BIDDING DOCUMENTS



PROCUREMENT OF IT LAB EQUIPMENT AND CCTV CAMERAS SETUP FOR CENTERS OF EXCELLENCE PEER MAHAL, CHAKWAL AND TANDLIANWALA

PUNJAB DAANISH SCHOOLS & CENTERS OF EXCELLENCE AUTHORITY

1. INVITATION TO BID

E-bids are invited from all manufacturer, distributors, suppliers or sellers of IT Lab Equipment and/or CCTV Cameras Setup in Pakistan, registered with Sales Tax and Income Tax Departments, under Punjab Procurement Rules 2014 under framework contract.

Lot No.	Types of Goods	Estimated Amount (Mn)	2% Bid Security (Rs) (in the form of CDR / DD)
1	2xIT Lab Equipment	37.959	759,189
2	3x CCTV Camera Setup	9.927	198,538

The bid documents are immediately available at the PPRA website **www.ppra.punjab.gov.pk**, **EPADS** portal **www. punjab.eprocure.gov.pk** and PDS & CEA website **www.daanishschools.edu.pk** free of cost for participation in tender.

The intending bidders shall submit their profiles including technical and financial bids **online through EPADS portal** and hard copy of technical bid only along with original instrument of above mentioned bid security amount in favor of **"PDS-CEA SECURITY DEPOSIT A/C"** will also be submitted in Committee Room of Punjab Daanish Schools & Centers of Excellence Authority, Lahore before **11:00 AM on Monday 28 October, 2024**.

Technical bids will be opened on the same day at **11:30 AM** through **EPADS**.

The participation in bid process through **EPADS portal** is compulsory for all bidders and submission of hard copies only shall not be accepted in compliance to the policy of the Govt. of the Punjab and PPRA.

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2 INSTRUCTIONS TO BIDDERS (ITB)

2.1 Important Note:

2.1.1 The procurement shall be under a framework contract between the PDS&CEA head office and the successful bidder. The contractor will deliver and/or install the Goods at Centers of Excellence Tandlianwala, Peer Mahal & Chakwal.

2.1.2 Intended bidders shall apply for tender online through **EPADS portal www.eprocure.gov.pk.** Hard copies of the technical and financial bids will also be submitted before the closing time of tender. Submission of hard copies only will not be accepted in compliance with policy of the Govt. of the Punjab and PPRA.

2.1.3 Bidders must ensure that they submit all the required documents indicated in the Bidding Documents without fail. Bids received without undertakings, valid documentary evidence, supporting documents and the manner for the various requirements mentioned in the Bidding Documents may be rejected at the initial stage itself. The valid documentary evidences as detailed hereinafter should be submitted by the Bidder for preliminary and detailed examination.

2.1.4 The financial bids found technically non-responsive shall be returned un-opened to the respective bidders as under:

2.1.3.1 If technically disqualified bidder states that he is agreed with the decision of the purchaser and he is not filing any grievance against the decision.

2.1.3.2 If the bidder files grievance petition and the same is rejected by the grievance redressal committee.

2.1.3.3 The time for filing the grievance has lapsed.

2.1.3.4 The contract has been signed by the purchaser with the lowest evaluated bidder.

2.1.5 The lowest evaluated bidder shall be awarded the contract.

2.2 Bidding Details

2.2.1 All bids must be accompanied by Bid Security in the form of CDR/Demand Draft in favor of **"PDS-CEA SECURITY DEPOSIT A/C".** The completed bids must be delivered into the Tender Box placed in the Conference Room of Punjab Daanish Schools & Centers of Excellence Authority Office, Lahore.

2.2.2 In case the date of pre-bid meeting and / or the last date of bid submission/opening falls in/within the official holidays, the date for pre-bid meeting and/or submission/opening of the bids shall be the next working day.

2.2.3 The bidder shall submit bid complying with the Bidding Document. Alternative bids shall not be considered. The attention of bidders is drawn to the provisions of this tender document **Clause** regarding **"Determination of Responsiveness of Bid"** for making their bids substantially responsive to the requirements of the Bidding Documents.

2.2.4 It will be the responsibility of the Bidder that all factors have been investigated and considered while submitting the Bid and no claim whatsoever including those of financial adjustments to the contract awarded under this Bid Process will be entertained by the Purchaser. Neither any time schedule, nor financial adjustments arising thereof shall be permitted on account of failure by the Bidder.

2.2.5 The Bidder shall be deemed to have satisfied itself fully before Bid as to the correctness and sufficiency of its Bids for the contract and price/ cost quoted in the Bid to cover all obligations under this Bid Process.

2.2.6 It must be clearly understood that the Terms and Conditions and Specifications are intended to be strictly enforced. No escalation of cost except arising from increase in quantity by the Bidder on the demand and approval of the Purchaser will be permitted throughout the period of completion of the contract.

2.2.7 The Bidder should be fully and completely responsible for all the deliveries and deliverables to the Purchaser under this contract.

2.2.8 All sorts of notices either to or from the purchaser and the bidder / contractor for any purpose shall be in writing. The same shall be issued within reasonable time either through email or by registered post / courier.

2.2.9 Bidders are also required to state, in their proposals, the name, title, contact number (landline, mobile), fax number and e-mail address of the bidder's authorized representative through whom all communications shall be directed until the process has been completed or terminated.

2.2.10 The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

3 TERMS AND CONDITIONS OF THE TENDER

3.1 Definitions

3.1.1 "Authorized Representative" means any representative appointed, from time to time, by the Purchaser and the Bidder/ Contractor in proper manner.

3.1.2 “Bidder/ Tenderer” means the interested Firm/ Company that may provide or provides related goods / services to any of the public/ private sector organization under the contract and have registered for the relevant business thereof.

3.1.3 "Commencement Date of the Contract" means the date on which the signature of both purchaser and the contractor are affixed to the written contract.

3.1.4 "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.

3.1.5 "Contractor/ Vendor" means the Tenderer whose bid has been accepted and awarded Letter of Acceptance followed by the signing of Contract.

3.1.6 "Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

3.1.7 "Person" includes individual, association of persons, firm, company, corporation, institution and organization, etc., having legal capacity.

3.1.8 "Purchaser" means the PDS&CEA.

3.1.9 "Services" means “labor and transportation” services which the Contractor is required to provide the Purchaser under the Contract.

3.1.10 “Goods " means IT Lab Equipment & CCTV Camera Setup.

3.1.11 “Manufacturer” means manufacturer of IT Lab Equipment & CCTV Camera Setup.

3.1.12 “Seller” means a person having proper sale point / warehouse of IT Lab Equipment & CCTV Camera Setup in some main market of a city.

3.1.13 “Supplier” means supplier of IT Lab Equipment & CCTV Camera Setup.

