



**REQUEST FOR PROPOSAL**

**FOR**

**OPERATIONS & MAINTENANCE OF VIDEO SECURITY &  
SURVEILLANCE SYSTEM OF SINDH POLICE  
COMMAND & CONTROL CENTER AT CENTRAL POLICE  
OFFICE & REGIONAL COMMAND & CONTROL CENTER**

**October 2019**

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

*Note: The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.*

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## INVITATION TO BID

The Sindh Police (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for purchase of **“Operations & Maintenance of Video Security & Surveillance System of Sindh Police Command & Control Center at Central Police Office & Regional Command & Control Center”** as complete turnkey solution, according to the scope of work mentioned in this document.

1. The Purchaser requests Tender Bids on prescribed form in sealed envelopes along with information required therein. Proponents applying for bids shall submit duplicate Financial Proposal and Technical Proposal in two separate envelopes.
2. The bidder is requested to do the survey at their own cost before submitting any bid. Bidders will not be allowed to make any changes in the proposal afterwards.
3. The bidder must quote for the complete scope of work. The bid offering partial scope of work shall be rejected as non-responsive.
4. Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of bidders is drawn to the provisions of Clause on “Determination of Responsiveness of Bid” regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Documents.
5. The Technical Proposal should contain all the bid items without quoting the price and must list of clients and details of past major security surveillance projects in Pakistan of similar outdoor city-wide video security surveillance project along with the copy of the Purchase Orders from the clients. The purchaser may also require submission of CV's of the engineering team. Financial bids of firms not obtaining minimum passing criteria during Technical Evaluation will not be opened.
6. Interested eligible bidders may obtain further information on the bid and inspect the bidding documents at the office of Director Information Technology, Central Police Office, I.I Chundrigar Road Karachi.
7. A complete set of bidding documents may be Obtained by any interested eligible bidder from office of Director Information Technology, Central Police

Office I.I Chundrigar Road Karachi upon payment of a non-refundable fee of Rs. 2000/-, up-to 15.11.2019 @ 10:00 A.M.

8. All bids must be accompanied by a bid security of 5% of total bid amount, and must be delivered to the office of the Director Information Technology, Central Police Office at the above given address on or before 15.11.2019 @ 1400 Hours..
9. The bids will be publicly opened in the Committee Room of POLICE DEPARTMENT at 15.11.2019 @ 1430 Hours on the same day in presence of bidders, who wish to remain present.
10. The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
11. Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids and/or any options will not be considered. The attention of bidders is drawn to the provisions of Clause 2 regarding the rejection of Bids, which are not responsive to the requirements of the Bidding Documents.
12. As authority competent to accept the tender, the procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, as per SPPRA Rules, 2010.
13. All prices quoted must include any Taxes applicable, such as Income Tax/Sales tax/custom duties, Sindh Revenue Tax etc. If not specifically mentioned in the Quotation, then it will be presumed that the prices include all the taxes.
14. Execution/installation of all the components of the Bid will be on sites, lists of sites are mentioned in the RFP document.
15. Failure to Complete the Task within the stipulated time period will invoke penalty of 0.025% of the total cost per week of the delayed portion/services. In addition to that, in case of constant failure of the defined service level agreement in the contract, the Performance Guarantee will be forfeited and the company will not be allowed to participate in future tenders as well. The delay due to unforeseen problem/circumstances and due to law and order situation the contract period can be extended on request for 3 months or more, with the ground justifications in writing, if an extension is considered necessary by competent authority. After the completion period if the Project is not completed in grace period the contract will be terminated and Performance Guarantee

amount will be forfeited and the company will not be allowed to participate in future tenders as well as per rules.

16. The procuring agency (Police Department) reserves the right to increase or decrease the quantity for any equipment mentioned in the tender document at any time, before signing of the contract, as per rules.
17. Upon finalization of procurement process and selection of the bidder, the procuring agency (Police Department) reserves the right to increase/decrease and change the location locations at the time of installation/implementation with the approval of competent authority and mutual consent with the contractor as per the provision given in the contract.
18. The bidder must provide warranty in case of supply replacement/repair the equipment as per the tender specifications.
19. No deviations will be allowed from the required specifications unless technically necessary and essential and without financial implication and without prior approval of the purchaser. Vendors may however provide equipment with higher specifications for Operations and Maintenance.
20. The bidder should clearly mention the Terms and Conditions of service agreements preferable in form of draft for the supplied hardware equipment after the expiry of initial warranty period.
21. Bidder should provide the complete schedule / plan of the project in MS Project or Primavera, which shall contain a detailed implementation plan and schedule of all the activities related to the successful maintenance of the project.
22. The bidder will be responsible for maintenance of all including civil works, power infrastructure works such as Poles, Command and Control Center and all remote terminal installations (outdoor and indoor equipment's) as per locations indicated in the document
23. The Connectivity (Fiber / wireless network) will be tested through industry recognized standards. The bidder will be responsible for the provision and subsequently maintenance of Optic Fiber Connectivity between remote sites, aggregation , regional and central command and control center at CPO.
24. The Connectivity (Fiber / Wireless Network) equipment's manufacture should have proven track record in outdoor Video Security surveillance deployment, with all details verifiable by Sindh Police.

25. Bidder shall submit comprehensive connectivity plan of the network including backhauling and back up of the Network and Survey report in technical proposal.
26. Every page of this tender document indication technical and financial bid should be signed and stamped by the bidder.
27. All equipment's quoted for the solution by the bidder must be renowned internationally branded equipment's.
28. Upon demand by purchaser, bidder should provide a comprehensive diagram of advance video management solution, command & control software and hardware, NVR and Video storage equipment its network diagram showing the working of the process of video management and video storage along with the software. The bidder should also be capable of maintaining the functionalities of analytic software.
29. The Sindh Police CCTV system is based on an open standard architecture integrated system with IP network centric functional and management architecture aimed at providing high-speed manual/automatic operation for best performance.
30. Successful bidder will abide the rules and regulations and will not publicize any details regarding the project in Press and Electronic media.
31. Responsibility of Operations & Maintenance: Any fitting or items which may not be specially mentioned in the specification but which are necessary for running the Operations & Maintenance of the equipment as per the list provided as Annexures will be responsibility of the bidder.
32. All bids shall be evaluated in accordance with the evaluation criteria and other terms and conditions set forth in the bidding documents.

Director Information Technology  
Sindh Police



## RFP TERMINOLOGY

In this RFP, the following terms shall be interpreted as indicated:

- **"Company"** means a Firm, a Bidder, a JV/Consortium.
- **"Commencement Date of the Contract"** means the date of signing of the Contract between the Purchaser and the Contractor.
- **"Contract"** means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- **"Contract Price"** means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
- **"Contractor"** means the Individual or Firm or Company whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.
- **"Contract Value"** means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the operations & maintenance of video security & surveillance system of Sindh police command & control center at CPO & Regional Command Center.
- **"Joint Venture"** means a bidder and a Lead bidder, not more than 2 companies, will be jointly evaluated unless specified in the RFP. Both companies will be jointly and severally liable for the project and same shall be specifically mentioned in the registered JV agreement. The local partner should be the lead bidder.
- **"Purchaser"** means the Information Technology Department, Sindh Police, Karachi - Pakistan.
- **"Project"** means the Operations, Maintenance of the existing city surveillance, Network Operation Center, Data Center, Command and Control at CPO and Regional Command Center, and other field sites under the control of Sindh Police.
- **"Services"** means services, such as Operations, Maintenance, Provision for Connectivity, testing and other such obligations of the Contractor covered under the Contract.
- **"Works"** means all Software / Hardware to be provided and services to be rendered & work to be done by the Contractor under the Contract.
- **"SPPRA 2010"** means Sindh Public Procurement Rules 2010.
- **"SPPRA"** means Sindh Public Procurement Regulatory Authority established under Section 3 of Sindh Public Procurement Act, 2009

## GENERAL

### SCOPE OF WORK

The main scope of work is the maintenance of the Existing Video Surveillance System and connectivity provision of Sindh Police Command and Control – CPO & Regional Command Center, Therefore, the RFP; “Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police office & Regional command & control center” is issued to well reputed firms having valid NTN, GST, SRB and Active Taxpayers.

The Sindh Police Department is planning to maintain and connect existing video surveillance facility for the City of Karachi to help in deterrence of terrorist acts and street crime, traffic monitoring, enhancement of VIP security, and improve overall public safety and security. This project is envisioned to be rolled out in connection with the already existing deployed project. The main scope covers the maintenance and connectivity of the Video Surveillance Project already installed at:

- Command and Control – CPO
- Command and Control – Regional

and other field sites, on (Day-to-day activity) for Hardware, software, field devices, services and works on “as is basis” as per the total number of sites under the scope of work mentioned in the RFP. The bidder has to maintain, operate a network and will be responsible for the repair/replace of non-functional equipment for 24 x 7 x 365.

Scope of bid contains the operations, maintenance of Command and Control at CPO & Regional, & other field sites, on (Day-to-day activity) Including the Provision of Connectivity as per the locations identified & as per the total number of sites under the scope of work mentioned in the RFP.

As a part of SLA Agreement, the bidder will install a Complaint Management System for efficiently solving the complaints and will become assets of Sindh Police.

