



COLLEGE OF AGRICULTURE

(S.K.N. Agriculture University-Jobner)

Kumher – Deeg (Rajasthan)

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Dean

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No.F.()/OT/COA-K/2025/3227

Dated: 11.02.2025

Open Tender Notice

Sealed tenders are invited from the reputed firms/OEM for the supply of **Diesel Engine Pump set & Camera etc.** The tender downloaded from state procurement portal Website www.sppp.rajasthan.gov.in on university website www.sknau.ac.in or will be available in working days from 10.02.2025 to 21.02.2025 up to 10.30am. The tender will be accepted up to 21.02.2025 (11.00 a.m.) and will be opened on the same day at 11.30a.m. by the competent committee at College of Agriculture, Kumher, Bharatpur. Approximate purchase can be increased / decreased and F.O.R. at College of Agriculture, Kumher Distt. Deeg (Rajasthan). The detail information regarding above mentioned tender is available at our office and website www.sknau.ac.in. The undersigned reserve the right to Reject/Accept tender without assigning any reason of thereof.

S.No	Particular	Quantity	Bid fee	Amount (₹)	EMD @2%
1	Conference microphone with mic and speakers for smart classrooms	06	500	200000	4000
2	PTZ HD camera accessories and fitting for smart classroom	06		360000	7200
3	10X PTZ camera with accessories and fitting	01		61000	1220
4	CCTV camera with accessories and fitting	20		100000	2000
5	Diesel Engine Pump set 10 HP with Frame	01		120000	2400
Total			500	841000	16820


DEAN

Copy to the following information & n/a.

1. The Comptroller, SKNAU, Jobner requested to nominated member on dated 21.02.2025 for complete tender.
2. The Treasure Officer, SKANU, Jobner
3. Incharge CIMCA, SKNAU, Jobner to upload tender on www.sknau.ac.in and sppp.rajasthan.gov.in portal.
4. Convenor, Tender Committee, COA, Kumher
5. Commissioner, Information and Public Relation Directorate Jaipur to send tender for publishing in local Newspaper Like Dainik Bhaskar/ Patrika/ Rastradoot in Bharatpur division in lowest rate.
6. Account section COA Kumher
7. All Notice Board/ COA/Tahsil office/Panchayat office Kumher


DEAN

Annexure-2 (Envelope-1)

Terms and condition for purchasing of items at College of Agriculture

Important annexure/documents except financial bid should be kept in envelope 1 along with tender fee DD if not already paid to this office and earnest money DD.