3.2 Tender Scope

3.2.1 Successful bidder is required to provide the following IT Lab Equipment & CCTV Camera Setup at Centers of Excellence Peer Mahal, Chakwal and Tandlianwala: -

Lot-1 (IT Lab Equipment)

Sr. #	Item Name	COE Peer Mahal	COE Chakwal	Total (Qty)
1.	Computer Systems (Complete Sets)	48	48	96
2.	Router Board (Mikrotic or equivalent)	1	1	2
3.	Cable Tie 6 inch (Packet)	3	3	6
4.	Cable Tag (Packet)	3	3	6
5.	PDU 8 Ports	1	1	2
6.	24 Ports Gigabit Switch (CISCO or equivalent)	3	3	6
7.	Wireless Router	2	2	4
8.	Patch Cord 1 Meters	100	100	200
9.	Patch Cord 3 Meters	30	30	60
10.	Face Plate with Back Box (Baynet or equivalent)	55	55	110
11.	IO RJ 45 (Baynet or equivalent)	60	60	120

Sr. #	Item Name	COE Peer Mahal	COE Chakwal	Total (Qty)
12.	Patch Panel 24 Port with IO (Loaded) (M2P)	3	3	6
13.	Cat 6 Cable Roll (Hikvision or equivalent)	5	5	10
14.	RJ 45 Connector Box (AMP or equivalent)	3	3	6
15.	Punching Tool (KD-1 or equivalent)	2	2	4
16.	Cable Tester (A Link or equivalent)	2	2	4
17.	Wire Stripper	3	3	6
18.	Cable Cutter	2	2	4
19.	12 U Wall Mountable Rack	2	2	4
20.	Crimping Tool (Informat or equivalent)	2	2	4
21.	Electric Light Plug with Back Box	90	90	180
22.	7/29 Single Core Cable Roll (90 Meters) Red	2	2	4
23.	7/29 Single Core Cable Roll (90 Meters) Black	2	2	4
24.	Duct Patti 1 inch 10 Feet (Adam G or equivalent)	30	30	60
25.	Duct Patti 2 inch 10 Feet (Adam G or equivalent)	40	40	80
26.	Printer	2	2	4
27.	Installation of Complete IT Lab Setup (as per given plan)	1	1	2

Lot-2 (CCTV Camera Setup)

Sr. #	Item Name	COE Peer Mahal	COE Chakwal	COE Tandlianwala	Total (Qty)
1.	4MP IP IR Bullet Camera	12	12	12	36
2.	4MP IP Camera	3	3	3	9
3.	2MP PTZ	1	1	1	3
4.	16 Channel NVR	1	1	1	3
5.	LED Security Lights 50Watts	50	50	50	150
6.	LED Security Lights 100Watts	50	50	50	150
7.	LED Screen 40”	1	1	1	3
8.	Power Beam UBNT (Pair)	5	5	5	15
9.	12U Rack	1	1	1	3
10.	Extension Lead	5	5	5	15
11.	5 Port POE 250M	5	5	5	15
12.	4TB Hard Drive	1	1	1	3
13.	UTP Cable Cat 6	2	2	2	6
14.	PVC Pipe 1” (10’ length)	150	150	150	450

Sr. #	Item Name	COE Peer Mahal	COE Chakwal	COE Tandlianwala	Total (Qty)
15.	3/29 Power Cable	1	1	1	3
16.	Cable Duct 16x25 (10' length)	40	40	40	120
17.	Cable Duct 16x38 (10' length)	40	40	40	120
18.	Iron Pole (10' length)	5	5	5	15
19.	1KVA UPS with Cabinet	5	5	5	15
20.	Waterproof Box	10	10	10	30
21.	Camera Installation	12	12	12	36
22.	Wireless Equipment Installation	10	10	10	30
23.	HDMI Cable 20 meter	1	1	1	3

3.2.2 Detailed Specifications of IT Lab Equipment & CCTV Camera Setup are as per **Annexure-B.**

3.3 Sizes

Sizes (where applicable) are given in detail specifications.

3.4 Design, Pattern, Shape

The necessary design, pattern and shape will be explained in the pre-bid meeting. The similar information is available in the procurement department.

3.5 Tender Cost

The bidder shall bear all costs/ expenses associated with the preparation and submission of the Tender(s) and the Purchaser shall in no case be responsible/ liable for those costs/ expenses.

3.6 Preparation / Submission of Tender

3.6.1 **Technical Proposal shall comprise the following**:

3.6.1.1 Covering letter on bidder's letter head duly signed and stamped by owner / director / partner as per **Annexure-A** of bid document.

3.6.1.2 Nomination of authorized representative on letter head duly signed by the owner / director / partner.

3.6.1.3 List giving the detail of owner(s), director(s) and representative(s) along with a copy of their attested ID card(s).

3.6.1.4 Attested Partnership Deed, Memorandum and Articles of Association.

3.6.1.5 Certificate of Registration/ Incorporation under the laws of Pakistan.

3.6.1.6 CDR/Demand Draft of bid security shall be in favor of **"PDS-CEA SECURITY DEPOSIT A/C".**

3.6.1.7 Certificate of Firm / Company Registration / Incorporation under the laws of Pakistan (Registrar of firms / SECP)

3.6.1.8 Valid Registration Certificate for Income Tax & Sales Tax Department(s).

3.6.1.9 Bank statements / financial statements.

3.6.1.10 Work orders / Sale receipts.

3.6.1.11 Specifications of the goods to be supplied (as given at **Annexure-B**).

3.6.1.12 Original Instrument of Bid Security.

Note-1: Technical proposal should not contain any mention of prices.

Note-2: Technical bid shall be uploaded on EPADS.

3.6.2 **Financial Proposals shall comprise the following:**

3.6.2.1 Price Schedule as per **Annexure-C.**

Note-1: Financial bid shall be uploaded on EPADS.

3.7 Amendment of the Tender Document

3.7.1 The Purchaser may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).

3.7.2 The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers as per Punjab Procurement Rules, 2014.

3.8 Tender Price

The quoted price shall be best/ final/ fixed and valid until completion of all obligations under the Contract i.e. not subject to variation/ escalation; in Pak Rupees; inclusive of all taxes, duties, levies, insurance, freight, transportation etc.

3.9 Bid Security

The Tenderer shall furnish the Bid Security as under:

3.9.1 Original shall be included in the envelope of sealed financial proposal, photocopy shall be included in the sealed technical proposal.

3.9.2 Having a minimum validity period of ninety (90) days from the last date for submission of the Bid or until furnishing of the Performance Guarantee, whichever is later;

3.9.3 The bid security shall be returned to the technically disqualified Bidders with their unopened/ sealed financial bid while the unsuccessful bidders shall be returned the bid security only. The Bid Security shall be returned to the successful Bidder on furnishing the Performance Guarantee.