As a part of this RFP the bidder will ensure a backup of 20% of the equipment at their warehouse in Karachi. Failure to ensure backup will result in cancellation of contract. During the contract period if cameras are found faulty, the vendor will replace the equipment with New equipment of similar or better specification meeting the minimum criteria of 5MP in case of Fix cameras.

The Services consists of both Technical, Human Resource and Support services. It includes the maintenance/repair/replacement of all kind of Sites, Equipment's, Connectivity, Upgradation/updates of Software and required licenses and all related accessories necessary for the 24 x 7 x 365 operation of the project. As part of

maintenance, the successful bidder shall be responsible to provide dedicated fiber connectivity between all sites and Command and Control Center.

The bidder is required to provide the services to make the Surveillance System operational 24 x 7 x 365 for the period of 3 years. Including the working of equipment's and the connectivity associated with it. The contractual period may be extended in case required by Sindh Police with mutual consent with the successful bidder.

The detail of existing equipment's and sites is attached in this RFP. The bidder is required to make the existing equipment's and project as operational/functional. To make it operational the bidder is required to repair the non-working units and to replace the equipment's where the equipment is not repairable.

#### COMPONENTS OF MAINTENANCE ACTIVITY

- Operation & Maintenance
- Pole Site Maintenance
- Data Center Maintenance
- Connectivity Maintenance
- Control Room Maintenance
- Consumables
- Technical Engineering Staff
  - Data Center Engineer
  - Network Engineer
  - CCTV Engineers
  - Technicians
  - Technical Support Staff

#### OPERATION & MAINTENANCE

The basic scope is to maintain and operate the video security and surveillance solution.

#### POLE SITE MAINTENANCE

- Connectivity maintenance at each site
- Camera, Encoders repair for each site, Brand of Cameras & Encoders are GeoVision & Vivotek (as and when required)
- PTZ Cameras which are not repairable will be replaced and shall be quoted separately as per the specifications listed in Annexure C.
- Fix Cameras which are not repairable will be replaced (limited to 20% maximum)
- Camera lens cleaning on regular basis or as and when required.

- Battery health and water level check on regular basis for each site.  
Replacement of battery at the end of life or when required
  - Maintenance and replacement (if not repairable) of UPS for each site
  - Maintenance and replacement (if not repairable) of switch at each site  
replacement should be with Manageable switch)
  - Maintenance of Boxes at each site and replacement where the boxes are irreparable.
  - Maintenance of Poles at each site and replacement where the boxes are irreparable.
  - Maintenance of patch cords and their wiring status for each camera sites
  - In case failure of Invertor/UPS , the replacement should be with UPS with Dry Batteries with minimum backup of 6 Hours.
- 
- Maintenance and replacement of all the parts or accessories required to make the site in working condition.

#### DATA CENTER MAINTENANCE

- Maintenance, repair and replacements of faulty parts of the servers
- Maintenance, repair and replacements of faulty parts of the storage
- Maintenance, repair and replacements of switches
- Maintenance, repair and replacements of viewing machines
- Maintenance of internal network
- Maintenance of Air Condition's, Accessories and fixtures deployed for the data center operations.
- Maintenance, repair of Chiller, bidder shall be quoted separately in case of replacement.

#### CONNECTIVITY MAINTENANCE

- Provision and Maintenance of Optic Fiber Connectivity within sites, aggregation sites and Central Command control center - CPO & Regional. Minimum bandwidth should be 50Mbps at Pole Site and aggregation with Dark Fiber with 10G or better for fluent streaming.
- The Quotation shall include the OTC (One Time Charges for installation) and MRC (Monthly Recurring Charges) separately
- Redundant connectivity is required with backup link for aggregation.
- Maintenance of Connectivity provided at Central Police Office Sindh.
- Maintenance of wireless connectivity (where required)

### CONTROL ROOM MAINTENANCE

- This includes the consumables required for maintaining the smooth operation of Video Security and Surveillance Projects.
- It includes but not limited to replacements of items small but necessary for the overall operation and performance like Batteries, small switches, power supplies of camera units, patch cords, electric item consumables, Extensions, media converters, ODF, power supply of servers, switches, generators servicing.

### TECHNICAL ENGINEERING STAFF

- 3 Nos. Resident Engineers (qualified & expert) for Maintaining Internal Network and Equipment's
- 3 Nos. Resident Technicians for Maintaining Internal Network and Equipment's
- 24 x 7 x365 availability Field Engineers for Maintaining sites as per required.
- 24 x 7 x365 availability Field Technicians for Maintaining sites as per required.

### List of Equipment – Command & Control Center

- Sindh Police Command & Control Center – CPO (Annexure attached)
- Sindh Police Command & Control Center – Regional (Annexure attached)

### Escalation Level of Maintenance

Urgent	Faulty equipment will be replaced within 4 Working Hour
Critical Hour	Faulty equipment will be repaired/replaced within 16 Working
Normal	Faulty equipment will be repaired within 24 Working Hour

## MODE OF BIDDING

- The firm or company (Bidder) must be an entity incorporated in Pakistan.
- A Bidder must submit an original proposal substantially responsive to the Technical Specifications included in the Bidding Documents.
- Provision for price escalation adjustment included in a bid shall not be taken into consideration.
- Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder(s) of any obligation to inform the affected Bidder(s) on the grounds for Purchaser's action.
- Purchaser reserves the right at the time of award to increase or decrease the scope and quantity of goods specified in the RFP as per SPRA rules.

## PROCUREMENT SCHEDULE

Activity Milestones	Dates
Release of RFP to Bidder	
Questions and Clarifications (If any) submitted by prospective bidder	
Purchaser's response to Questions and Clarifications Raised by Vendor (If any)	
Proposal Submission Timeline	
Technical Bid Opening	
Financial Bid Opening of Technically Qualified Bidders	
Contract Signing	

## BID BOND

A bid bond, in the shape of a Bank Draft/Pay Order/Bank Guarantee in favor of AIGP (Logistics), Police Department, Government of Sindh, equivalent to 5.0% of the total cost of bid should be submitted along with the tender. The bid bond will be returned on the submission of the Performance Guarantee.

## VALIDITY OF PROPOSAL

All proposal and price shall remain valid for a period of 120 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

## CURRENCY

All currency in the proposal shall be quoted in Pakistan Rupees (PKR).

### WITHHOLDING TAX, SALES TAX AND OTHER TAXES

The responding organization is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government. The responding organization will be responsible for all taxes on transactions and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it is requested to provide the relevant documents with the proposal.

### OEM RELATIONSHIPS & WARRANTIES

Where there is a need to supply CCTV Cameras (IP Megapixel/PTZ), Viewing Screens, Computer Hardware, servers, connectivity or Security (NVR equipment's) should have Local warranty, including parts and labor for the tenure of the project under contract.

The bid must also be accompanied by the following:

- a. An item wise bid mentioning the unit price and total price for the Operations & Maintenance as per scope of work on quarterly basis for the period of three (03) years.
- b. Specifications of the equipment being offered along with technical brochures.
- c. Warranty details of the equipment utilized for the operations and maintenance.
- d. An undertaking must be submitted by the bidder for the provision of the equipment as per the specifications (or higher) given in the RFP.
- e. The bidder must submit a detailed Work Plan for the operation& maintenance of Sindh Police Command & Control Center - CPO and Regional .

The bidder must submit a detailed survey report along with the network diagram for connectivity for all sites mentioned in the RFP with 24 x 7 x 365

### SUPPORT CAPABILITIES

The bidder should indicate the support capabilities for the Entire Solution provided on TURNKEY Basis:

Sr. No.	Item	Action Item	Response Time (in hours)
1.	Complete Solution on Turnkey Basis of "Operations & Maintenance of Video Security and Surveillance System of Sindh Police Command and Control Center at CPO and Regional".	Replacement of equipment	
		Repair of non-working equipment	
		Re-Configuration of equipment	
		Backup Replacement of equipment	

### COMPLIANCE TO SPECIFICATIONS

The bidder to provide information as per equipment list attached. The Bidder must propose components in their technical proposal. The purchaser is not bound to accept the lowest offer not fulfilling the requisite criteria. The reasons for rejecting the lowest or any offer shall not necessarily be communicated.

### FINANCIAL CAPABILITIES

The bidder shall describe the financial position of its organization. Income Statement or Annual Report should be included in the detailed Technical proposal.

### PENALTY CLAUSE

- It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will be ignored. In case of non-completion of supply within stipulated period Performance Guarantee will be forfeited in favor of the POLICE Department, Government of Sindh, and Karachi.
- An affidavit that the firm has never been blacklisted by any Government Department in Pakistan or abroad.
- Liquidated damages of 0.025% per week of the total cost of delayed portion of the equipment/service will be deducted for delayed delivery of Hardware/Software and Services.

### DELIVERY TIME & PAYMENT MODE

- The bidder should clearly indicate the duration of delivery/repair/replacement of equipment, fixation/installation, configuration and commissioning of the equipment as per attached scope of work with the RFP once the contract is awarded.
- The payment shall be released as per the invoice submitted by the bidder on Quarterly basis for Operating, Maintaining, Up-gradating/Update, works, services, connectivity as per defined in the scope of work. The bidder shall submit a monthly log report of each site as mentioned in the scope of work and



will bill on quarterly basis on the monthly maintenance reports functional sites on quarterly basis.