- 1 Envelope 2 should contain only financial bid and it will be opened only when technical bid of the tenderer is passed
- 2 Submit a sealed envelope containing both envelope 1 and 2 to the office on or before 11:00 AM of 21.02.2025.
- 3 The Firm has to submit valid PAN and GST certificate (photocopy)
- 4 The firm must submit three years of turnover certified with CA and UDIN. or GST Return
- 5 The firm must submit forfeit certificate
- 6 The firm must enclose Authorised Dealer/ OEM Certificate
- 7 The firm deposit 2 % Security or EMD ₹ 16820/- amount with tender documents and supply item within a month at COA Kumher Deeg. Successful bidder shall have to deposit 5% security/performance deposits and 2% Security or EMD ₹ 16820/- will be adjusted for the same. The College/Institute is not liable for any claim of the interest on the security deposits. The amount deposit through DD/Bankers cheque (in favour of Dean College of Agriculture Bharatpur payable at Bharatpur)/UPI.
- 8 Free Installation and warranty of 3 yr of supply of instrument
- 9 The value of the work order against this tender will be maximum 8.41 lakhs. It will be increase and decrease as per budget.
- 10 The firm should enclose last two-year Instruments & satisfactory installation report.
- 11 Payment will be released after satisfactory installation and no advance payment will be made.
- 12 The undersigned reserve the right to Reject/Accept tender without assigning any reason of thereof.
- 13 The Rate should be quoted F.O.R College of Agriculture, Kumher-Deeg
- 14 Tender for purchasing of items for College of Agriculture should be mentioned on the top of envelope and should be sent in sealed envelope addressing Dean, College of Agriculture Bharatpur (Rajasthan).
- 15 No advance payment will be made to the tenderer and the money will be released only after satisfactory completion of work i.e. supply, installation and verification by purchaser.
- 16 The tenderer must put his signature and stamp on every paper of tender including terms and condition
- 17 The prices should be type written clearly in ink against each items. Cutting should be avoided as erroneous and overwriting are not permissible.
- 18 Any lapse in time may lead to action against the tenderer under RTPP 2012, RTPP 2013 and other rules laid down by Rajasthan Govt. from time to time and the penalty (L.D.) will be charged.
- 19 The material should adhere to the specification provided in G- Schedule.
- 20 The tender will be available from day of publishing to 11:00 AM of 05.2.2025 which can be submitted up to 11:00 AM on or before 13.2.2025 and the tender will be open at 11.30 AM on 13.2.2025. Incomplete tenders and tenders received late will not be entertained
- 21 Any other terms & conditions except cited above will be as per RTPP 2012, RTPP 2013, Rule no.68 of General Finance and Account, Raj. Govt. notification dated 19.11.2015 and other guidelines provided by state government from time to time
- 22 The firms from Rajasthan state and outside Rajasthan state which are not included in price preference status by General Finance and Audit rules of Rajasthan, while comparing the price quoted the Rajasthan sale tax/VAT will not be included and only central sale tax will be included. Which means the sale tax/VAT will not be included in price quoted by local firms while central sale tax will be included in price quoted by firms which are not in price preference status of Rajasthan Government. Liquidated damage (2.5 to 10 Percent) will be recovered as per Page 4 General finance and audit rules if the material is not supplied within time as per the following.
 - a) Lapse of one fourth period than the stipulated time – 2.50%
 - b) Lapse of one fourth periods but not half than the stipulated time – 5.00%
 - c) Lapse of half to three fourth period than the stipulated time – 7.50%
 - d) Lapse of more than three fourth period than the stipulated time – 10%

- 23 The tenderer will have to sign the "Fall clause" (Appendix J attached) stating that he will have to supply the material to other departments, corporations, boards, PSUs on the same minimum quoted rates as to the college till the contract expires.
- 24 The tenderer shall give an undertaking that his firm has not been black listed (Appendix I attached). If it is found otherwise then bid security, performance security will be seized and court case will be registered against him.
- 25 Lowest price quoted will not qualify for selection of tender but quality and desired standards/specifications will be considered.
- 26 The product must be certified
- 27 The rates quoted must be Freight on Receipt (FOR) at College of Agriculture, Kumher otherwise installation, cost of packing, forwarding, freight etc. and all other charges be given. No amount other than that is quoted in financial bid will be paid.
- 28 All taxes and excise duty if any to be charged extra should be mentioned clearly
- 29 Supporting documents shall be verified with originals during the of tender process. Supporting documents may also be sought as proof. Further, verifications of documents, claims, etc., may also be done by department any time even before/during or after finalization of tender bid/process
- 30 The Bid Security amount of the successful bidder may be adjusted in performance security of the bidder
- 31 Tender will be cancelled if the security deposit or tender fee is not submitted.
- 32 Successful bidder will have to sign performance contract on ₹ 500/- stamp paper & the expenses will be borne by him.
- 33 Successful bidder will have to deposit performance security amount of @ 5 % of the order given to the bidder in the form of DD favoring Dean, College of Agriculture, Bharatpur. Page 5
- 34 Dean, College of Agriculture, Kumher reserves the right to seize in part or whole amount of Performance security, Bid Security money if the tenderer violates the terms and conditions or fails to complete any provision.
- 35 The guidelines for number/figure mistakes in financial bids: The tender committee will rectify the numerical mistakes as per the following rules.
 - a If there is any mistake in multiplying unit price with quantity, the unit price will be considered and corrections will be made in grand total. If committee feels that there is mistake in decimal place of unit price then grand total will be considered & corrections will be made in unit price.
 - b If there is mistake in addition and subtraction of various units then unit prices will be considered and corrections will be made in total price.
 - c If there is mistake in figures and words then the words will be considered unless there is any mistake in writing the number ₹ The figures will be considered as per a) & b) listed above.
- 36 Any accident/ mishap during the execution of the job will be the responsibility of the agency concerned, which will get the necessary insurance done at their cost.
- 37 The tender form should be filled as per given terms and conditions.
- 38 Pre-laminated particle board of grade II of IS 12823.
- 39 Please submit helpline No. of firm or OEM
- 40 The bidder (s) is required to arrange for practical demonstration of item/good (s) quoted by them before finalization of the order.
- 41 All goods/items received would be subjected to inspection by Inspection Committee of the College before or after receipt or commissioning (as applicable) and the decision of the Inspection Committee shall be binding. Rejected items/goods shall be removed by the supplier at his own cost and risk, within two weeks of receipt of notice for the removal of such goods and no liability but so ever on the College shall be attached for the rejected/disapproved goods/items.