3.10 Provision of Samples

Samples should be provided by the bidders if desired by the Purchase Committee for clarification of the quoted items and their specifications.

3.11 Tender Validity

The Tender shall have a minimum validity period of ninety (90) days from the last date for submission of the Tender. The Purchaser may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing. If the Tenderer agrees to extension of validity period of the Tender, the validity period of the Bid Security shall also be suitably extended.

3.12 Technical Qualification Criteria (Compulsory Parameters)

Eligible Bidder/ Tenderer is a Bidder/ Tenderer who:

3.12.1 Is Registered/ Incorporated under the laws of Pakistan;

3.12.2 Has valid National Tax Number (NTN) and Registered for Sales Tax purposes for at least three (3) years.

3.12.3 Has Business experience in IT Lab Equipment (Lot-1) and/or CCTV Camera Setup (Lot-2) of at least three (3) years.
(at least 5x relevant authentic work orders for Lot-1 and/or Lot-2 required in last 3 financial years (July-21 to onward)

3.12.4 Whose quoted goods meet the given detailed specifications. (equivalency should be proven by bidder if required)

Note: Verifiable documentary proof for all above requirements is mandatory. Provisions of false information may lead to disqualification of bidder. FTN holder should also be registered with sales tax department separately.

3.13 Performance Guarantee

The successful bidder shall furnish Performance Guarantee as under:

3.15.1 Within Seven (07) working days of the receipt of acceptance letter from the purchaser;

3.15.2 In the form of a CDR / Demand Draft in favor of **"PDS-CEA SECURITY DEPOSIT A/C"** issued by a scheduled bank operating in Pakistan;

3.15.3 For a sum equivalent to 10% (Ten Percent) of the contract value;

3.15.4 In Pak Rupees;

3.15.5 Performance guarantee will be released to contractor on the successful completion of the warranty period.

3.15.6 The proceeds of the Performance Guarantee may be payable to the Purchaser, on occurrence of any/ all of the following conditions:

3.15.5.1 If the contractor commits a default under the Contract;

3.15.5.2 If the contractor fails to fulfill any of the obligations under the Contract;

3.15.5.3 If the contractor violates any of the terms and conditions of the Contract.

3.14 Acceptance Letter and Singing of the Contract

The lowest evaluated bidder shall be issued the acceptance letter after the announcement of Evaluation Report. However, formal contract will be signed after at least 10 days of the announcement of the Evaluation Report.

3.15 Redressal of grievances by the procuring agency

The Purchaser has constituted a committee comprising of odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur prior to the entry into force of the procurement contract. Any bidder feeling aggrieved by any act of the Purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than ten days after the announcement of the bid evaluation report to notified grievance committee.

4 CONTRACT AGREEMENT

This CONTRACT AGREEMENT (this "Contract") made as of the **[day]** of **[month]**, **[year]**, between **Punjab Daanish Schools & Centers of Excellence Authority** (the "Purchaser"), on the one part, and

[full legal name of Contractor & Address], on the other part severally liable to the Purchaser for all of the Contractor's obligations under this Contract and is deemed to be included in any reference to the term "the Contractor" for procurement of **IT Lab Equipment and/or CCTV Camera Setup for COE Tandlianwala, Peer Mahal & Chakwal.**

RECITALS

WHEREAS,

(a) The Purchaser has requested the Contractor to provide certain supply of Goods as described in Tender Document; and

(b) The Contractor, having represented to the Purchaser that it has the required professional skills, and personnel and technical resources, has agreed to provide such services on the terms and conditions set forth in this Contract.

NOW THEREFORE, the Parties to this Contract agree as follows:

1. The Contractor hereby covenants with the Purchaser to supply the Goods and to remedy damage therein, at the time and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of the payments to be made by the Purchaser to the Contractor.
2. The Purchaser hereby covenants with the Contractor to pay the Contractor, the Contract Price as may become payable, at the times and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of supply of the Goods and remedying of damage therein.
3. The Bid Document, Technical and Financial Bids, Acceptance Letter & Award Notification and Work Order shall be deemed to form and be read and construed as part of this Contract

IN WITNESS whereof the Parties hereto have caused this Contract to be executed in accordance with the laws of **Pakistan** as of the day, month and year first indicated above.

For **PDS&CEA, Lahore:**		For **[full legal name of the Contractor]:**	
Signature	_____	Signature	_____
Name	_____	Name	_____
Designation	_____	Designation	_____

WITNESSES

Signature	_____	Signature	_____
		CNIC	_____
Name	_____	Name	_____
Designation	_____	Designation	_____
Address	_____	Address	_____

5 CONDITIONS OF CONTRACT

5.1 Contract

Immediately on receipt of acceptance letter, the successful Tenderer shall arrange the Stamp Paper for signing of the contract provided in the tender documents. The Tenderer shall sign and date the Contract and return it to the Purchaser.

5.2 Contract Duration

The Contract duration shall be for current year ending on 30th June, 2025 or until the completion of work.

5.3 Standards

The Goods supplied under this Contract shall conform to the authoritative latest industry standards.

5.3.1 Inspections of the manufacturing units, where required, can be undertaken at any time.

5.3.2 Laboratory tests, whenever applicable, may be conducted at the expense of the contractor.

5.3.3 Necessary certifications may be asked for and examined to conform to standards.

5.4 Delivery

5.4.1 The contractor shall deliver the Goods within **60 days** of the issuance of the purchase orders. However, with mutual agreement this period can be shortened.

5.4.2 However, this period may be extended by the purchaser on his sole discretion upon a written request of contractor.

5.4.3 The Contractor shall provide the required Goods as is sufficient to prevent the damage or deterioration during storing and transit to their final destination as indicated in the Contract.

5.4.4 The Goods shall remain at the risk and under the physical custody of the Contractor until the delivery and taking over of the Goods is completed.

5.4.5 The Contractor shall ensure that the Goods shall be delivered complete and as per schedule of delivery.

5.4.6 The Contractor shall ensure to get signed “Delivery Challan” from Purchaser Representative upon successful deliveries.

5.5 Satisfactory Report

The Purchaser will issue Satisfactory Reports to the Contractor upon successful completion of delivery of goods and after due verification /checking/counting etc. of the goods keeping in view the nature of goods, which the Contractor is liable to provide in consideration of this Contract.

5.6 Payment

5.6.1 The Contractor shall provide separate breakup of item wise goods in the invoice.

5.6.2 The Purchaser shall pay the amount verified to the contractor. Payment shall not be made in advance and against partial deliveries and until Satisfactory delivery report is issued by the Purchaser.