- The contract period is for three (03) years and the bidder shall submit the bills on Quarterly basis. which will be paid after completion of all codal formalities.

### COMMUNICATION / ENQUIRIES

Enquiries regarding this RFP shall be submitted in writing/email to:

Director IT,  
Police Department  
Central Police Office Karachi.  
Phone: 92-21-99212082  
Email: [ditcpo@gmail.com](mailto:ditcpo@gmail.com)

### MODE OF DELIVERY & ADDRESS

Technical & Financial proposals (2 copies each) should be submitted by 1400 hours on 15.11.2019 at the address given below.

Director IT,  
Sindh Police  
Central Police Office, I.I. Chundrigar Road, Karachi.  
Tel: +92-21-99212082

The technical proposals will be opened on the same day at 1430 hours at the same address. The bidder shall deliver 2 (two) copies of the technical & financial proposal each copy being physically separated, bound, sealed and labeled as “Technical bid for “Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police Office & Regional command & control center” & “Commercial bid for “Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police Office & Regional command & control center” (one master and one copy), labeled as such on their respective envelopes.

Proposals shall be delivered by hand or courier so as to reach the address given above by the last date indicated for submission. PROPOSALS RECEIVED BY FAX OR EMAIL SHALL NOT BE ACCEPTED.

Note: The Bank Draft for Bid Bond to be enclosed in a separate envelope, labeled as “Bank Draft (Bid Bond)”, and which should be sealed. Proof of Sales Tax and NTN numbers should also be provided. (Please provide photocopies of relevant documents).

## OPENING OF PROPOSAL

The Technical proposals submitted against the subject RFP will be opened on 15.11.2019 at 14:30 hours in front of the Technical Committee. The Financial bids of firms who score at least 80% on the technical evaluation (as a whole) will be opened in presence of the representatives who wish to attend the tender on date duly notified in advance to all participating bidders.

## TEAM & STAFFING

While selecting a staff member following should be considered and stated for each member:

- Relevant experience
- Role against relevant experience
- Over all contribution to the Implementation
- Experience with Public Sector / Government Organizations
- Qualifications
- Total Experience

The implementation team would play a pivotal role in the implementation of the systems and be responsible for harmonizing the business and other technology requirements. The Sample Form given in the relevant section should be used for providing CVs of staff to be deployed at the project.

## WARRANTY

The successful bidder shall warrant the equipment and its component to be free from original defects in material and workmanship for a minimum period of the project tenure Technical support should be available on call.

## RELEVANT EXPERIENCE

The bidder must demonstrate relevant experience of at least one project in Pakistan with similar nature, industry sector and geography. The bidder should provide the details of experience in similar projects according to the following format:

Sr. No.	Nature of Project	Total Value PKR (m)	Geography	Worth of Project	Name of the Project, Customer, Contact person & Contact Details

Note:

Only those Projects should be considered where the bidder can provide copy of contract and relevant documents in order to establish that the bidder has experience in execution, deployment, operations, maintenance and connectivity to the Client in Pakistan. (Photocopies of documents should be attached with technical proposal)

## PRELIMINARY EVALUATION CHECKLIST

The Bidder should fill out this Form by providing all the required information and Placing this Form on top of the Technical Proposal. Relevant portions of the Technical Proposal should be referenced in this form. Please note that all required information should be provided on this Form and document should be attached as reference where required.

## ELIGIBLE BIDDERS

This bidding process is open to all eligible firms invited by the Purchaser, subject to the conditions given below.

- The Bidder shall furnish, as part of its bid documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- The documentary, evidence of the Bidder's eligibility to bid shall establish to Purchaser 's satisfaction that the Bidder, at the time of submission of its bid, is a person, company, corporation or a severely and jointly liable joint venture registered or incorporated.
- Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

## QUALIFICATIONS OF THE BIDDER

Mandatory terms and conditions in addition to other terms and condition defined in the RFP. Bids will be rejected in case of noncompliance of any mandatory clause mentioned below and in the RFP:

## SUBCONTRACTING

The bidder must provide information of their sub-contractors at the time of contract signing. In case of any change of the sub-contractor, the bidder will notify the procuring agency for approval. However, the sub-contractor will not be taken into consideration for evaluation purposes.

## COST OF BIDDING

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser will in no case be responsible or liable for those costs.

## BIDDING DOCUMENTS

### CONTENTS OF BIDDING DOCUMENT

- The contents of the Bidding Documents should be read in conjunction with any addenda issued.
- Bidders are expected to examine all instructions, forms, terms, and other information in the RFP. Failure to furnish all information required by the RFP or to submit a bid not substantially responsive in every respect will be at the Bidder's risk and may result in the rejection of its bid.
- The Invitation for Bids does not form an official part of this RFP and is included for reference only. In case of inconsistencies, the latter shall prevail.

### PREPARATION OF BID

#### LANGUAGE OF BID

The bid prepared by the Bidder, and all correspondence and documents related to the bid, shall be written in the English language.

#### DOCUMENTS COMPRISING THE BID

The bid submitted by the Bidder shall comprise the following:

1. Eligibility Criteria forms duly filled out with all the relevant details;
2. Financial information of the bidders.
3. Documents establishing firm's eligibility and qualification, such as year of incorporation, list of partners/directors, statement of experience, key personnel, details of relevant projects etc.;
4. Response to the technical requirements as described in the RFP;
5. a Bid Form duly completed and signed by a person or persons duly authorized to bind the Bidder to the Contract;
6. Price Schedules duly completed in accordance with this RFP and signed by a person or persons duly authorized to bind the Bidder to the Contract;
7. bid bond in the form of a Bank Guarantee or Bank Draft/Pay Order should be submitted;
8. a duly notarized, written power of attorney (in case of Joint Venture);
9. an undertaking that the Bidder, or in case of a joint bid, any of the partners, has not been blacklisted by any government or public sector organization.
10. a duly notarized Integrity Pact on Rs. 100/- stamp paper - as per the specimen attached.
11. Bidders are reminded that their bids may be considered as non-responsive if material deviations are taken.

**Note:** all other documents/evidence required in RFP should be submitted

## BID PRICE

- Prices must be quoted, strictly using the format mentioned in BoQ of this RFP. Bidders may be required to provide a breakdown of any composite or lump-sum items included in the Price Schedules.
- Prices are based on providing the operations, maintenance, up-gradation/updates, connectivity, civil works, repair/replacement and any other cost associated to the functioning of Video Security and Surveillance System of Sindh Police Command and Control Center at CPO, Regional and all field sites as per defined scope of work mentioned in the RFP.
- Bid prices must be quoted as per the prescribed format attached in the RFP.
- These prices must include all incidental costs associated with the provision of the service, such as travel, subsistence, office support, communications, printing of materials, etc., and all taxes, levies, duties and fees imposed on the Bidder.
- Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to increases on any account. Bids submitted that are subject to price adjustment will be rejected.
- Escalation on account of currency devaluation may be allowed at the sole discretion of the Purchaser.

## BID CURRENCIES

All prices shall be quoted in Pakistan Rupees.

## DOCUMENTS ESTABLISHING THE CONFORMITY OF PROPOSED SOLUTION

The Bidder shall furnish, as part of its bid, documents establishing the conformity to the Bidding Documents of the proposed services that the Bidder proposes to “Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police Office & Regional command & control center” under the Contract.

The documentary evidence of conformity of the proposed services to the Bidding Documents shall be in the form of written descriptions, surveys, diagrams, and client references, including:

- a detailed description of the essential technical and performance characteristics of each component making up the proposed services;
- an item-by-item commentary on the Purchaser's Technical Requirements, demonstrating the substantial responsiveness of the proposed services offered to those requirements. In demonstrating responsiveness, the commentary shall include explicit cross-references to the relevant pages in the supporting materials included in the bid. Whenever a discrepancy arises between the item-by-item commentary and any catalogues, technical specifications, or other pre-printed

materials submitted with the bid, the item-by-item commentary shall prevail;

- a Preliminary Project Plan as required by the Purchaser and stated in the RFP; and,
  - a written confirmation that the Bidder shall accept responsibility for the successful Operations & Maintenance of Video Security and Surveillance System of Sindh Police of the proposed as required by the Bidding Documents.
- Bids for sub-systems or portions or part-solutions of the solution shall not be accepted.
  - Bids submitted without a satisfactory Project Plan may be rejected.

### BID VALIDITY & SECURITY

- A bid security will be required. The amount of bid security required is Five per cent (05%) of the Total Bid Price. This bid security is to be submitted in the form of Bank Guarantee or Demand Draft or Pay Order in favor of Purchaser. The Bid security shall be in Pak Rupees & from a scheduled bank in Pakistan.
- The bid validity period shall be one hundred and twenty (120) days after the deadline for bid submission.
- In exceptional circumstances, Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by fax). The bid security provided shall also be suitably extended. A Bidder granting the request will not be required nor permitted to modify its bid.
- Bid security must be valid twenty-eight (28) days after the end of the bid validity period. Accordingly, a bid with a bid security that expires before twenty-eight (28) days after the end of the bid validity period shall be rejected as non-responsive.
- Un-successful Bidder's bid security will be discharged/returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid security validity prescribed by the Purchaser.
- The successful Bidder will be required to keep his bid security valid till the agreement is signed with the Purchaser for the execution of the project. CDR will be returned on the provision of the Performance Guarantee in share of Bank Guarantee for the amount of 05% of the contract value.
- The bid security may be forfeited; if a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form.
- In the case of successful Bidder, if the Bidder fails to sign the Contract in accordance with relevant clauses, the bid security will be forfeited.