Specific Terms and Conditions

Generic Conditions: -

- 1 Generic Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
 - i) The Seller fails to comply with any material term of the Contract.
 - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.

- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - iv) The Seller makes a general assignment for the benefit of creditors.
 - v) A receiver is appointed for any substantial property owned by the Seller.
 - vi) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
- 2 Rajasthan Transparency in Public Procurement Act, 2012 and Rajasthan Transparency in Public Procurement Rules, 2013 will apply as per Finance Department, Government of Rajasthan Orde₹
 - 3 Liquidation damages will be deducted as per RTPP 2012, RTPP 2013 and other rules laid down by Rajasthan Govt. from time to time.

Technical Bid

- 1 There will be no exception in EMD in the bid. The bidder must submit EMD.
 - 2 Installation, Commissioning and Testing of goods will be carried out completely by the supplier.
 - 3 Supplier submitted the installation report supply in the any Institution last 5 year.
Supplier/OEM are submitted the customer care (Helpline Number) office and headquarter situated in all over India
 - 4 The supplied items are expected to have the manufacturer’s logo and product details embossed/printed on it.
 - 5 Department is competent to cancel the Tender without quoting any reason thereof.
 - 6 After the award of contract, the bidder is expected to execute the order before the ending of financial year 2024-2025.
- (i) Experience Criteria: - In respect of the filter applied for experience criteria, the Bidder should have regularly, manufactured and supplied educational purpose equipment’s to any Central / State Govt Organization / PSU / Government Undertaking Company for last 3 Financial years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during at least two of the three financial years. For fulfilling the experience criteria any one of the following documents may be considered as valid proof
 - (a) Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - (b) Execution / Completion certificate by concerned buyer with order value
 - (ii) The Bidder or should have executed a single order up to the value mentioned in the Bid, i.e 50% of the tender value for Products/ Educational purpose and tools in at least one of the last three financial years to any Central / State Govt Organization. For fulfilling the Past Experience criteria any one of the following documents may be considered as valid proof
 - (a) Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - (b) Execution / Completion certificate by concerned buyer with order value

- COMPLIANCE WITH THE CODE OF INTEGRITY :-) Any person participating in a procurement process shall-
- a Not offer any bribe reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process,
 - b Not misrepresent or omit that mislead or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation,
 - c Not indulge in any collusion, bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process,
 - d Not misuse any information shared between the procuring entity and the Bidders with an intent to gain unfair advantage in the Procurement process,
 - e Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the Procurement process.
 - f Not obstruct any investigation or audit of a Procurement process,
 - g Disclose conflict of interest, if any and
 - h Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

INSURANCE

- 1 The goods will be delivered at the destination godown in perfect condition. The supplier must insure the valuable goods against lost by theft destruction or damage by fire, flood under exposure to whether or otherwise viz. (war rebellion, riot etc.) The insurance charges will be borne by the supplier and state will not be required to pay such charges. The supplier is required to get the goods insured till 30 days after delivery.
- 2 It must be noted that normally all correspondence/reply to queries will be made only with the parties who has participated in the bidding process
- 3 Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, Additional terms and conditions and Corrigendum if any.
- 4 Buyer can ask to verify all the orders and received payment details which are submitted in the bid
- 5 Technical documents - The following documents must be attached with Technical Bid failing which Bid is liable to be rejected: -
 - a. Scanned copies of Bid Security EMD.
 - b. Scanned copies of Bid document form along with Specific Terms & Conditions duly signed and sealed by the authorized signatory.
 - c. G.S.T. registration certificate.
 - d. Scanned copy of PAN card.
 - e. The bidder is required to submit the proof of registration as follows: -

