

**UTTARAKHAND CIVIL AVIATION
DEVELOPMENT AUTHORITY
GOVT OF UTTARAKHAND**

**SELECTION OF AN AGENCY TO PROVIDE DESIGN, SUPPLY,
INSTALLATION, TESTING AND COMMISSIONING OF
SURVEILLANCE SYSTEM USING LOCAL WIRELESS NETWORK ON
CHAR DHAM ROUTE INCLUDING 03 YEARS OF COMPREHENSIVE
MAINTENANCE.**

TENDER SCHEDULE

Tender Ref. No.	1448/UCADA/Camera/2025-2 nd Call
Date of downloading tender document at uktenders.gov.in	14/08/2025 Time 16:00 HRS
Start date for submission of bids	14/08/2025 Time 16:00 HRS
Pre bid meeting	19/08/2025 Time 12:00 HRS Link for participation: https://meet.google.com/dit-xqcr-ojp Interested bidders must send their queries to an email to ucadadoon@gmail.com at least 1 day prior to the pre-bid meeting as no query shall entertained after the mentioned date.
Last date for submission of documents physically at UCADA	21/08/2025 Time 12:00 HRS
Last date for submission of bids	21/08/2025 Time 11:00 HRS
Date of opening of technical bid	21/08/2025 Time 12:00 HRS
Date of opening of financial bid	Shall be intimated later by email to the technically qualified bidders
Place of Pre-bid meeting, opening of bids and Address for communication	Uttarakhand Civil Aviation Development Authority (UCADA) Sahastradhara Heliport, P.O. Kulhan, Dehradun- 248013, Uttarakhand

OBJECTIVE

The Role of ICT (INFORMATION AND COMMUNICATION TECHNOLOGY) for better services in pilgrimages cannot be discarded. Administration wants to develop a local wireless communication system with a bandwidth of 350 Mbps for Monitoring of Helicopter route which will be redundant in nature and independent of any Telco. Further this network will be integrated with NIC/SWAN network. Following are its main objectives: -

1. To reduce the response time during any kind of disaster.
2. To connect all Major Helipad and Char Dham valley with UCADA Head Office Dehradun with SWAN/NIC etc.
3. To provide better services to other stake holders like police, SDRF, district administration etc.

TENDER NOTICE

**Uttarakhand Civil Aviation Development Authority,
Sahastradhara Heliport, Sahastradhara Road, Dehradun**

1. E-tenders in Two Bids (Technical & Financial) are invited on behalf of the CEO, Uttarakhand Civil Aviation Development Authority, Dehradun from reputed, competent and experienced agencies, for Design, Supply, installation, testing and Commissioning of surveillance system using local wireless network on Char Dham route.
2. Bids shall be submitted online only at Uttarakhand e-procurement website: <https://uktenders.gov.in>.
3. The complete bidding process is online. Bidders should be in possession of valid digital Signature Certificate (DSC) for online submission of bids. Prior to bidding, DSC needs to be registered on the website mentioned above. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at **0120-4001002, 0120-4001005, 0120-4493395**.
4. Tenderer/Contractor/Bidders are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer/Bidders for the e-submission of the bids online through the Uttarakhand e-Procurement Portal <https://uktenders.gov.in>.
5. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
6. **Original** earnest money deposit (EMD) and tender fee only to be delivered, if not availing MSME exemption to Uttarakhand Civil Aviation Development Authority (UCADA), Sahastradhara Heliport, Sahastradhara Road, Dehradun on or before last date/time of Bid Submission as mentioned above. The bid without EMD and tender fee will be summarily rejected.
7. The tender shall be submitted online in two parts, viz., technical bid and financial bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by email shall not be considered. No correspondence will be entertained in this matter.

8. Any future clarification and/or corrigendum(s) shall be communicated through our website www.ucada.in / Uttarakhand e-procurement website: <https://uktenders.gov.in>. The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only these bids, taking care of such corrigendum(s) shall be considered for finalisation of the tender.
9. Bidder should necessarily enclose a covering letter mentioning a summary of applied document with proper numbering. Secondly, bid should also attach a compliance sheet as per specification mentioning that they are complying to all specification or have any variation.

**CEO
UCADA**

UTTARAKHAND CIVIL AVIATION DEVELOPMENT AUTHORITY

Sahastradhara Heliport, Sahastradhara Road, Dehradun

(Forwarding Letter/Undertaking)

(SCHEDULE-'A')

Dear Sir,

- a. I/We hereby submit our documents against the above tender for Design, Supply, installation, testing and Commissioning of surveillance system using local wireless network on Char Dham route.
- b. I/We now enclosing herewith the FDR/CD/Term Deposit Receipt_____dated _____ for Rs. ----- drawn in favour of "CEO UCADA" towards EMD/Bid Security. (Tender not accompanied with EMD/Bid Security along with Technical Bid (Part-I) shall be summarily rejected).
- c. I/We have gone through all terms and conditions of this tender before submitted the same and agreed to all the terms and conditions, stipulated by the UCADA in this connection.
- d. I/We have noted that over written entries shall be deleted unless cut & re-written entries are duly initialed.
- e. Tender is duly signed (No thumb impression should be affixed) by the proprietor/authorized signatory.
- f. I/We undertake to sign the contract/agreement, if required, within 7 days from the issue of the letter of acceptance/offer, failing which our/my security money deposited maybe forfeited.