## FORMAT & SIGNING OF BID

- Separate technical and financial bids shall be submitted.
- The Bidder shall prepare one original and one (01) number of copy/set of the bid, clearly marking each one as "TECHNICAL BID - ORIGINAL", "FINANCIAL BID - ORIGINAL", "TECHNICAL BID - COPY," " FINANCIAL BID - COPY, as appropriate. In the event of any discrepancy between them, the original shall govern. The bidder shall also provide one soft copy (and one back up copy) of TECHNICAL BID.
- The original and copy of the bid shall be typed or written in indelible ink and shall be signed and stamped by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid.
- The bid shall contain no interlineations, erasures, or overwriting, except to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

## SUBMISSION OF BIDS

### SEALING & MARKING OF BIDS

- The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "TECHNICAL BID - ORIGINAL" and "TECHNICAL BID - COPY NO. 1" etc. Similarly, the original and copies of the financial bids shall be enclosed in separate envelopes and duly marked. The respective soft copies on CD shall be enclosed in the envelope containing ORIGINAL bids. The envelopes shall then be sealed separately in outer envelopes clearly marked –TECHNICAL BID and –FINANCIAL BID.
- The inner and outer envelopes shall be addressed to the Purchaser at the address given in the RFP, bear the Contract/Project name and the statement "DO NOT OPEN BEFORE 15.11.2019.
- The outer envelopes may not have any marking to indicate the identity of the Bidder.
- The inner envelopes shall also indicate the name and address of the Bidder so that the bid can be returned unopened in case it is declared "late."

### DEADLINE FOR SUBMISSION OF BIDS

- Bids must be received by the Purchaser at the address specified in the RFP no later than 15.11.2019 @ 10:00 A.M.
- The Purchaser may, at its discretion, extend this deadline for submission of bids by amending the RFP, in which case all rights and obligations of the Purchaser and Bidders will thereafter be subject to the deadline as extended.

- The TECHNICAL and FINANCIAL bids, separately sealed shall be addressed and delivered to the Purchaser at the following address: -

Director  
Information Technology Department, Sindh Police  
Main Building I.I. Chundrigar Road, Karachi  
Tel: +92-21-99212082

### LATE BIDS

Any bid received by the Purchaser after the bid submission deadline prescribed by the Purchaser will be rejected and returned unopened to the Bidder.

### MODIFICATION & WITHDRAWAL OF BIDS

- Modifications to the bid will not be accepted.
- The Bidder may withdraw its bid after submission, provided that written notice of the withdrawal is received by the Purchaser prior to the deadline prescribed for bid submission.
- A Bidder wishing to withdraw its bid shall notify the Purchaser in writing prior to the deadline prescribed for bid submission. A withdrawal notice may also be sent by electronic mail or facsimile, but it must be followed by a signed confirmation copy, postmarked no later than the deadline for submission of bids. The notice of withdrawal shall be addressed to the Purchaser at the address stated for bid submission. Bid withdrawal notices received after the bid submission deadline will be ignored, and the submitted bid will be deemed to be a validly submitted bid.
- No bid may be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period. Withdrawal of a bid during this interval may result in the forfeiture of the Bidder's bid security.

### BID OPENING & EVALUATION

#### OPENING OF TECHNICAL BIDS BY PURCHASER

- The Purchaser will open all technical bids of Bidders who have submitted a bid, in public, in the presence of Bidder 's representatives who chose to attend, at the time, on the date and at the place prescribed in this RFP as the Deadline of Submission of Bids. Bidder 's representatives shall sign a register as proof of their attendance.
- Bids shall be opened one at a time, reading out: the name of Bidder and any other such details as the Purchaser may consider appropriate.
- Bids that are received late shall not be accepted and opened, irrespective of the circumstances



## EVALUATION OF TECHNICAL BIDS BY PURCHASER

- There will be a one-stage two envelop technical evaluation. Preliminary evaluation of technical bids will be conducted as per information requested in the RFP.
- Detailed technical evaluation will be conducted for Bidders who qualify the preliminary evaluation.
- The Purchaser 's detailed technical evaluation of the responsive bid will take into account technical factors. The following weights will be used in the technical evaluation of bids:
- Bidders shall be required to obtain at least **80% Technical Marks** in addition to the mandatory clauses mentioned in the RFP to qualify for the evaluation of Financial Bids.

## MANDATORY QUALIFICATION CRITERIA

- The bidder should be registered with Federal Board of Revenue and must provide National Tax Number Certificate and General Sales Tax Certificate. (In case of JV both parties should be registered)
- The bidder (in case of JV, Lead Bidder) should be registered with Security & Exchange Commission of Pakistan and must provide Certificate of Incorporation with SECP.
- The bidder should be registered with Sindh Revenue Board. (In case of JV, Lead Bidder should be registered)
- The bidder should be registered with Pakistan Engineering Council in Category C-2 and above. (Lead bidder or JV)
- Bidder should have PTA license for Data/Value Added Service.
- By submission of documentary evidence in its bid, the Bidder, has not been blacklisted by any government or public sector organization. (In case of JV both parties should provide certificate)
- In case of joint venture, bidder must not be more than two JV partners and severely and jointly responsible for the project
- The bidder should be ISO 9001 Certified. In case of JV both parties should be ISO 9001 certified.
- The bidder should have fully operational office / Head-office in Karachi. (Provide documentary evidence)

\*Failing to provide any information regarding mandatory qualification criteria will make the bid non-responsive and will lead to the disqualification of the company.

\* Documentary evidence of each criteria mentioned above is required.

## BASIS OF EVALUATION & COMPARISON OF BID

The Technical Bids shall be evaluated on the basis of following parameters in addition to qualifying the mandatory clauses and other terms and conditions in the RFP.

The following points will be used in the evaluation of firms, to qualify an applicant must score not less than the specified minimum points for each category.

Sr. No.	Category	Points
1	Company Profile	50
2	Relevant Experience	300
3	Financial Strength of the Company	50
4	Compliance with Scope of Work	50
5	Key Personnel's	400
6	Organizations Strength	150
	Total	1000
	Minimum Marks to Qualify 80%	800

Note: Procurement Committee decision in this regard shall be final and is not subject to any challenge, objection or appeal. Procurement Committee shall not be obliged nor required to give any reasons for its decision on selection / non-selection.

### SECTION - 1

<b>COMPANY PROFILE</b>	
<b>Technical Parameter</b>	<b>Points</b>
1.1.Year of Establishment of the Firm	Max Points = 50
1.2.Document Required: Company Profile/ documentary evidence / proof should be attached in the Technical bid for verification	8 Years or Above: 50 Above 06& Below 08 Years: 40 Above 03& Below 06 Years: 20
1.3.The date of registration with Sales Tax shall be considered as date of establishment.	Below 03 Years: 0

**SECTION - 2**

RELEVANT EXPERIENCE		
Evaluation Criteria	Documentary Evidence Attached	Marks
<b><u>Installation/Commissioning/Maintenance of Video Surveillance System</u></b>		
<p><b>2.1.</b> <b><u>Installation/Commissioning:</u></b> Similar Experience of Projects (City Wide Video Surveillance System in any City of Pakistan) for Installation/commissioning of the following:</p> <p>a. Minimum 500 IP Cameras</p> <p>b. Data Centre</p> <p>c. Connectivity (Fiber optic cable) and Networking of 100 - 300 sites</p>	<p>(Provide installation/ commissioning/ deployment documentary evidence like work order/contract agreement/completion certificate)</p> <p>(Provide installation/ commissioning/ deployment documentary evidence like work order/contract agreement/completion certificate)</p> <p>(Provide installation/ commissioning/ deployment documentary evidence like work order/contract agreement/completion certificate)</p>	<p>Max Marks = 150</p> <p>Total marks 30</p> <p>800 and above = 30 marks 650 - 799 = 20 marks 500 - 649 = 10 marks</p> <p>Total 30 marks Tier-III= 30 Marks Tier-II = 20 Marks Tier-I=10 Marks</p> <p>Total 30 marks 201 to 300 Sites = 30 marks 150 to 199 Sites = 20 marks 101 to 149 Sites = 10 marks</p>

<p>d. Pole Sites</p> <p>e. Following Video Analytics / Software</p> <ul style="list-style-type: none"> <li>i. Complain Management System</li> <li>ii. Video Analytics</li> <li>iii. Video Management System</li> <li>iv. Network Security</li> <li>v. ANPR System</li> <li>vi. Video Wall</li> </ul>	<p>(Provide installation/commissioning/deployment documentary evidence like work order/contract agreement/completion certificate)</p> <p>(Provide installation/commissioning/deployment documentary evidence like work order/contract agreement/completion certificate)</p>	<p>Total 30 marks</p> <p>More than 200 Pole = 30 marks 151 - 199 Pole = 20 marks 100 - 150 Pole = 10 marks</p> <p>Total 30 marks 05 marks for each</p>
<p><b><u>2.2. Operation/ Maintenance /Support:</u></b></p> <p>Similar Projects for Operations &amp; Maintenance of city-wide Surveillance System including Cameras, Command Control Center, Fiber Optic Cable, Pole Sites, Data Center, Servers, Network Operation Center, UPS video analytic software etc. for a Government Sector Organization, Federal/Provisional Sector.</p>		<p>Max marks = 150</p> <p>Total Marks= 30</p>