Type of Company/ Firm	Copy of Certificate required
Company (under Companies Act)	Valid Certificate of Incorporation
Proprietorship Firm	Shop & Establishment Certificate
Partnership Firm	Partnership registration certificate of registered deed of partnership
Limited Liability Partnership	Certificate of Incorporation

- a. All model and make to be mention otherwise bid will not be considered.
- b. Literature/Leaflets/Catalogue in original scan.
- c. Authorization Certificate of OEM sealed and signed on OEM Letterhead, providing details of OEM such as name, designation, address, e-mail ID and phone number are required to be furnished along with the bid, mentioning item name(s) for the authorisation has been given.
- d. 1 years Warranty/Guarantee Certificate on OEM/Bidder on 100/- Rs Notary stamp paper to be submitted with Tender Bid. The warranty period of the items may be stated clearly in technical bid. In case the same is not found stated, it will be presumed that warranty period in their respective specifications of tender document (it specified) is applicable.
- e. The bidder or the OEM of the offered products must have valid Certification:
- f. ISO 9001:2015, ISO 45001:2018, ISO 37001:2016 certified company. A copy of valid certification should be enclosed with the bid. Certification up to bid validity.
- g. The bidder shall quote F.O.R. destination prices only including the Freight inclusive of unloading and stacking and insurance charges. They will also indicate the prevailing rates of G.S.T (exclusive) in the quoted prices. If the tender is not filled completely, the offer is likely to be rejected.
- h. The Average Annual Turnover of the bidder for last three financial years (2021-22 to 2023-24) will be minimum equal to the estimated bid value i.e. 400% as per BID. A certificate issued by the Chartered Accountant (Showing the Annual Turnover of last three years) with their Signature, registration No. & Seal with UDIN must be submitted along with the bid.
- i. MANUFACTURER'S AUTHORIZATION (MAF):- I/We Name/Designation}.... hereby declare/ certify that {Name/ Designation} ... is hereby authorized to sign relevant documents on behalf of the company / firm in dealing with Tender, He/she is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid no -- and Items Name -- For the purpose of validation, his/her verified signatures are as under.
- j. SELF-DECLARATION NO BLACKLISTING: -In response to the Tender/ BID: __ for {Project Title}, as an Owner/ Partner/ Director of I/We hereby declare that presently our Company/ firm, at the time of bidding, is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of to me by any State/ Central government/ PSU/UT. If this declaration is found to be incorrect them without prejudice to any

other action that may be taken, my/ our security may be forfeited in full and out bid, to the extent accepted, may be cancelled.

- k. CERTIFICATE OF CONFORMITY/ NO DEVIATION {to be filled by the bidder on letterhead):- This is to certify that, the specifications of Hardware & Software which I/We have mentioned in the technical bid, and which I/We shall supply if I/We am/are awarded with the work, are in conformity with the minimum specifications of the tender/ bidding document and that there are no deviations of any kind from the requirement specifications. Also, I/We have thoroughly read the tender/bidding document and by signing this certificate, we hereby submit our token of acceptance to all the tender terms & conditions without deviations. I/We are also certified that the price I/We have quoted is inclusive of all the cost factors involved in the end-to-end implementation and execution of the project, to meet the desired Standards set out in the Tender/bidding Documents with contract person Telephone Number, Mobile Number, Email Address
- l. UNDERTAKING ON AUTHENTICITY OF ALL ITEMS and ALLIED EQUIPMENTS {to be filled by the bidder on letterhead}: -We hereby undertake that all the components/ parts/ assembly/ software used in the equipment shall be genuine, original and new components/ parts/ assembly/ software from respective OEMs of the products and that no refurbished/ duplicate/ second hand components/ parts/ software are being used or shall be used. In respect of licensed operating system, we undertake that the same shall be supplied along with the authorized license certificate with our name/ logo. Also, that it shall be sourced from the authorized source for use in India. In case, bidder is found not complying with above at the time of delivery or during installation, for the equipment already billed, the bidder agree to take back the equipment already supplied at the bidder's cost and return any amount paid to the bidder by the buyer in this regard and that the buyer will have the right to forfeit out EMD/ SD/ PSD/ for this bid or debar/ black list the bidder or take suitable action against the bidder.
- m. Self declaration form as per Annexure A
- 5 All legal matter subject to jurisdiction Bharatpur/Deeg, Rajasthan.
- 6 NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

Note :-

1. All required documents irrespective of whether mentioned or not otherwise are expected to be submitted on the letter head of the bidder/ OEM, failing in which may result in disqualification of bidder/ OEM from participating in the Bid.
2. Kindly read all the related terms and conditions carefully, not fulfilling ANY OF THE ABOVE criteria of the Bid will result in disqualification of the bidder from participating in the Bid.