5.6.3 All payments shall be subject to any and all taxes, duties and levies applicable under the laws of Pakistan.

5.7 Price

The Contractor shall not charge prices for the Goods supplied and for other obligations discharged, under the Contract, varying from the prices quoted by the Contractor in the Price Schedule.

5.8 Contract Amendment

5.8.1 The Purchaser may at any time, by written notice served to the Contractor, alter or amend the contract for any identified need/ requirement in the light of prevailing rules and regulations.

5.8.2 The Contractor shall not execute any Change until and unless the Purchaser has allowed the said Change, by written order served on the Contractor.

5.8.3 The Change shall constitute part of the obligations under this Contract, and the provisions of the Contract shall apply to the said Change.

5.8.4 No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

5.9 Assignment / Subcontract

5.9.1 The Contractor shall not assign or sub-contract its obligations under the Contract, in whole or in part, except with the Purchaser's prior written consent.

5.9.2 The Contractor shall guarantee that any and all assignees/ subcontractors of the Contractor shall, for performance of any part/ whole of the work under the contract, comply fully with the terms and conditions of the Contract applicable to such part/ whole of the work under the contract.

5.10 Extensions in time for performance of obligations under the Contract

If the Contractor encounters conditions impeding timely performance of any of the obligations, under the Contract, at any time, the Contractor shall, by written notice served on the Purchaser, promptly indicate the facts of the delay, its likely duration and its cause(s). As soon as practicable after receipt of such notice, the Purchaser shall evaluate the situation and may, at its exclusive discretion, without prejudice to any other remedy it may have, by written order served on the Contractor, extend the Contractor's time for performance of its obligations under the Contract.

5.11 Liquidated Damages

If the Contractor fails to provide the required Goods as is sufficient to prevent the damage or deterioration of Goods during storing as indicated in the Contract, the Purchaser may either deduct the amount from the Contract Price or the contractor shall pay the purchaser the amount equal to the original cost of the damaged/lost Goods due to any reason e.g. Accident, rain, damage and theft etc.

If the Contractor fails to provide any item within delivery time, 0.1 % penalty may be imposed for that particular item per day, upto the maximum of 10% of contract value.

5.12 Blacklisting

If the Contractor fails/ delays in performance of any of the obligations, under the Contract, violates any of the provisions of the Contract, commits breach of any of the terms and conditions of the Contract or found to have engaged in corrupt or fraudulent practices in competing for the award of contract or during the execution of the contract, the Purchaser may without prejudice to any other right of action/ remedy it may have, blacklist the Contractor.

5.13 Termination for Default / Insolvency

5.13.1 If the Contractor fails/ delays in performance of any of the obligations, under the Contract/ violates any of the provisions of the Contract/ commits breach of any of the terms and conditions of the Contract the Purchaser may, at any time, without prejudice to any other right of action/ remedy it may have, by written notice served on the Contractor, indicate the nature of the default(s) and terminate the Contract, in whole or in part, without any compensation to the Contractor. Provided that the termination of the Contract shall be resorted to only if the Contractor does not cure its failure/ delay, within fifteen working days (or such longer period as the Client may allow in writing), after receipt of such notice.

5.13.2 If the Purchaser terminates the Contract for default, in whole or in part, the Purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, Goods, similar to those undelivered, and the Contractor shall be liable to the Purchaser for any excess costs for such similar Goods. However, the Contractor shall continue performance of the Contract to the extent not terminated.

5.13.3 Similarly, if the Contractor becomes bankrupt or otherwise insolvent, the Purchaser may, at any time, without prejudice to any other right of action/ remedy it may have, by written notice served on the Contractor, indicate the nature of the insolvency and terminate the Contract, in whole or in part, without any compensation to the Contractor.

5.14 Force Majeure

5.14.1 For the purpose of this contract "Force Majeure" means an event which is beyond the reasonable control of a party and which makes a party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances, and includes, but is not limited to, War, Riots, Storm, Flood or other industrial actions (except where such strikes, lockouts or other industrial are within the power of the party invoking Force Majeure), confiscation or any other action by Government agencies.

5.14.2 The Contractor may not be liable for liquidated damages, blacklisting for future tenders, if and to the extent his failure/ delay in performance/ discharge of obligations under the Contract is the result of an event of Force Majeure.

5.14.3 If a Force Majeure situation arises, The Contractor shall, by written notice served on The Purchaser, indicate such condition and the cause thereof. Unless otherwise directed by The Purchaser in writing, The Contractor shall continue to perform under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

5.15 Dispute Resolution through Mediation and Arbitration

5.15.1 The Purchaser and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.

5.15.2 If, after thirty (30) working days, from the commencement of such informal negotiations, the Purchaser and the Contractor have been unable to amicably resolve a Contract dispute, either party may, require that the dispute be referred for resolution by arbitration by one or more arbitrators selected in accordance with mutual consultation. The place for arbitration shall be Lahore. The award shall be final and binding on the parties.

5.16 Penalty

In case the supplied goods are not found as per the given specifications during the inspection / laboratory tests, the purchaser will reserve the right to demand replacement of objected items or impose penalty with the approval of purchase committee as deemed appropriate in the light of observed / reported deviation.

5.17 Recovery Mechanism

Any excess payment made to the contractor inadvertently or otherwise, under the contract or on any account whatsoever, and any other sum found to be due to the government by the contractor in respect of this contract, or any other contract, or work order, or on any account whatsoever, maybe deducted from any sum whatsoever payable by government to the contractor, either in respect of this contract or any work order or contract, or on any other account by any other department of the government; or recovered from the contract or as "Arrears of Land Revenue".

5.18 Warranty

Contractor shall be responsible for warranty for a period of one (1) year from the date of delivery and installation and amount of performance guarantee will be released on the successful completion of warranty period.

6 ANNEXURES

Annexure-A

To be submitted with technical proposal

FORMAT FOR COVERING LETTER
On Official Letterhead of the bidder

To
Manager Procurement
PDS&CEA, Lahore

Subject: **Submission of Tender for IT Lab Equipment (Lot-1) and / or CCTV Camera Setup (Lot-2)**

Dear Sir,

a) Having examined the tender document and Annexures we, the undersigned, in conformity with the said document, offer to provide the said goods and services on terms of reference to be signed upon the award of contract for the sum indicated as per Price Schedule.

b) We undertake, if our proposal is accepted, to provide the goods and services comprise in the contract within time frame specified, starting from the date of issuance of purchase order from the purchaser.

c) We agree to execute a contract in the form to be communicated by the Purchaser, incorporating all agreements with such alterations or additions thereto as may be necessary to adapt such agreement to the circumstances of the standard.

d) We understand that you are not bound to accept a lowest or any bid you may receive, not to justify for rejection of any bid and that you will not defray any expenses incurred by us in biding.

e) We also declare that any of the Divisions / Departments of the Federal and Provincial Governments has not declared us blacklisted on charges of engaging in corrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and are aware of the relevant provisions of the Bid Document.

f) It is further certified that none of the owner / director or representative in this firm / company is / are owner / director or representative of any other black listed firm / company.

g) It is certified and undertaken that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with. We have gone through all the conditions of tender and are liable to any punitive action for furnishing false information/ documents.