<p>a. Minimum 500 IP Cameras</p>	<p>(Provide documentary evidence of operation/maintenance/support like work order/contract agreement/completion certificate)</p>	<p>800 and above = 30 marks 650 - 799 = 20 marks 500 - 649 = 10 marks</p>
<p>b. Data Centre &amp; Command and Control Centre</p>	<p>(Provide documentary evidence of operation/maintenance/support like work order/contract agreement/completion certificate)</p>	<p>Total 30 marks Tier-III= 30 Marks Tier-II = 20 Marks Tier-I=10 Marks</p>
<p>c. Connectivity, Networking &amp; Fiber optic cable of 100 - 300 sites</p>	<p>(Provide documentary evidence of Operation/maintenance/support like work order/contract agreement/completion certificate)</p>	<p>Total 30 marks 200 to 250 Sites = 30 marks 150 to 199 Sites = 20 marks 100 to 149 Sites = 10 marks</p>
<p>d. Pole Sites</p>	<p>(Provide documentary evidence of operation/maintenance/support like work order/contract agreement/completion certificate)</p>	<p>Total 30 marks 200 to 250 Poles = 30 marks 150 to 199 Poles = 20 marks 100 to 149 Poles = 10 marks</p>
<p>e. Following Video Analytic/Software a. Complain Management System</p>	<p>(Provide documentary evidence of operation/maintenance/support</p>	<p>Total 30 marks</p>

b. Video Analytics c. Video Management System d. Network Security e. ANPR System f. Video Wall	like work order/contract agreement/completion certificate)	05 marks for each project
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**SECTION - 3**

<b>FINANCIAL STRENGTH OF THE COMPANY</b>	
<b>Technical Parameter</b>	<b>Points</b>
Average Annual Turnover for Last 03 years not less than 300 million  (provide Audited Financials statement)	Max Points = 50  Above 300 Million: 50 Above 150 to 300 Million: 40 Above 60 to 150 Million: 20 Less than 60 Million: 0

**SECTION - 4**

<b>COMPLIANCE WITH SCOPE OF WORK</b>	
<b>Technical Parameter</b>	<b>Points</b>
Technical compliance with Complete Scope of work	50 Points  Yes: 50 No: 00

**SECTION - 5**

<b>KEY PERSONNEL</b>	
<b>Technical Parameter</b>	<b>Points</b>

<p>(1) PEC Certified Professional Engineers. Attach CV's with Valid PEC Professional Certificate &amp; Appointment letter</p>	<p>Max Points = 50</p> <p>10 or More Engineers: 50</p> <p>7 - 9 Engineers: 40</p> <p>5 - 6 Engineer: 20</p> <p>Less than 5 Engineers: 0</p>
<p>(2) Camera Technicians (Provide payroll and Resume)</p>	<p>Max Points = 50</p> <p>50 or More: 50</p> <p>40 - 49 Employees: 40</p> <p>25 - 39 Employees: 30</p> <p>Less than 25 Employees: 0</p>
<p>(3) Certified Data Center Professionals /Specialist. (Provide Valid data Centre Certification with Resume and company Pay Roll.)</p>	<p>Max Points = 50</p> <p>2 or More Employees: 50</p> <p>1 Employee: 25</p> <p>No Employee: 0</p>
<p>(4) Microsoft Certified Professional (Provide valid Certification along with Resume and Pay roll).</p>	<p>Max Points = 50</p> <p>2 or More Employees: 50</p> <p>1 Employee: 25</p> <p>No Employee: 0</p>
<p>(5) Cisco Certified Trained Resources (CCIE) Certificate with Resume and Pay roll. CCNP, CCSP, CCIE</p>	<p>Max Points = 50</p> <p>Any one certification = 10 marks each</p> <p>No Employee: 0</p>
<p>(6) Certified Resource for Firewall</p>	<p>Max Points = 50</p>

Certification with Resume and Pay roll.	2 or More Employees: 50 1 Employee: 25 No Employee: 0
(7) Certified Project Management Professionals Provide PMP Certification with Resume and Pay roll.	Max Points = 50 2 or More Employees: 50 1 Employee: 25 No Employee: 0
(8) Technical Team (resource) Engineers, Technicians, Managers, Supervisors  (Provide list of employees along with company pay roll)	Max Points = 50 More than 150 resource: 50 125 - 149 resource: 40 100 - 124 resource: 20 Less than 100 resource: 0

## **SECTION - 6**

<b>ORGANIZATIONS STRENGTH</b>	
<b>Technical Parameter</b>	<b>Points</b>
Availability of Warehouse Facility in Karachi Details of Warehouse (will be physically verified by the procurement committee team)	Max Marks: 50  Available: 50 Marks Not Available: 00 Marks
Availability of Bidder own Repair & Maintenance Facility in Karachi Details of Laboratory /Documentary Evidence	Max Marks: 50  Available: 50 Marks Not Available: 00 Marks



Availability of Bidder own Ladder Mounted Vehicles	Max Marks: 50
Details of Vehicles	08 or more vehicles: 50 Marks
Registration Documents/Contracts	6 to 7 Vehicles: 40 Marks
	4 to 5 Vehicle: 25 Marks
	Less than 4 Vehicles: 00 Marks

**NOTE:**

- Failure to Score 80% point in each section will result in disqualification in all process.
- Incomplete applications will not be considered.
- Any firm, which furnishes wrong information, will be liable for legal proceeding and if any contract is awarded, the same will be cancelled.
- The tender must be filled on prescribed form without any alteration/over writing.
- Conditional tenders/bids will not be acceptable.
- Information Technology Department, Sindh Police reserves the right to increase or decrease the scope of work / number of items without assigning any reason.
- Only companies registered with Sales Tax and Income Tax Departments shall be eligible to participate in the tender (proof of registration is required).
- Every page of this tender document should be signed and sealed by the bidder.
- Contacting the Purchaser: Any effort by a bidder to influence the Purchaser in the Purchaser's decisions in respect of bid evaluation, or Contract award will result in the rejection of the bidder's bid.
- Purchaser's Right to Accept the Bid or Reject the Bid or may require further document to verify provided documents
- The Purchaser reserves the right to accept or reject the bid and to annul the bidding process at any time prior to award of Contract, without thereby incurring any liability to the bidder or any obligation to inform the bidder of the grounds for the Purchaser's action

**OPENING OF FINANCIAL BIDS BY PURCHASER**

- The Purchaser will open all financial bids of bidders who have scored at least 80% in technical evaluation.
- Financial Bids shall be opened one at a time, reading out: the name of the Bidder; the bid price; the presence or absence of a bid security; the presence or

absence of requisite powers of attorney; and any other such details as the Purchaser may consider appropriate.

- Financial Bids of Bidders who have not scored the requisite 80% in technical evaluation would not be opened and shall not be considered for further evaluation, irrespective of the circumstances.

### CLARIFICATION OF BIDS

During the bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

### PRELIMINARY EXAMINATION OF FINANCIAL BIDS

- The Purchaser 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.
- Arithmetical errors shall be subject to rectification by the Purchaser. If a Bidder does not accept the correction of errors, its bid will be rejected and its bid security may be forfeited.
- Prior to the detailed evaluation, the Purchaser will determine whether each bid is of acceptable quality, is complete, and is substantially responsive. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions, and specifications without material deviations, exceptions, objections, conditions, or reservations. A material deviation, exception, objection, conditionality, or reservation is one:
  - that limits in any substantial way the scope, quality, or performance of the proposed solution; or
  - that limits, in any substantial way that is inconsistent with the RFP, the Purchaser's rights or the successful Bidder's obligations under the Contract; and
  - that the acceptance of which would unfairly affect the competitive position of other Bidders who have submitted substantially responsive bids.
- If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity. The Purchaser's determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the Bidder.

## CONTACTING THE PURCHASER

- From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing to the Point of Contact.
- If a Bidder tries to directly influence the Purchaser or interfere in the bid evaluation process or influence the Contract Award Decision, its bid will be rejected and the Bidder may be blacklisted and barred for participating in future Government of Sindh tenders.

## AWARD OF CONTRACT

### AWARD CRITERIA

The Purchaser will evaluate and award the Contract to the Bidder whose bid has been determined to be substantially responsive and the Best Evaluated Bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

### PURCHASER'S RIGHT TO ACCEPT ANY BID AND REJECT ANY BID

The Purchaser reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

### NOTIFICATION OF AWARD

- Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter that its bid has been accepted.
- The notification of award will constitute the formation of the Contract.
- Upon the successful Bidder's furnishing of the signed Contract Form and a performance security, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security.

### SIGNING OF CONTRACT

- At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Form, incorporating all agreements between the parties.
- As soon as practically possible, but no more than seven (7) calendar days following receipt of the Contract Form, the successful Bidder shall sign and date the Contract Form and return it to the Purchaser.

- The Purchaser and successful Bidder may also agree to meet to finalize the Contract Agreement.