Declaration by the Bidder regarding Qualification

In relation to my/our Bid submitted to for procurement of in response to their Notice Inviting Bid No. Dated.....

- 1. I/We hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:
- 2. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
- 3. I/We have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the bidding document;
- 4. I/We are not insolvent in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
- 5. I/We do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- 6. I/We do not have a conflict of interest as specified in the Act, Rules and Bidding Document, which materially affects fair competition;

Date:
Place:

Signature of Bidder

Name:
Designation:

DECLARATION BY TENDERERS

We hereby declare that we are Bona-fide manufacturer/Authorized whole sellers/Sole distributors/Authorized Dealer Distributor/Sole Selling/Marketing Agent in the Goods/Store/equipment's/item for which we have tendered. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Signature of Tenderer with seal

DECLARATION BY TENDERERS

I/We hereby declare that we are not blacklisted by any Govt. Department/PSU/Company from last 3 years, wherever we have supplied placement work/service unit, for supplying substandard goods/services to these units. I/We also declare that I/We are not defaulter, insolvent in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons.

Signature of Tenderer with seal



FALL CLAUSE CERTIFICATE

This is to certify that we have offered the maximum possible discount to you in our Quotation No. _____ dated _____

The prices charged for the stores supplied under Rate Contract should under no event be higher than lowest prices at which the party sells the items of identical description to any other Govt. Organization/ PSU's/ Central Govt./State Govt. Autonomous bodies/Central/State Universities/Central/State Educational Institutions during the period of contract failing which the "FALL CLAUSE" will be applicable. In case, if the price charged by our firm is more, purchasing will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier.

Seal and Signature of the Tenderer



[See rule 83]

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal Noof

Before the (First / Second Appellate Authority)

1. Particulars of appellant:

(i) Name of the appellant:

(ii) Official address, if any:

(iii) Residential address:

2. Name and address of the respondent(s):

(i)

(ii)

(iii)

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved: 4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:

.....
.....
.....

..... (Supported by an affidavit)

7. Prayer:

.....
.....
.....

Place

Date

Appellant's Signature

Annual Turnover

Certificate We hereby declare that the annual turnover of our firm is as under.

S.No. Financial Year Turnover (In Lakh)

1	2021-2022
2	2022-2023
3	2023-2024

Total Turn Over

Avg. Turn Over

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Signature of Tenderer with seal

Verified by C.A. with UDIN

Affidavit

(on non-judicial stamp paper of 100/-)

I..... S/o Aged..... yrs, residing at Proprietor/Partner/Director of M/s do hereby solemnly affirm and declare that

(a) My/our above noted enterprise M/s has been issued acknowledgement of Entrepreneurial Memorandum Part-II by the District Industries Center..... The acknowledgment No. is Dated and has been issued for manufacture of following items:

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)

(b) My/our above noted acknowledgement of Entrepreneurial Memorandum Part-II has not been cancelled or withdrawn by the Industries Department and that the enterprise is regularly manufacturing the above items.

(c) My/our enterprise is having all the requisite plant and machinery and is fully equipped to manufacture the above noted items.

Signature of proprietor /Director
Authorized Signatory with Rubber
Stamp and date

Verification

I..... S/oAged yrs residing at Proprietor / Partner/ Director of M/s verify and confirm that the contents at (a), (b) and (c) above are true and correct to the best of my knowledge and nothing has been concealed there in. So, help me God.