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Authorized Signatures with Official Stamp

Annexure-B

To be submitted with technical proposal

Lot-1 (IT Lab Equipment)

Sr. #	Item Name	Specifications
1.	Computer Systems (Complete Sets Including CPU, LED, Keyboard & Mouse)	**Processor:** Intel Core i5 13th generation (Base frequency 2.9 GHz) or higher **Graphic Card:** Intel Integrated **DVD Writer:** Super DVD Drive or higher **Memory:** 8GB DDR-4 or higher **Storage**: 1TB or higher **Display LED:** 18.5" or higher, Low Radiation, 1024x768 Resolution supportive **HDMI Display**: Yes **Display Resolution**: Integrated Graphics Display **Sound Card:** Integrated **Network Adopter:** 1 Gigabit Ethernet card, and wireless adapter compatible with 802.11b/g/n or ac standards **Ports**: Min six USB 2.0 /3.0/4.0 ports, VGA and HDMI **PCI Slot**: One PCI/PCIe slot or higher. **Keyboard & Mouse:** Branded original USB (Keyboard and Optical Mouse) **Casing**: Manufacturer Standard casing with standard Power Supply **Accessories**: Branded power Cords, Manufacturer standard accessories.
2.	Router Board (Mikrotic or equivalent)	**Architecture:** ARM 32bit **CPU:** IPQ-8064 **CPU core count:** 2 **CPU nominal frequency:** 1.4 GHz **Dimensions:** 443x92x44mm **License level:** 5 **Operating System:** Router OS **Size of RAM:** 1 GB **Storage size:** 128 MB **Storage type:** NAND **Tested ambient temperature:** -20°C to 70°C **Rack Mountable:** Yes **Power Jack:** 1 **PoE in:** Passive POE **PoE out:** Passive POE **PoE in input Voltage:** 10 V to 30 V **Number of DC inputs:** 2 (DC jack, PoE-IN) **DC jack input Voltage:** 10-30 V **Max out per port output (input < 30 V):** 600 mA **Max total out (A):** 600 Ma
3.	Cable Tie 6 inch (Packet)	**Color:** White **Length:** 150 mm (5.9 Inch) **Width:** 2.5 mm **Min Tensile Strength:** 18 Lbs (80 N) **Max Bundle Diameter:** 1.44 Inch **Pack Quantity:** 1000 **Manufacturer:** Secure™ Cable Ties **Material:** Nylon 6/6 - General Purpose

Sr. #	Item Name	Specifications
4.	Cable Tag (Packet)	**Material:** Non-Magnetic (Plastic) **Thickness:** 14 gauge (75#) **Weight:** 57 grams ± 5g **Length:** 195 mm ± 3 mm
5.	PDU 8 Ports	**Form Factor:** Horizontal **Number of Power Outlets:** 8 **Rack-Mountable:** Yes **PERFORMANCE** **Load Capacity:** 1920 VA **Maximum Output Voltage:** 240V **Maximum Total Current:** 20A **Maximum Total Current Draw per Phase:** 20A **Nominal Input Voltage:** 110V - 240V **Nominal Output Voltage**: 110V - 240V **Phase Power:** Single phase power adapter **Power Cord Included:** 10 ft [3 m] C19 to NEMA5-20p **Regulatory related Input Current:** 16A **Surge Protection:** 3600 Joules **CONNECTOR(S)** **Input Connector(s):** 1 - IEC C20 (16A, 3 conductor) Power Plug Input **Output Connectors:** 8 - IEC C13 (10A, 3 conductor) Power Receptacle Output **Power Input Voltage:** 110V-240V AC
6.	24 Ports Gigabit Switch (CISCO or equivalent)	**Standards and Protocols** 802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3ab 1000BASE-T Gigabit Ethernet 802.3z Gigabit Ethernet 802.3x flow Control 802.1p Priority 802.3az, Energy Efficient Ethernet. **Ports:** 24-port Compact Gigabit Switch with 2 SFP Ports **LED Indicators:** System / PWR, Link / Activity, 100M, * Gigabit, *. **Power:** 100-240VAC, 50-60 Hz, internal, universal. **Operating Temperature:** 32 ° to 104 ° F (0 ° to 40 ° C). **Certifications:** UL (UL 60950), CSA (CSA 22.2), CE mark, FCC
7.	Wireless Router	**Enclosure Type**: Desktop **Frequency Band**: 2.4 GHz **Encryption Algorithm**: 128-bit WEP, 64-bit WEP, 152-bit WEP, WPA, WPA2, WPA-PSK, WPA2-PSK **Routing Protocol**: Static IP routing **Power Type**: External power adapter **Networking Type**: wireless router **Connectivity Technology**: wired & wireless **Data Link Protocol**: Ethernet, Fast Ethernet, IEEE 802.11b, IEEE 802.11g, IEEE 802.11b/g/n **FEATURES** 802.11b/g/n WAN Ports Qty 1 LAN Ports Qty 4 Connector Type RJ-45 USB Type 2.0, WAN / LAN

Sr. #	Item Name	Specifications
8.	Patch Cord 1 Meters	**Connector Type:** RJ-45 **Length (Metric):** 1 m **Category:** Cat 6 **Solution for:** Access Network: FTTH/FTTB/CATV, Access Network: xDSL, Enterprise Network: Data Center, Enterprise Network: POLS, Enterprise Network: Structured Cabling **Wire Gauge:** 24 American Wire Gauge (AWG) **Wire Type:** Stranded
9.	Patch Cord 3 Meters	**Connector Type:** RJ-45 **Length (Metric):** 3 m **Category:** Cat 6 **Solution for:** Access Network: FTTH/FTTB/CATV, Access Network: xDSL, Enterprise Network: Data Center, Enterprise Network: POLS, Enterprise Network: Structured Cabling **Wire Gauge:** 24 American Wire Gauge (AWG) **Wire Type:** Stranded
10.	Face Plate with Back Box (Baynet or equivalent)	Double Shutter Face Place for IO RJ 45 **Back box:** Plastic Box with Nut for wall mount
11.	IO RJ 45 (Baynet or equivalent)	**Application:** LAN networking's **Number of Ports/Pins:** 8 **Suitable for:** CAT6 / CAT6E **Flexible:** Yes **Outer Shield:** Metallic 
12.	Patch Panel 24 Port with IO (Loaded) (M2P)	**Dimensions:** • Height: 1.63" • Width: 19.00" • Depth: 11.73" (w/ cable bracket) • 1RU (rack unit) **Specifications:** • Patented: #6,302,742 B1 • UL • NEBS • EIA-310-D Compliant • Rated at 20 Amps/circuit **Accessories:** • SCSI II Cables P/N: PF • 20218-4 (Set of 4 at 8') P/N: PF 20218 (One cable at 8') Custom lengths available • Telco cables Custom lengths available 23" Mounting bracket (optional)
13.	Cat 6 Cable Roll (Hikvision or equivalent)	**Cable Type:** Cat 6 ▪ **Connectors:** Unterminated ▪ **Length:** 305m (1000ft) **FEATURES** ▪ Unterminated Cat 6 on Reel ▪ PVC Outer Jacket