### PERFORMANCE SECURITY

- Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish a performance security in the amount of five per cent (5%) of total contract price in the form of a Bank Guarantee in favor of the Purchaser as per format of the Performance Security Form.
- The Bank Guarantee for performance security shall be issued by a scheduled bank in Pakistan acceptable to the Purchaser.
- Failure of the successful bidder to comply with the requirement RFP terms and conditions shall constitute sufficient grounds for the annulment of the award of contract to the successful Bidder and forfeiture of the Bid Security. In this event, Purchaser may make the award to next Lowest Evaluated Bidder.

### TERMS & CONDITIONS

#### PAYMENT TERMS

- Advance Payment will be Up to 30% of contract value.
- The payment will be made on Quarterly basis on the submission of the invoices by the contractor along with the necessary documents.
- Payments shall be made promptly by Purchaser within fifteen (15) days of submission of an invoice/claim by the Contractor supported with necessary documents.
- All payment will be made in Pakistan Rupees.
- The type, method and conditions of payment to be made to the Contractor under his Contract shall be specific in the Contract. The Contractor 's request 's for payment shall be made to Purchaser in writing, accompanied by an invoice describing, as appropriate, the goods delivered and services performed, duly verified by the Project Director of Purchaser and fulfilment of other obligations stipulated in the Contract. Purchaser shall pay the invoice

#### WITHHOLDING TAX

The Bidders are hereby informed that the Purchaser shall deduct tax at the rate of six per cent (6%) as prescribed under the tax laws of Pakistan, from all payments for services rendered by any Bidder who signs a Contract with the Purchaser.

## GOVERNING LAW

This RFP and any Contract executed pursuant to this RFP shall be governed by and construed in accordance with the laws of Pakistan. The Government of Pakistan and all Bidders responding to this RFP and parties to any Contract executed pursuant to this RFP shall submit to the exclusive jurisdiction of the Pakistani Courts.

## CONTRACTOR'S NEGLIGENCE

The Contractor shall indemnify Purchaser in respect of all injury or damage to any person or to any property and against all actions, suits, claims, demands, charges and expenses arising in connection herewith which shall be occasioned by the negligence or breach of statutory duty of the Contractor, any sub-Contractor before whole of the project has been finally accepted.

## DELAYS IN PERFORMANCE

- Delivery of the Services/goods shall be made by the Contractor in accordance with the time schedule specified in the Contract.
- Failure to Complete the Task within the stipulated time period will invoke penalty of 0.025% of the total cost per day week of the delayed portion/services. In addition to that, in case of constant failure of the defined service level agreement in the contract, the Performance Guarantee will be forfeited and the company will not be allowed to participate in future tenders as well.

## SAMPLE FORMS

### BID COVER LETTER

To:

D.I.G- Information Technology,  
Sindh Police, Karachi.

Having examined the bidding documents, the receipt of which is hereby duly acknowledge, for the above Contract, we, the undersigned, offer to operate, maintain, supply, deliver and in conformity with the said bidding documents for the Total Bid Price.

Pak Rupees (in figures \_\_\_\_\_ in words \_\_\_\_\_ )

or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this Bid.

We undertake, if our Bid is accepted, to complete the Works in accordance with the Contract Execution Schedule provided in the Schedule - A, Special Stipulations to Bid. If our Bid is accepted, we will provide the performance security in the sum equivalent to equal to 05% of the Contract Price or the same will be deducted from the running bills.

We agree to abide by this Bid for the period of one Hundred and twenty (120) days from the date fixed for bid opening of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Contract Award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest-priced or any Bid that you may receive.

Dated this-----day of -----2019.

**BIDDER**

Witness

Signature:

Signature:

Name:

Name:

Title:

Title:

Address:

Address:

## BID SHEET

S.no	Description	Bid Price for 1st Year	
		Per Month Cost	Per Year
1	• Operation & Maintenance		
2	• Pole Site Maintenance		
3	• Data Center Maintenance		
4	• Control Room Maintenance		
5	• Consumables		
6	• Technical Engineering Staff		
	○ Data Center Engineer		
	○ Network Engineer		
	○ CCTV Engineers		
	○ Technicians		
	○ Technical Support Staff		
7	• Connectivity Maintenance		
	○ OTC (Pole Site)		
	○ MRC (Pole Site)		
	○ OTC (Aggregation Link)		
	○ MRC (Aggregation Link)		
8	Any Other Charges		
Total Amount (in PKR)			
Amount for 1st year (in words):			

S.no	Description	Bid Price for 2nd Year	
		Per Month Cost	Per Year
1	• Operation & Maintenance		
2	• Pole Site Maintenance		
3	• Data Center Maintenance		
4	• Control Room Maintenance		
5	• Consumables		
6	• Technical Engineering Staff		
	○ Data Center Engineers		
	○ Network Engineers		
	○ CCTV Engineers		
	○ Technicians		
	○ Technical/Admin Support Staff		
7	• Connectivity Maintenance		
	○ OTC (Pole Site)		
	○ MRC (Pole Site)		
	○ OTC (Aggregation Link)		
	○ MRC (Aggregation Link)		
8	Any Other Charges		
Total Amount (in PKR)			
Amount for 2nd year (in words):			
Note : Increment in the amount of 2nd year should not be more than 10% of 1st Year			



S.no	Description	Bid Price for 3rd Year	
		Per Month Cost	Per Year
1	• Operation & Maintenance		
2	• Pole Site Maintenance		
3	• Data Center Maintenance		
4	• Control Room Maintenance		
5	• Consumables		
6	• Technical Engineering Staff		
	○ Data Center Engineer		
	○ Network Engineer		
	○ CCTV Engineers		
	○ Technicians		
	○ Technical Support Staff		
7	• Connectivity Maintenance		
	○ OTC (Pole Site)		
	○ MRC (Pole Site)		
	○ OTC (Aggregation Link)		
	○ MRC (Aggregation Link)		
8	Any Other Charges		
Total Amount (in PKR)			
Amount for 3rd year (in words):			
Note : Increment in the amount of 3rd year should not be more than 10% of 2nd Year			

Grand Total		
S.no	Description	Bid Price
1	1st Year Bid price	
2	2nd Year Bid price	
3	3rd Year Bid price	
Total (1st year + 2nd year + 3rd year)		
Amount (in words):		

BID SECURITY FORM / BANK GUARANTEE

WHEREAS ----- (hereinafter called "the Bidder" has submitted its bid dated -----for the establishment of "Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police Office & Regional command & control center" , (hereinafter called "the Bid").

KNOW ALL MEN by these presents that We -----(Name of Bank) of -----(Name of Country) having our registered office at -----(address of Bank) hereinafter called "the Bank") are bound into the PPO/Secretary to Government of Sindh, Police Department, Karachi, Pakistan (hereinafter called "the Purchaser") in the sum of -----, for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns, by these presents.

Sealed with the Common Seal of the Bank this-----day of-----, 2019.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder does not accept the corrections of his Total Bid Price; or
3. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
  - Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders; or
  - Fails or refuses to execute the Contract Form, when requested. Or

We undertake to pay to the Purchaser up to the above amount, according to, and upon receipt of, its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both or all the three above stated conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to -----2019, the period of bid validity, and any demand in respect thereof should reach the Bank not later than such date.

(Name of Bank)

By: \_\_\_\_\_

(Title)

Authorized Representative

PERFORMANCE SECURITY FORM

To,

Director IT, Sindh Police,  
Central Police Office, Karachi

WHEREAS (Name of the Contractor)

-----  
Hereinafter called "the Contractor" has undertaken, in pursuance of the bid for establishment of "Operations & maintenance of video security & surveillance system of Sindh police Command & control center at Central Police Office & Regional command & control center", dated \_\_\_\_\_ 2019, (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the Contract that the Contractor shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with the Contractor's performance obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, 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 Contractor to be in default under the Contract, and without cavil or argument, any sum or sums as specified by you, 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 \_\_\_\_\_ day of \_\_\_\_\_, 2019, or twenty-eight (28) days of the issue of the Defects Liability Expiry Certificate, whichever is later.

[Name of Guarantor]

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Address \_\_\_\_\_

Seal \_\_\_\_\_

## INTEGRITY PACT

Project Name:

Tender Id:

Bid Date: \_\_\_\_\_

{Name of Bidders} 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 or any administrative sub division or agency thereof or any other entity owned or controlled by (GOS) through any corrupt business practice.

Without limiting the generality of the foregoing {Name of Bidders} 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 anyone within or outside Pakistan either 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 including the procurement of a contract, right, interest, privilege, or other obligation or benefit in whatsoever form from Government of Pakistan (GoS) that has been expressly declared pursuant hereto.

{Name of Bidders} certify that it has made and will make full disclosure of all agreements and arrangement with all persons in respect of or related to the transaction with GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

{Name of Bidders} 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, other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GOS under any law, contract or other instrument, be voidable at the option of GOS.

Notwithstanding any right and remedies exercised by GOS in this regard, {Name of Bidders} agrees to indemnify GOS for any loss or damage incurred by it on account of its corrupt business practices, and further pay compensation to GOS in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by {Name of Bidders} 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 GOS.

Stamp & Signatures

CERTIFICATE

We guarantee to supply the stores/services exactly in accordance with the requirements / specifications in the invitation to this tender. We accept the terms and conditions of the contract as well as general provisions applicable to Government contracts in accordance with SPPRA Rules 2010.