Deponent

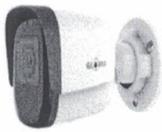
COLLEGE OF AGRICULTURE

(S.K.N. Agriculture University-Jobner)

Kumher(Rajasthan)

Technical Specification G Schedule

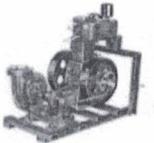
G-Schedule

S. No	Items	Description	Qty.	Specification	
1.	CCTV Camera with Accessories	IP 2 MP Camera along with all necessary accessories and installation	06	<p>(i) Image Sensor 1/2.8" 2MP PS CMOS Image Sensor (0.9071 centimeter)</p> <p>(ii) Minimum Illumination 0.005 lux@F1.6 (Color, 30 IRE), 0.0005 lux@F1.6 (B/W, 30 IRE), 0 lux (IR on)</p> <p>(iii) Effective Pixels 1920 (H) × 1080 (V)</p> <p>(iv) Angle Adjustment Pan: 0°–360°, Tilt: 0°–78°, Rotation: 0°–360°</p> <p>Shutter Speed Auto/Manual 1/3 s–1/100,000 s</p> <p>(v) White Balance Auto, Natural, Street lamp, Outdoor, Manual, Regional custom</p> <p>RAM 64 MB</p> <p>ROM 16 MB</p> <p>DORI Distance Lens 3.6mm: 58.9m (Detect), 23.6m (Observe), 11.8m (Recognize), 5.9m (Identify) Lens 2.8mm: 44.1m (Detect), 17.5m (Observe), 8.8m (Recognize), 4.4m (Identify)</p> <p>(v) Gain Control (AGC) Auto/Manual</p> <p>(vi) Lens Type Fixed-focal</p> <p>(vii) Max. Aperture F1.6</p> <p>(viii) Lens Mount M12</p> <p>(ix) Close Focus Distance 33.6 mm: 1.3 m, 2.8 mm: 0.8m</p> <p>Lens 3.6mm Fixed Lens (2.8mm Optional)</p> <p>(x) Video Compression H.265, H.264, H.264H, H.264B, MJPEG (Only supported by the sub stream)</p> <p>(xi) S/N Ratio >56dB</p> <p>(xii) Back Light Compensation BLC/ HLC/ DWDR</p> <p>(xiii) Angle of view 3.6 mm: H: 87°, V: 44°, D: 105°; 2.8 mm: H: 103°, V: 55°, D: 123°</p> <p>(iv) Encode Strategy Insta stream, H.264+</p> <p>(xv) Stream Capability 2 streams</p> <p>(xvi) Frame Rate Main stream: 1920 × 1080 @ (1–25/30 fps) sub stream: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps)</p> <p>(Resolution 2M (1920×1080), 1.3M (1280×960), 1M (1280×720), D1 (704×576 / 704×480), VGA (640×480), CIF (352×288 / 352×240)</p> <p>(xvii) Motion Detection OFF/ON (4 areas, rectangular)</p> <p>(xviii) Privacy Mask 4 areas</p> <p>(xix) Noise Reduction 3D DNR</p> <p>(xx) ROI Support (4 areas)</p> <p>(xxi) Audio Compression G.711a, G.711Mu, PCM, G.726, AAC</p> <p>(xxii) Bit Rate Control CBR/VBR</p>	