Sr. #	Item Name	Specifications
		▪ Meter Marked ▪ 305m reel box ▪ 23 AWG CERTIFICATIONS ▪ UL listed ▪ EIA/TIA and ACMA approved ▪ AS/CA S008:2010 ▪ ANSI/TIA/EIA 568-B.2-1 CAT.6 ▪ ISO/IEC 11801 CLASS E, 2nd Edition ▪ IEC 61156-6 ▪ CENELEC EN 50173-1 CENELEC EN 50288-5-1
14.	RJ 45 Connector Box (AMP or equivalent)	**Type:** RJ45, CAT6 **Application:** Commercial **Gender:** Male **Material:** PC **Gold-plated:** FU,3U,6U,15U,30U,50U **Number of slots:** 8 **Copper sheet:** 8 **Terminal shape:** 2 forks **Packing:** 100pcs/bag **Weight:** 1.4g/pcs
15.	Punching Tool (KD-1 or equivalent)	Custom-Make Your Own Network or Telecom Cables  ● Terminates wire in I/O and Telephone strips. ● Strips flat modular and round network cable, such as Cat5e and Cat6 ● Scissor that can cut extra cable after punch in IO or stirp. ● Sturdy construction designed to last a long time ● Cable Plücker. ● Strips flat and round cable ● Cuts cable ● Sturdy construction for long life ● Easy-grip handle (Krone or Equal)
16.	Cable Tester (A Link or equivalent)	• For network cable (RJ45) and telephone (RJ11) tests. • Similar test can double-have twisted cables 1,2,3,4,5,6,7,8 and Ground, meanwhile, can judge wrong connection, short circuit and open circuit. • ON / OFF button. • With LED indicator. • Composing the master and remote two tests that can take a role in the testing easier. • Power by 9V battery. • Compact, durable design with a black plastic bag with zipper for storage.  Cable RJ45 network and RJ11
17.	Wire Stripper	• High strength • Light weight 

Sr. #	Item Name	Specifications
18.	Cable Cutter	• High strength • Efficient working • Low maintenance 
19.	12 U Wall Mountable Rack	**Dimension:** 12U 19", 590x600x440 mm, (H x W x D) **Type:** wall-mounted, welded body **Door:** Glass **Cable entry:** top + bottom **Mounting profiles:** 1 pair (front) **Fan cut-off:** Yes **Color:** RAL 7035 (grey) **Protection degree:** IP 20 **No of Rawal Bolt:** 4 (for mount)
20.	Crimping Tool (Informat or equivalent)	**Specifications** Custom-Make Your Own Network or Telecom Cables ● Terminates 4-wire RJ11 and 8-wire RJ45 modular plugs ● Strips flat modular and round network cable, such as Cat5e and Cat6 ● Single blade cuts cable cleanly ● Sturdy construction designed to last a long time ● Easy-grip handle feels comfortable in your hand  **Highlights** Terminates RJ11 and RJ45 modular plugs ● Strips flat and round cable ● Cuts cable ● Sturdy construction for long life ● Easy-grip handle
21.	Electric Light Plug with Back Box	Multi Pin 100 % Copper
22.	7/29 Single Core Cable Roll (90 Meters) Red	**Core:** Copper **Insulation:** PVC **Standard:** 227IEC, BS6500 **Conductor:** Copper Conductor **Rated Voltage:** 220/250V **Color:** Red **Package:** Coil of 90 Meters (GM Cable or Equivalent)
23.	7/29 Single Core Cable Roll (90 Meters) Black	**Core:** Copper **Insulation:** PVC **Standard:** 227IEC, BS6500 **Conductor:** Copper Conductor **Rated Voltage:** 220/250V **Color:** Black **Package:** Coil of 90 Meters (GM Cable or Equivalent)

Sr. #	Item Name	Specifications
24.	Duct Patti 1 inch 10 Feet (Adam G or equivalent)	**Material:** uPVC **Color:** White **Size:** H x W: 16x25 (Adam Gee or Equivalent)
25.	Duct Patti 2 inch 10 Feet (Adam G or equivalent)	**Material:** uPVC **Color:** White **Size:** H x W: 16x32 (Adam Gee or Equivalent)
26.	Printer	HP Laser Jet Pro M402dn or Equivalent Color: White Print Speed: up to 38 ppm Print Resolution: 600 dpi Processor Speed: 1200 MHz Display: 3=2 Line Backlit LCD Connectivity: Standard, 1 Hi-speed USB 2.0, 1 Host USB, 1 Gigabit Ethernet Network: Standard (built-in Gigabit Ethernet)
27.	Installation of IT Lab Setup	Complete installation of IT Lab Setup as per given layout plan.

Lot-2 (CCTV Security Equipment)

Sr. #	Item Name	Specifications
1	4MP IP IR Bullet Camera	HIK Vision or equivalent 4 Mega Pixel, HD real time video Image Resolution: 2048 x 1536 3D DNR/DWDR & BLC, IR LED 30 Meter, bracket Included, image setting IP66, Power supply:12 VDC+ 10%, POE (802.3af)
2	4MP IP Camera	HIK Vision or equivalent 4MP high resolution, HD real-time video Image Resolution:2048 x 1536 DWDR & 3D DNR, EXIR illuminators: up to 80m IP66, POE, Bracket included
3	2MP PTZ	HIK Vision or equivalent 1/2.8” Progressive scan CMOS 1080P Full HD resolution 30x / 20x optical zoom, 16x digital zoom Up to 100m IR distance True day/night, 3D DNR, Digital WDR 3D intelligent positioning 24VAC / High-POE Power Supply
4	16 Channel NVR	HIK Vision or equivalent Third-party network cameras supported Up to 5 mega pixels resolution recording HDMI and VGA output at up to 1920x1080P resolution 16-ch network cameras can