SEAL OF FIRM

SIGNATURE OF TENDERER

Name: \_\_\_\_\_

C.N.I.C: \_\_\_\_\_

Designation: \_\_\_\_\_

Company Name: \_\_\_\_\_

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

## ANNEXURE - A

### List of Equipment Command and Control Center - CPO

<b>Data Center and NOC</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	<b>Server machine</b>		
	IBM System X3620 M3 Processor Intel Xeon(R) E-5607, RAM 2GB, HDD 8TB	70	Working but Warranty Expired
	Dell PowerEdge R710 Processor Intel Xeon(R) E-5620, RAM 2GB, HDD 08TB	62	Working but Warranty Expired
2	15 Ton Chillers (LIEBERT PEX) (EMERSON NETWORK POWER)	5	Working but Warranty Expired
3	AMF Panel	1	Working but Warranty Expired
4	UPS 200 KVA (MASTERGUARD)	1	Working but Warranty Expired
5	Generator 250KVA (PERKINS 1300 SERIES)	1	Working but Warranty Expired
6	200 KVA Generator (PERKINS)	1	Working but Warranty Expired
7	Cisco 48 Port Switches (2960S / 3750G)	2	Working but Warranty Expired
8	Cisco 24 Port Switch (2960G)	1	Working but Warranty Expired
9	32 Inch LCD (SECURA)	8	Working but Warranty Expired
10	19 Inch LCD (DELL)	8	Working but Warranty Expired
11	Computer System (DELL / THINK CENTRE)	5	Working but Warranty Expired
12	Split AC (GREE/MITSHUBISHI/HAIER)	3	Working but Warranty Expired
13	Fire Alarm System & Environment Sensor (LIFECO/BECHAM)	1	Working but Warranty Expired

<b>Operator Room</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	46Inch Video Wall Screens (CHRISTIE)	21	Working but Warranty Expired
2	Christie Rear Projection	8	Working but Warranty Expired
3	Computer system (DELL / LENOVO)	20	Working but Warranty Expired
4	32 Inch LCD (OREINT)	13	Working but Warranty Expired
5	19 Inch LCD (DELL)	15	Working but Warranty Expired
6	Cisco 24 Port Switch (2960G)	2	Working but Warranty Expired
7	Split AC (GREE / MITSUBISHI)	5	Working but Warranty Expired

<b>Reception</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	Computer system (LENOVO)	3	Working but Warranty Expired
2	32 Inch LCD (SECURA)	4	Working but Warranty Expired
3	19 Inch LCD (COMPAQ / LENOVO)	3	Working but Warranty Expired
4	Split AC (GREE)	1	Working but Warranty Expired

<b>VIP ROOM</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	Computer system (DELL / LENOVO)	4	Working but Warranty Expired
2	32 Inch LCD (SECURA)	8	Working but Warranty Expired
3	19 Inch LCD (DELL)	8	Working but Warranty Expired
4	Split AC (MITSUBISHI)	1	Working but Warranty Expired

<b>Regional Command and Control Center</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	Server machine IBM System X3620 M3 Processor Intel Xeon(R) E-5607 , RAM 2GB, HDD 8TB	12	Working but Warranty Expired
2	UPS 10 KVA	1	Working but Warranty Expired
3	Generator 60KVA (john deere)	1	Working but Warranty Expired
4	Cisco 24 Port Switch (2960G)	1	Working but Warranty Expired
5	32 Inch LCD (SECURA)	10	Working but Warranty Expired
6	19 Inch LCD (DELL)	10	Working but Warranty Expired
7	Computer System (DELL)	5	Working but Warranty Expired
8	Split AC (HAIER/MITSHUBISHI)	5	Working but Warranty Expired

<b>List of equipment at Camera Locations - CPO</b>			
<b>S.#</b>	<b>Description</b>	<b>Qty</b>	<b>Remarks</b>
1	Camera Poles	161	Working but Warranty Expired
2	Camera locations	161	
3	UPS 1 KVA	161	Working but Warranty Expired
4	batteries 120 Amp	161	Working but Warranty Expired
5	2MP Fix Cameras	644	Working but Warranty Expired
6	PTZ Cameras	109	Working but Warranty Expired



**ANNEXURE - B****CPO 164 Sites**

<b>S. No.</b>	<b>Site Name</b>	<b>Site Status</b>
1	26th street to B street	Active
2	26th Street to Khy badar int	Active
3	7 Day Hospital (Prince Cinema)	Active
4	Abdullah Shah Ghazi Shrine	Active
5	Achi Qabar (Devi Mata)	Active
6	Adamjee (Sindh Police Head Office)	Active
7	Agha Khan School (Bagdadi Crossing)	Active
8	Airport (Chota Gate)	Active
9	Aisha Bawani	Active
10	Al Asif Square	Active
11	American Embassy	Active
12	Ancholi Sohrab Goth	Active
13	Arif Habib (M T Khan Road Bahria Complex)	Active
14	Army School (Dr. Dawood Pota & School Road)	Active
15	Artillery (Sindh Governor House)	Active
16	Arts Council	Active
17	Askari Apartments (Silani Clifton Branch)	Active
18	Awami Markaz	Active
19	Bagh E Jinnah Entrance	Active
20	B B Q Tonight (Bilawal Round About)	Active
21	Bara Alam (Khoja Masjid)	Active
22	Bahria Auditorium	Active
23	Bilawal Container Block Area	Active
24	Bilawal Entrance Grill Area	Active
25	Bilawal Exit Area	Active
26	Bilawal Grill Back Area	Active
27	Bilawal House 1 (Clifton Grill Hotel)	Active
28	Bilawal House 2 (Bilawal Main Entry Point)	Active
29	Bilawal House 3 (Khy Saadi Road)	Active
30	Bilawal House Center	Active
31	Bilawal Mosque Area	Active
32	Bin Qasim Park	Active
33	British Council Library	Active
34	British Embassy	Active
35	Cantt Station	Active
36	Chinese Counsulate	Active
37	City Court	Active
38	City Shopping Center (Hyderabad Bus Stop)	Active
39	Clifton Bridge Int (Lilly Bridge)	Active
40	Clifton Center (KPT Underpass Junction)	Active
41	Clifton Police Station	Active

42	CM House	Active
43	Coast Guard (Wafaqi Mohatasib)	Active
44	Colony Gate Shah Faisal	Active
45	Commercial Street Badar Int	Active
46	Consulate Germany	Active
47	Consulate Morocco	Active
48	CPO Back Entry (Railway Crossing CCPO)	Active
49	Dawood Center (PIDC)	Active
50	Defence Stadium (South End Club)	Active
51	DHA Degree College	Active
52	DHA Head Office	Active
53	DHA Library	Active
54	DHA Phase 1 Signal	Active
55	Dr. Zia Uddin Ahmed Road	Active
56	Drig Road	Active
57	Dua Chorangi (Ali Baba Round About)	Active
58	Dhoraji	Active
59	Empress Market (DaudPota Road Saddar)	Active
60	Fawara Chowk (Zainab Market)	Active
61	Fayyaz Center (Nursery)	Active
62	Ferrer Hall	Active
63	Gizri Boulevard	Active
64	Gizri Interchange	Active
65	GPO	Active
66	Guest House	Active
67	Habib Bank Plaza	Active
68	Hussainia Irania	Active
69	IB Baqiatullah (Saba Avenue)	Active
70	Indian House	Active
71	Indus University	Active
72	Irani Embassy	Active
73	Italy Embassy	Active
74	Allah Wali Market (Jama Cloth)	Active
75	Jang Press	Active
76	Jinnah Bridge (Kimari Bridge)	Active
77	Jinnah Hospital (Children Hospital)	Active
78	K E Head Office	Active
79	Kabootar Chowk (Sindh Sec Exit Gate)	Active
80	Suleman Street (Kakri Ground)	Active
81	Kala Pull (Mehmodabad Signal)	Active
82	Karachi Club	Active
83	Karachi Grammar School Junior	Active
84	Karachi Grammar School Senior	Active
85	Karachi Gym Khana	Active
86	Khana Farhang	Active

87	Khy Tanzeem Interchange	Active
88	Khy Firdousi	Active
89	Khy Shamsheer To Saba Avenue	Active
90	Khy Ittehad To 26th Street	Active
91	Khy Ittehad to Saba Avenue	Active
92	Khy Shamsheer to 26th Street	Active
93	Khy Shamsheer To Shaheen Interchange	Active
94	Khy Ittehad To Hafiz	Active
95	Khy Ittehad To Shujaat	Active
96	Khy Shujaat Interchange	Active
97	Khy Badar Interchange	Active
98	Khy Badar To Shaheen Int	Active
99	Khy Hafiz To Badar Int	Active
100	Khy Hafiz To Hilal Int	Active
101	Khy Hafiz To Mujahid	Active
102	Kideny Center	Active
103	Korangi Road Axact Chowrangi	Active
104	KPT Bridge	Active
105	Kuwaiti Counsulata	Active
106	Lee Market	Active
107	Liaquat Hospital	Active
108	Liberty (Tariq Road Liberty Int)	Active
109	Light House	Active
110	Lucky Star	Active
111	Mai Kolachi Int (American Embassy)	Active
112	Makro Lines (Combine Works)	Active
113	Marriot Hotel	Active
114	Mashriq Center	Active
115	McDonalds (Khy Shamsheer Int)	Active
116	Medicam (Tariq Road Shaheed e Milat)	Active
117	Mohatta Palace	Active
118	Muslim Gym Khana (Awan e saddar)	Active
119	Natha Khan	Active
120	National Stadium Back (DG Ranger)	Active
121	National Stadium Corner	Active
122	National Stadium	Active
123	Nawa e Waqt (Quaid e Azam Town)	Active
124	NIC Building Korangi Road (Gora Qabristan)	Active
125	Nishter Park	Active
126	Park Back 1 (Park Back Ranger)	Active
127	Park Back 2 (ATC Court)	Active
128	Park Back 3 (Park Back Area)	Active
129	PNS Karsaz	Active
130	Press Club	Active
131	PTCL Clifton Exchange	Active