				<p>(xxiii) Bit Rate H.265: 12 kbps–4096 kbps, H.264: 32 kbps–4096 kbps</p> <p>(xxiv) Human body Detection Support Protocol IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP, ONVIF (Profile S; Profile T), CGI</p> <p>(xxv) Intelligent Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos</p> <p>(xxvi) SDK and API Support</p> <p>(xxvii) Ethernet RJ-45 (10/100Base-T)</p> <p>(xxviii) Day/Night Color/B/W</p> <p>(xxix) Alarm Event Network disconnection, IP conflict, illegal access, motion detection, video tampering, audio detection, security exception, SMD (human)</p> <p>(xxx) User/ Host 6 Users (Total bandwidth: 24 M)</p> <p>(xxxi) Cyber Security Video encryption, Configuration encryption, Digest, WSSE, Account lockout, Security logs, Generation and importing of CA certification, HTTPS, Trusted boot, Trusted execution, Trusted upgrade</p> <p>(xxxii) Mirror Function Support Browser IE, Chrome, Firefox smart phone iPhone, iPad, Android Phone Iris Control Fixed IR Control Auto, Manual</p> <p>(xxxiii) Image Rotation 0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower) IR Number 1 (Multi-core (IR + warm) light) Audio Built-in Mic Smart IR Support IR IR Range of 30 Mtr. Warm Light Distance Warm Light Range of 30 Mtr. Power Source 12 VDC/PoE (802.3af)</p> <p>(xxxiv) Power Consumption Basic: 1.4 W (12 VDC), 2.2 W (PoE); Max.: 3.3 W (12 VDC), 4.4 W (PoE) (H.265 + intelligence on + warm light intensity)</p> <p>Weatherproof Standard IP67 Operating Temperature –40 °C to +60 °C (–40 °F to +140 °F) Operating Humidity ≤95% (RH), non-condensing</p>	
2.	10X PTZ Camera with Accessories and fitting	Full HD 1080p 60fps PTZ Hybrid Video Conferencing Camera with 10x Optical Zoom &	01	<p>(i) Optical Zoom:- 5x</p> <p>(ii) Digital Zoom:- 10x</p> <p>(iii) Camera Resolution 1080p 60fps, 1080p 30fps</p> <p>(iv) Sensor 1/2.8" CMOS Sensor</p> <p>(v) Effective Pixels 2.07M</p> <p>(vi) Scanning Mode Progressive</p> <p>(vii) Minimal Illumination 0.5 Lux @ (F1.8, AGC ON)</p> <p>(viii) Shutter 1/30s ~ 1/10000s</p> <p>(ix) White Balance Auto, Indoor, Outdoor, One</p>	

	<p>12x Digital Zoom, 255 Presets, USB 3.0 & HDMI & RJ45 Based Video Output, PoE Support with Hand held Remote Control along with all necessary accessories and installation</p>	<p>Push, Manual (x) Digital Noise Reduction 2D&3D Digital Noise Reduction Video S/N ≥55dB (xi) Horizontal/Vertical Field of View 72.5 degree/44.8 degree (xii) Pan Speed Range -170 degree to +170 degrees (xiii) Tilt Speed Range -30 degrees to +90 degrees (xiv) Number of Presets and accuracy 255, 0.1° (xv) Video Resolutions 1080p, 720p, 540p, 480p, 360p, 240p (xvi) Device Function & Interface Audio Encoding AAC audio encoding for better sound quality and smaller band width Low Light High SNR of CMOS sensor even under low illumination conditions picture can still keep clean and clear Remote Control All parameters of the camera remotely controlled by the high-speed communications, handheld remote control (xvii) USB Interface USB3.0 x 1, RJ45 x 1 Audio Encoding 1-ch: 3.5mm Audio Interface Line In Communication Interface RS232 In: 8pin Min DIN, Max Distance: 30m, RS232 In: (xviii) Protocol: VISCA/Pelco-D/Pelco-P (xix) Power Jack JEITA type (DC IN 12V) (xx) USB Feature Operate System Supported Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android Video Format 3.0 1080P@60fps, 1080P@30fps, Audio on USB Support USB Video Communication Protocol UVC 1.5 (xxi) Physical Characteristics Input Voltage DC 12V Current Consumption 1.0A (Max) Operating Temperature 0°C ~ 40°C (14°F ~ 104°F) Storage Temperature -5°C ~ 60°C (-40°F ~ 140°F) Power Consumption 12W (Max) High Resolution and Optimum Zoom Comes with a superior and crystal-clear video resolution of 1080p which supports up to 12x of powerful optical zoom. It brings a vast range of clarity to your video conferencing while increasing the communication capability. (xxii) Accessories</p>	
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				IR remote control, USB cable, Power adaptor and cable, user manual	
3.	PTZ Camera with Accessories and fitting for smart classroom	Full HD 1080p 60fps PTZ Hybrid Video Conferencing Camera -with 5x Optical Zoom & 10x Digital Zoom, 255 Presets, USB 3.0 & HDMI & RJ45 Based Video Output, PoE Support with Hand held Remote Control	06	<p>(i) Optical Zoom:- 5x (ii) Digital Zoom:- 10x (iii) Camera Resolution 1080p 60fps, 1080p 30fps (iv) Sensor 1/2.8" CMOS Sensor (v) Effective Pixels 2.07M (vi) Scanning Mode Progressive (vii) Minimal Illumination 0.5 Lux @ (F1.8, AGC ON) (viii) Shutter 1/30s ~ 1/10000s (ix) White Balance Auto, Indoor, Outdoor, One Push, Manual Digital Noise Reduction 2D&3D Digital Noise Reduction Video S/N ≥55dB (x) Horizontal/Vertical Field of View 72.5 degree/44.8 degree (xi) Pan Speed Range -170 degree to +170 degrees (xii) Tilt Speed Range -30 degrees to +90 degrees (xiii) Number of Presets and accuracy 255, 0.1° (xiv) Video Resolutions 1080p, 720p, 540p, 480p, 360p, 240p (xv) Device Function & Interface Audio Encoding AAC audio encoding for better sound quality and smaller bandwidth Low Light High SNR of CMOS sensor even under low illumination conditions picture can still keep clean and clear Remote Control All parameters of the camera remotely controlled by the high-speed communications, handheld remote control USB Interface USB3.0 x 1, RJ45 x 1 Audio Encoding 1-ch: 3.5mm Audio Interface Line In Communication Interface RS232 In: 8pin Min DIN, Max Distance: 30m, RS232 In: Protocol: VISCA/Pelco-D/Pelco-P Power Jack JEITA type (DC IN 12V) (xvi) USB Feature Operate System Supported Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android Video Format 3.0 1080P@60fps, 1080P@30fps, Audio on USB Support USB Video Communication Protocol UVC 1.5 (xvii) Physical Characteristics Input Voltage DC 12V Current Consumption 1.0A (Max) Operating Temperature 0°C ~ 40°C (14°F ~ 104°F)</p>	