Note:

- i. All terms and conditions such as statutory liabilities and service charge etc., have been indicated in the quotations failing which it will be presumed that the rates are inclusive of the above and other terms and conditions are also as per your requirements.
- ii. Applicable GST is exclusive.
- iii. The forwarding letter/schedule-A duly signed, as required, form part of the tender shall be submitted along with tender documents failing, which the tender shall be rejected.

Yours Sincerely,

**Signature with rubber stamp
of Tenderer with full Address**

1. WITNESS WITH FULL ADDRESS & PHONE NO.

TENDER FOR DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SURVEILLANCE SYSTEM USING LOCAL WIRELESS NETWORK ON CHAR DHAM ROUTE INCLUDING 03 YEARS OF COMPREHENSIVE MAINTENANCE.

Name of work & file reference	1448/UCADA/Camera/2025-2 nd Call SELECTION OF AN AGENCY TO PROVIDE DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF SURVEILLANCE SYSTEM USING LOCAL WIRELESS NETWORK ON CHAR DHAM ROUTE INCLUDING 03 YEARS OF COMPREHENSIVE MAINTENANCE.
Tender cost (in Rs.)	Rs. 1180/- (Including GST)
EMD/Bid Security (in Rs.)	Rs. 50,000/- Note: Bidders who have already participated in 1st call of the tender need not to submit the original EMD again in office of the bid inviting officer. However, tender fee is mandatory to be submitted.
Average Annual Turnover	Rs. 50 Lakh
Performance Security	Rs. 1 Lakhs.
Validity of Proposal	The Proposal shall be valid for not less than 180 (One hundred Eighty) days from the last date for Proposal submission (but excluding the day of Proposal submission). Proposals of lesser validity shall be summarily rejected as non-responsive.

The tender form shall be available on Uttarakhand e-procurement website (www.uktenders.gov.in) from where it can be downloaded and a demand draft of **Rs 1180/- (Rupees one thousand one hundred eighty only)** in favour of CEO, UCADA payable at Dehradun should be submitted at the time of submission of tender form **(COST OF TENDER FORM)**.

Last date for submission/receipt of tender(s) is up to 21/08/2025 at 11:00 AM and technical bids will be opened by the Tender Committee in the presence of tenderers or their authorized representatives who wish to be present on 21/08/2025 at 12:00 AM in the Tender Office UCADA. In case, any holiday falls on the day of opening, the tenders will be opened on the next working day at the same time.

The tenders received after the above said scheduled date and time will not be considered. No tender by fax will be entertained.

Eligibility Criteria:

- Legal Valid Entity; -
- 1. The bidder may be a proprietary firm, partnership firm, limited company, corporate body legally constituted, who possess the required licenses, registrations etc. as per law valid at least for 12 months from the date of the opening of tender.
- 2. The bidder should have an average annual turnover of ₹ 50.00 Lakh during last three financial years (i.e., 2021-22, 2022-23 and 2023-24). (The bidder has to submit the turnover certificate duly certified by statutory auditor for this purpose along with technical bid.

Note:

- I. Work referred above should be in the name of a firm as a single entity and not aggregates of joint venture firms/associates or cartels.
 - II. Completed work shall mean work under one contract with extension/s. Work considered should either have been completed/ concluded or should have been more than one-year-old live contracts with extension/s, if any. In case of running contract, value of payment received till date of issue of certificate shall be the qualifying amount.
 - III. Nature of work shall mean providing security, surveillance and maintaining discipline and separation of threats against Assets only. The contracts associated with Housekeeping, Facility Management, Sanitary etc. which are not connected with the security and surveillance will be outside the scope of the work.
- 3. Bidder has to attach audited balance sheets and profit and loss account statements. Details of annual turnover should also be duly certified by the statutory auditor. (Amount Exclusive of GST will be considered for evaluation). Details of annual turnover should also be furnished as per format given in this tender (Annexure - A), duly certified by a practicing CA along with CA Registration Number.
 - 4. The bidder should not have incurred loss in last financial years (2023-24). This is to be certified by a practicing-chartered accountant along with CA registration Number.
 - 5. The net worth of the company as on 31st March 2024 should be positive. This is to be certified by a Practicing CA along with CA registration Number.
 - 6. The bidder should be registered with following Government bodies/institutions and should have-
 - a. Proof of Registration of Firm/ Company Memorandum of Association (MoA)
 - b. PAN Card Number under the Income Tax Act
 - c. GSTN Number
 - d. ITR for last three financial year

