BID FORM 06**

To: **Ministry of Human Rights, Islamabad**

Whereas [Name of Supplier] (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No.[number] dated [date] to supply [description of goods] (hereinafter called “the Contract”). And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a scheduled bank for the sum of 10% of the total Contract amount as a Security for compliance with the Supplier’s performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee:-

Therefore, we hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [Amount of the Guarantee in Words and Figures] and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [Amount of Guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_.

**Signature and Seal of the Guarantors/Bank** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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Ministry of Information & Broadcasting  
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**CONTRACT AWARD LETTER - BID FORM-07**

**Bid Ref No.:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name of the Tender:** \_\_\_\_\_

**Dear Sir/Madam,**

**AWARD OF CONTRACT**

Having examined your technical bid for the above-mentioned tender through technical evaluation dated : \_\_\_\_\_ and evaluation of financial bid opened on \_\_\_\_\_ Ministry of Human Rights has decided to award the contract to your company. Draft agreement including all the terms and conditions enclosed below, in this regard are being shared with you, you are advised to review it and if agreed, come to Ministry of Human Rights for signing of the agreement.

**(Signature and Stamp)**

**Dated** \_\_\_\_\_

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Ministry of Information & Broadcasting  
DIRECTORATE OF ELECTRONIC MEDIA AND PUBLICATIONS

**FORM OF CONTRACT AGREEMENT**

THIS CONTRACT AGREEMENT (hereinafter called the “Agreement”) made on the \_\_\_\_\_ day of \_\_\_\_\_ 200 \_\_\_\_ between \_\_\_\_\_ (hereinafter called the “Employer”) of the one part and \_\_\_\_\_ (hereinafter called the “Contractor”) of the other part.

WHEREAS the Employer is desirous that supply and commissioning of IT Equipment herein after called “Work” , viz \_\_\_\_\_ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such supply and commissioning of IT Equipment and the remedying of any defects therein.

NOW this Agreement witnesses as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:
  - a) The Letter of Acceptance
  - b) The completed Form of Bid along with Schedules to the Bid
  - c) Conditions of Contract & Contract Data
  - d) The priced Schedule of Prices
  - e) The Specifications
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the supply and commissioning of IT Equipment and remedy defects therein in conformity and in all respects within the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
5. IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

**Signature of the Contactor**

(Seal) \_\_\_\_\_

**Signature of the Employer**

(Seal) \_\_\_\_\_

**Signed, Sealed and Delivered in the presence of:**

**Witness:**

(Name, Title and Address)

**Witness:**

(Name, Title and Address)