				<p>Storage Temperature -5°C ~ 60°C (-40°F ~ 140°F) Power Consumption 12W (Max) High Resolution and Optimum Zoom Comes with a superior and crystal-clear video resolution of 1080p which supports up to 12x of powerful optical zoom. It brings a vast range of clarity to your video conferencing while increasing the communication capability. Accessories IR remote control, USB cable, Power adaptor and cable, user manual</p>	
4.	Conference Microphone with mic and Speakers for Smart Class Room	Wireless Omni directional microphone cum speakerphone with built in 6-array microphone	01	<p>Microphone Number of MIC Should have inbuilt 8 microphone connected in array Sensitivity -26dBFS +/-1dB @ 1Pa Frequency response 90Hz – 16kHz DSP functionality Should Have AI Noise algorithm with Acoustic Echo Cancellation (AEC), Voice Activity Detection (VAD), Automatic Noise Cancellation (ANC) Type Wireless Form Factor Boundary Layer If Wireless, Operating Range 10 meter If Table Top, Length of Goose-neck (mm) 0 millimetre Polar Pattern / Directionality NA Microphone Transducer Type Dynamic</p>	
5	Diesel Engine Pump set	Diesel Engine Pump set 10 HP with Frame		<ol style="list-style-type: none"> 1. Slow speed 2. Single cylinder 3. Double wheel 4. 10 HP 5. 1000 RPM 6. Water Pump inlet outlet- 3"x2.5" with Fast and loose pulley, check wall, bend and connecting belt etc. 7. Pulley diameter on engine 220MM-230MM & on pump 120MM-130MM (± 10MM) 8. Engine and water pump fitted on one heavy duty frame 	

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College of Agriculture, Kumher
Supply of STUDENTS BENCH& DESK

Technical specification

S. No	Items	Specification	Make/Model of item/ goods offered	Proof (submitted at page No.)
1	Conference microphone with mic and speakers for smart classrooms	As per specification given		
2	PTZ HD camera accessories and fitting for smart classroom	As per specification given		
3	10X PTZ camera with accessories and fitting	As per specification given		
4	CCTV camera with accessories and fitting	As per specification given		
5	Diesel Engine Pump set 10 HP with Frame	As per specification given		

Signature of Tenderer with seal

COLLEGE OF AGRICULTURE
(S.K.N. Agriculture University-Jobner)
Kumher (Rajasthan)
Financial Bid

S.No.	Particulars /Items	Price All Tax /GST Included	If any
1	Conference microphone with mic and speakers for smart classrooms		
2	PTZ HD camera accessories and fitting for smart classroom		
3	10X PTZ camera with accessories and fitting		
4	CCTV camera with accessories and fitting		
5	Diesel Engine Pump set 10 HP with Frame		

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