<table>
<tr><th>Sr. #</th><th>Item Name</th><th>Specifications</th></tr>
<tr><td></td><td></td><td>be connected with 50M
Incoming bandwidth
1 SATA interface
Support network detection
including network delay,
Packet loss</td></tr>
<tr><td>5</td><td>LED Perimeter Security Light 50 Watts</td><td>Sogo or equivalent
LED, 50 Watts</td></tr>
<tr><td>6</td><td>LED Perimeter Security Light 100 Watts</td><td>Sogo or equivalent
LED, 100 Watts</td></tr>
<tr><td>7</td><td>LED Screen/TV 40”</td><td>LED 40 “
Eco Star or equivalent
Resolution - 1920x1080
(Full HD)
A-Grade panel reduces the
amount of light scattering
in the matrix, which gives
IPS its characteristic wide
viewing angles and good
Color reproduction.
Smoother On-Screen
Movement with Motion Engine
PC Input
HDMI x 2 | USB x 1 powerful Dyna Con
Technology makes your picture clearer and closer to nature
Real Color Engine</td></tr>
<tr><td>8</td><td>Power Beam UBNT Pair</td><td>
<table>
<tr><td>Dimensions</td><td>620 x 620 x 386 mm (24.41 x 24.41 x 15.2")</td></tr>
<tr><td>Weight</td><td>6.4 kg (14.11 lb)</td></tr>
<tr><td>Power Supply</td><td>24V, 0.5A Gigabit PoE</td></tr>
<tr><td>Max. Power Consumption</td><td>8.5W</td></tr>
<tr><td>Gain</td><td>29 dBi</td></tr>
<tr><td>Networking Interface</td><td>(1) 10/100/1000 Ethernet Port</td></tr>
<tr><td>Processor Specs</td><td>Atheros MIPS 74Kc, 560 MHz</td></tr>
<tr><td>Memory</td><td>64 MB DDR2, 8 MB Flash</td></tr>
<tr><td>LEDs</td><td>(1) Power, (1) LAN, (4) WLAN</td></tr>
<tr><td>Signal Strength LEDs</td><td>Software-Adjustable to Correspond to Custom RSSI Levels</td></tr>
<tr><td>Max. VSWR</td><td>1.6:1</td></tr>
<tr><td>Channel Sizes</td><td>5/8/10/20/30/40 MHz</td></tr>
<tr><td>Polarization</td><td>Dual Linear</td></tr>
<tr><td>Enclosure</td><td>Outdoor UV Stabilized Plastic</td></tr>
<tr><td>Mounting</td><td>Pole-Mount (Kit Included)</td></tr>
<tr><td>Wind Loading</td><td>1510 N @200 km/h (340 lbf @125 mph)</td></tr>
<tr><td>Wind Survivability</td><td>200 km/h (125 mph)</td></tr>
<tr><td>ESD/EMP Protection</td><td>Air: ± 24 kV, Contact: ± 24 kV</td></tr>
<tr><td>Operating Temperature</td><td>-40 to 70° C (-40 to 158° F)</td></tr>
<tr><td>Operating Humidity</td><td>5 to 95% Noncondensing</td></tr>
<tr><td>Wireless Approvals</td><td>FCC, IC, CE</td></tr>
<tr><td>RoHS Compliance</td><td>Yes</td></tr>
<tr><td>Salt Fog Test</td><td>IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5</td></tr>
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<tr><th>Sr. #</th><th>Item Name</th><th>Specifications</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><td>Vibration Test</td><td>IEC 68-2-6</td></tr>
<tr><td>Temperature Shock Test</td><td>IEC 68-2-14</td></tr>
<tr><td>UV Test</td><td>IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4</td></tr>
<tr><td>Wind-Driven Rain Test</td><td>ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5</td></tr>
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</td></tr>
<tr><td>9</td><td>12U Rack</td><td>

Height: 12U (24.1" / 612mm)
Weight Capacity: 250 lbs.
Depth: 22.9" (582mm)
Usable Depth: 22.5" (572mm)
Width: 23.5" (597mm)
Rails: 19" EIA.

</td></tr>
<tr><td>10</td><td>Extension Lead for Field</td><td>Copper Wire
Minimum Wire Length 2meters
Minimum 4x Sockets</td></tr>
<tr><td>11</td><td>5 Port POE 250M</td><td>
<table>
<tr><td>Standard</td><td>IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at</td></tr>
<tr><td>Interface</td><td>5*10/100Mbps auto-negotiation ports, port1 to port4 support IEEE802.3 at/af PoE standard</td></tr>
<tr><td>Network Media</td><td>10BASE-TX: UTP category 5, 5e cable (≤250m)
100BASE-TX: UTP category 5, 5e cable (≤150m)</td></tr>
<tr><td>Forwarding Rate</td><td>10BASE-T: 14880pps/port
100BASE-TX: 148800pps/port</td></tr>
<tr><td>Back bound Bandwidth</td><td>1Gbps</td></tr>
<tr><td>Mac Address Table</td><td>1K</td></tr>
<tr><td>Transmission Method</td><td>Store-And-Forward</td></tr>
<tr><td>Indicator LEDs</td><td>5*Link/Act , 4*PoE Status, 1*Power, 1* 100Mbps</td></tr>
<tr><td>Input Power Supply</td><td>External Power Supply: DC: 51V/1.25A</td></tr>
<tr><td>Consumption</td><td>2 Watts (max. no PD connected)
63 Watts (max. with 58W PD connected)</td></tr>
<tr><td>Dimensions</td><td>100mm*100mm*26mm(L*W*H)</td></tr>
<tr><td>Weight</td><td><2kg</td></tr>
<tr><td>PoE Total Power</td><td>58W</td></tr>
<tr><td>Temperature</td><td>-10℃ ~ 40℃</td></tr>
<tr><td>Humidity</td><td>10%—90%RH (non-condensing)</td></tr>
<tr><td>Certification</td><td>FCC/CE/RoHS/EAC/BIS/RCM</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>4 TB HARD DRIVE</td><td>HIK Vision or Equivalent
Specifications: 4TB
Interface: SATA 6Gb/s
Drive Bays Supported: 8+
Cameras Supported: Up to 64</td></tr>
<tr><td>13</td><td>UTP Cable Cat 6</td><td>HIK Vision or Equivalent
Cable Type: Cat 6

Connectors: Unterminated
Length: 305m (1000ft)