132	Qaiyumabad	Active
133	Race Course	Active
134	Radio Pakistan	Active
135	Rainbow Center (Saddar Dawa Khana)	Active
136	Regal Chowk (Sony Center)	Active
137	Regal Saddar (Regal Chowk)	Active
138	Russian Consulate	Active
139	Saudi Consulate	Active
140	Sheeren Jinnah	Active
141	Sindh Assembly	Active
142	Sindh Medical College (SMC College)	Active
143	Sindh Secretariat Entry	Active
144	South City Hospital	Active
145	ST Paul School	Active
146	State Bank	Active
147	Sultan Masjid	Active
148	Sunset Club	Active
149	Tariq Road Quaideen Int (Allah Wali Chowrangi)	Active
150	Saeed Manzil (Tibet Center)	Active
151	Tipu Sultan Interchange (Karsaz Road)	Active
152	Tooba Masjid	Active
153	Tuglaq House	Active
154	PTV Station	Active
155	UAE Consulate (Khada Market)	Active
156	City Station (Uni Plaza)	Active
157	Zamzama To Do Talwar (Zamzama Boulevard Int)	Active
158	Zamzama Park	Active
159	Avari Tower (Metropole)	Inactive Due to Construction work
160	IB Ali Raza (Numaish Road)	Inactive Due to Construction work
161	Shaheed E Millat Int (Minto Circle)	Inactive Due to Construction work
162	SM Law College	Inactive Due to Construction work
163	Tipu Sultan	Inactive Due to Construction work
164	Punjab Chowrangi	Inactive Due to Construction work

## ANNEXURE - C

- The quotation of following specified PTZ camera will be quoted.

PTZ Specification
<b>Camera Module</b>
Image Sensor 1/2.8" progressive scan CMOS or better
<b>Min. Illumination</b>
Color: 0.005 Lux @ (F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR
White Balance
Auto/Manual/ ATW (Auto-tracking White Balance Gain Auto/Manual
Shutter Time
50Hz: 1 to 1/30,000s 60Hz: 1 to 1/30,000 s Day & Night IR Cut Filter Digital Zoom 16 × Privacy Mask 24 programmable privacy masks Focus Mode Auto/Semi-automatic/Manual WDR 120 dB WDR
<b>Lens</b>
Focal Length 4.8 to 153 mm, 32 × optical zoom
Field of View
Horizontal field of view: 55.6° to 2.04° (wide-tele) Vertical field of view: 32.4° to 1.14° (wide-tele) Diagonal field of view: 63° to 2.34° (wide-tele) Working Distance 10 to 1500 mm (wide-tele) Aperture Range F1.2 to F4.4
<b>PTZ</b>
Movement Range (Pan) 360° endless
Pan Speed
Configurable, from 0.1°/s to 160°/s Preset speed: 240°/s Movement Range (Tilt) From -15° to 90° (auto-flip)
Tilt Speed
Configurable, from 0.1°/s to 120°/s Preset speed: 200°/s Proportional Zoom Yes Presets 300 Patrol Scan 8 patrols, up to 32 presets for each patrol Pattern Scan 4 pattern scans, record time over 10 minutes for each scan Power-off Memory Yes
Park Action
Preset/Pattern Scan/Patrol Scan/ Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
3D Positioning Yes PTZ Position Display Yes Preset Freezing Yes
Scheduled Task
Preset/Pattern Scan/Patrol Scan/ Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
<b>Compression Standard</b>
<b>Video Compression</b>
Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG H.264 Type Baseline profile/main profile/high profile H.264+ Yes H.265 Type Main profile H.265+ Yes Video Bitrate 32 Kbps to 16384 Kbps Audio Compression G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
<b>Image</b>
Resolution: 1920 × 1080 @ 25FPS
<b>Network Protocols</b>

IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour API ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK Simultaneous Live View Up to 20 channels

**User/Host**

Up to 32 users 3 user levels: administrator, operator and user

**Security Measures**

User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.

**Power**

24 VAC, 2.5 A, Working Environment Temperature: -30°C to 65°C (-22°F to 149°F), humidity: ≤ 90%

**Protection Level**

IP66 Standard, B25:B43 4000V Lightning Protection, Surge Protection and Voltage Transient Protection

Camera should support milestone enterprise software with license

## ANNEXURE - D

### Fix Camera Specification

Following specified fix camera will be installed in case of replacement of irreparable camera.

<b>Camera Module 5-megapixel or better</b>
Image Sensor 1/1.8" Progressive Scan/ CMOS Min. Illumination Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON) Slow Shutter Support Lens Mount C/CS mount Auto-iris DC drive (-P: support P-Iris) Day & Night IR cut filter with auto switch WDR DWDR Focus -A: support ABF Compression Standard Video Compression H.265, H.265+/H.264/MJPEG H.264 Type Baseline Profile / Main Profile / High Profile Video Bit Rate 32 Kbps - 16 Mbps Audio Compression G.711/G.722.1/G.726/MP2L2 Audio Bit Rate 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image Max. Resolution Up to 2560 x 1944
<b>LENS</b>
Varifocal - 2.7 to 13.5 mm
Day& Night: IR Cut Filter
<b>Frame Rate</b>
30FPS @ 2560 x 1944 or better
Three Streams
Stream and Sub Stream, up to 50/60Hz
Image Setting Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
<b>Network</b>
TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Network Storage: local storage and NAS (NFS,SMB/CIFS), ANR Alarm Trigger: Motion detection, video tampering, network disconnected, IP address conflict, illegal login
System Compatibility: ONVIF (Profile S, Profile G), ISAPI
<b>Operating Conditions:</b>
Temperature: -30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)
Power Supply: 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af)
Camera should support milestone enterprise software with license

## Compliance sheet

S.no	Description	Yes	No
1	Bidder must provide warranty in case of supply replacement/repair the equipment		
2	Provide equipment with higher specifications for Operations and Maintenance in case of replacement of the equipment		
3	Bidder will be responsible for maintenance of all including works such as Poles, Command and Control Center and all remote terminal installations (outdoor and indoor equipment's)		
4	Bidder will be responsible for the provision and subsequently maintenance of Optic Fiber Connectivity between remote sites, aggregation and central command and control centers		
5	Bidder shall submit comprehensive connectivity plan of the network		
6	Bidder should provide a comprehensive diagram of advance video management solution		
7	Bidder will be responsible of Connectivity/maintenance of each site		
8	Bidder will be responsible of Camera repair for each site		
9	Bidder will be responsible of Camera lens cleaning on regular basis		
10	Bidder will be responsible of Battery health on regular basis for each site. Replacement of battery at the end of life or when required		
11	Bidder will be responsible of Maintenance and replacement (When not repairable) of UPS for each site. In case failure of Invertor/UPS, the replacement should be with UPS with Dry Batteries with minimum backup of 6 Hours.		
12	Bidder will be responsible of Maintenance and replacement (When not repairable) of switch at each site with manageable switch		
13	Bidder will be responsible of Maintenance of Boxes at each site		
14	Bidder will be responsible of Maintenance of Poles at each site		
15	Bidder will be responsible of Maintenance of patch cords and their wiring status for each camera sites		
16	Bidder will be responsible of Maintenance and replacement of all the parts or accessories required to make the site in working condition		
17	Bidder will be responsible of Maintenance, repair and replacements of faulty parts of the servers		
18	Bidder will be responsible of Maintenance, repair and replacements of faulty parts of the storage		
19	Bidder will be responsible of Maintenance, repair and replacements of switches		



20	Bidder will be responsible of Maintenance, repair and replacements of viewing machines		
21	Bidder will be responsible of Maintenance of Air Condition's, Accessories and fixtures deployed for the data center operations		
22	Bidder will be responsible of Provision and Maintenance of Optic Fiber Connectivity within sites, aggregation sites and central command control center & CPO		
24	Bidder will be responsible of Redundant connectivity is required with backup link for aggregation.		
25	Bidder will be responsible of replacements of items small but necessary for the overall operation and performance like Batteries, small switches, power supplies of camera units, patch cords, electric item consumables, Extensions, media converters, ODF, power supply of servers, switches, generators servicing, Videowalls, NOC maintenance etc.		
26	Bidder will be responsible of 24/7/365 availability of three Resident Engineers for Maintaining Internal Network and Equipment's		
27	Bidder will be responsible of 24/7/365 availability of Resident Technicians for Maintaining Internal Network and Equipment's		
28	Bidder will be responsible to deployed staff in shifts to work for 24 x 7 x 365 including all holidays Field Engineers for Maintaining sites, Field Technicians for Maintaining sites.		