FEATURES</td></tr>
</table>

Sr. #	Item Name	Specifications
		▪ Unterminated Cat 6 on Reel ▪ PVC Outer Jacket ▪ Meter Marked ▪ 305m reel box ▪ 23 AWG **CERTIFICATIONS** ▪ UL listed ▪ EIA/TIA and ACMA approved ▪ AS/CA S008:2010 ▪ ANSI/TIA/EIA 568-B.2-1 CAT.6 ▪ ISO/IEC 11801 CLASS E, 2nd Edition ▪ IEC 61156-6 ▪ CENELEC EN 50173-1 CENELEC EN 50288-5-1
14	PVC Pipe 1”	Popular or Equivalent 10 ft length
15	3/29 Power Cable Roll	GM Cable or equivalent (Red and Black) Pure Copper Wire 90-meter length
16	Cable Duct 16x25	Adamjee or equivalent 10 ft length
17	Cable Duct 16x38	Adamjee or equivalent 10 ft length
18	Iron Pole	Length 10 Feet Material: Iron
19	1KVA UPS with Cabinet	**Capacity:** 1000va **Input Voltage Range:** 170-280Vac (normal range) 90-280Vac (wide range) **Protection:** 15A fuse **Nominal Output voltage:** 230V **Frequency Range:** 50/60Hz **Solar Charger Max Solar Output Power:** 450W **Opt. Input Voltage Rang:** 15v-18v **Max Input Voltage Range:** 55Vdc **Charging Current:** 40amp Max **Efficiency AC to AC:** >95% **DC to AC:** >80% **Rated Battery Voltage:** 12V **Charging Current:** 15a/20a configurable Transfer time By Mode Line mode 15ms (Narrow) and 40ms (Wide) **Display:** LED/LCD **Dimension:** 220 x 87 x 252 mm **Environment Operating Temp.:** 0-50 degree **Battery Type** Lead Acid/Light Battery **Volt** 12v **AH** 90AH **Number of Plates** 15 **JIS Standard** N70 **Available Polarity** L/R/Thick pole/Thin pole
20	Waterproof Box	Water Proof Box 4”x4” size **Color:** Grey **Rated insulation voltage:** AC/DC 690 V **Current carrying capacity:** 102 A **Degree of protection:** IP 55 (ESM) **Material:** PS polystyrene thermoplastic **Width:** 101 mm **Height:** 101 mm

Sr. #	Item Name	Specifications
		Depth: 70 mm **Weight:** 0.35 kg
21	Camera Installation	Installation Charges of Camera
22	Wireless Equipment Installation	Installation charges of Wireless Equipment
23	HDMI Cable	20-meter length

Note-2: Purchase committee will have the right to select / choose the best design with given / improved / better specifications out of the samples provided by the bidders.

Annexure-C

To be submitted with financial proposal

PRICE SCHEDULE

Lot-1 – IT Lab Equipment					
Sr. #	**Item Name**	**Specification**	**Total Quantity (Pcs)**	**Rate (including all taxes and charges) (Rs)**	**Amount (Rs)**
1.	Computer Systems (Complete Sets)	As per **Annexure-B** of the Bid Documents	96		
2.	Router Board (Mikrotic or equivalent)	----------do----------	2		
3.	Cable Tie 6 inch (Packet)	----------do----------	6		
4.	Cable Tag (Packet)	----------do----------	6		
5.	PDU 8 Ports	----------do----------	2		
6.	24 Ports Gigabit Switch (CISCO or equivalent)	----------do----------	6		
7.	Wireless Router	----------do----------	4		
8.	Patch Cord 1 Meters	----------do----------	200		
9.	Patch Cord 3 Meters	----------do----------	60		
10.	Face Plate with Back Box (Baynet or equivalent)	----------do----------	110		
11.	IO RJ 45 (Baynet or equivalent)	----------do----------	120		
12.	Patch Panel 24 Port with IO (Loaded) (M2P)	----------do----------	6		
13.	Cat 6 Cable Roll (Hikvision or equivalent)	----------do----------	10		
14.	RJ 45 Connector Box (AMP)	----------do----------	6		
15.	Punching Tool (KD-1 or equivalent)	----------do----------	4		
16.	Cable Tester (A Link or equivalent)	----------do----------	4		
17.	Wire Stripper	----------do----------	6		
18.	Cable Cutter	----------do----------	4		
19.	12 U Wall Mountable Rack	----------do----------	4		
20.	Crimping Tool (Informat or equivalent)	----------do----------	4		
21.	Electric Light Plug with Back Box	----------do----------	180		
22.	7/29 Single Core Cable Roll (90 Meters) Red	----------do----------	4		
23.	7/29 Single Core Cable Roll (90 Meters) Black	----------do----------	4		
24.	Duct Patti 1 inch 10 Feet (Adam G or equivalent)	----------do----------	60		
25.	Duct Patti 2 inch 10 Feet (Adam G or equivalent)	----------do----------	80		
26.	Printer	----------do----------	4		
27.	Installation of IT Labs	----------do----------	2		
				Total Amount (Rs)	

Amount in words:

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Authorized Signatures of bidder
with Official Stamp

Annexure-C

To be submitted with financial proposal

PRICE SCHEDULE

Lot-2 – CCTV Cameras Setup					
Sr. #	**Item Name**	**Specification**	**Total Quantity (Pcs)**	**Rate (including all taxes and charges) (Rs)**	**Amount (Rs)**
1.	4MP IP IR Bullet Camera	As per **Annexure-B** of the Bid Documents	36		
2.	4MP IP Camera	----------do----------	9		
3.	2MP PTZ	----------do----------	3		
4.	16 Channel NVR	----------do----------	3		
5.	LED Security Lights 50Watts	----------do----------	150		
6.	LED Security Lights 100Watts	----------do----------	150		
7.	LED Screen 40”	----------do----------	3		
8.	Power Beam UBNT (Pair)	----------do----------	15		
9.	12U Rack	----------do----------	3		
10.	Extension Lead	----------do----------	15		
11.	5 Port POE 250M	----------do----------	15		
12.	4TB Hard Drive	----------do----------	3		
13.	UTP Cable Cat 6	----------do----------	6		
14.	PVC Pipe 1” (10’ length)	----------do----------	450		
15.	3/29 Power Cable	----------do----------	3		
16.	Cable Duct 16x25 (10’ length)	----------do----------	120		
17.	Cable Duct 16x38 (10’ length)	----------do----------	120		
18.	Iron Pole (10’ length)	----------do----------	15		
19.	1KVA UPS with Cabinet	----------do----------	15		
20.	Waterproof Box	----------do----------	30		
21.	Camera Installation	----------do----------	36		
22.	Wireless Equipment Installation	----------do----------	30		
23.	HDMI Cable 20 meter	----------do----------	3		
				Total Amount (Rs)	

Amount in words:

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Authorized Signatures of bidder with Official Stamp