7. An affidavit, duly certified by a notary public that there are no ongoing criminal case/vigilance enquiry against the firm/Partners/Proprietor/Society/Director of the company and he/she has never been convicted or punished by any competent court of law.
8. Blacklist affidavit- the bidder has not been debarred and or blacklisted by any central/state government department. An affidavit on Rs. 100/- non-Judicial stamp paper duly notarized shall be enclosed with the technical bid to that effect.
9. The bidder shall submit valid status certificate (*Haisiyat Praman Patra*)/solvency certificate issued by the competent authority not more than 6 months old, for an amount of Rs. 15 Lakhs. The bidder should submit the self-attested copy of the following documents along with the technical bid, failing which the bid shall be liable to get rejected.
 - a. Audited copies of annual account duly attested by CA of last three years i.e. 2021-2022, 2022-23 & 2023-24.
 - b. Income tax return for last three financial years i.e. 2021-2022, 2022-23 & 2023-24.
 - c. GST Registration certificate
 - d. Copy of PAN Card
 - e. List of similar works carried out & List of similar works in Hand along- with satisfactory certificates.
 - f. Detail of modalities regarding the implementation of the project.
 - g. Company's name, core business along-with a list of qualified and professional manpower already available with the tenderer in all categories - managerial, supervisory and workers on the ground to handle such jobs, their professional qualifications and experience in the field. (Name of each professional and his qualification to be clearly mentioned in the list to be enclosed).
 - h. Back up support on engineering and system support to ensure hassle free services
10. The Companies/ Registered Agencies/ Firms should have a minimum experience of executing 01 surveillance in last 03 years ending on 31st march 2025. Completion certificate / Go-live issued by the client to be submitted
11. The tenderer must have sound financial background. It should have positive net worth of at least Rs.15.00 lakhs each year continuously for last three years (last 3 years consolidated net worth must be more than Rs. 50 Lakh).
12. Party shall submit its tender as a Single Bidder no consortia is allowed.
13. The bidder shall submit network layout/plan including topological maps, frequency interference mitigation strategy, and last-mile connectivity diagrams in technical bid.

SCOPE OF WORK

The scope of work includes the Design, Supply, installation, testing and Commissioning of surveillance system using local wireless network on Char Dham route including 03 years of comprehensive maintenance. This whole project is the amalgam of: -

- 1. Planning of Network (Survey Reports)**
- 2. Installation and commissioning of wireless PTP and PTMP network**
- 3. Installation and Commissioning of uninterrupted Power Backup**
- 4. Installation and Commissioning of e surveillance.**
- 5. Setting up of Control Room at Sahastradhara Heliport.**
- 6. Integration of Local wireless intranet communication system with NIC/SWAN**
- 7. Comprehensive Maintenance of surveillance system for a period of 03 year.**

1. Planning of Network

UCADA wants to create a network of 350 Mbps full duplex speed from Char Dham routes to UCADA Control Room and connect all the helipads along network track. Line of sight profiles will be used for planning and installation of network. All the profiles like Coordinates in LAT Long, Azimuth in degrees, elevations antenna height and mast height will be used to reduce the no. of POP in between UCADA Control Room and Char Dham route. Planning is also required to reduce the frequency Interference (Noise Levels) of the wireless base stations. Planning of network will be done in WGS 84 mode and in accordance with DOT. Wireless network has to provided by the vendor towards nearest NIC/SWAN

Shortlisting of Venders

A technical committee will be formed to evaluate the survey reports of experience vendor. This committee will shortlist the experienced vendors to create a topology network.

2. Installation and Commissioning of Wireless PTP and PTMP Network

A. Installation and Erection of Pole Mast. (Civil work)

As per planning reports, the erection of mast will be done at specified positions. A pole mast with base plate will be used. Excavation of earth will be done in accordance with R&B norms. Guy ropes if required will be used for stabilization of mast. Aviation light and Lightening arrestor will be mounted on every mast.

B. Installation of ODU (Out Door Units) Base station units.

IP 67 based outdoor wireless UBR products with 350 Mbps of throughput will be used. Mounting of integrated Antenna will be used. Antenna will be aligned to get the expected throughput. Structured cabling using Outdoor CAT6e cables will be done.

C. Installation of IDU (Indoor Units)

A pre-fabricated communication Rack will be used for installation of IDU. All the equipment's will remain in racked position.

3. Installation and Commissioning of uninterrupted Power Backup

As per the consumption of network, each installation point will be provided and uninterrupted power supply of 24 hours using SMF Batteries of 150 Ah.

4. Installation and Commissioning of e surveillance

High End Night Vision IP67 based IP PTZ cameras will be installed on the mentioned location as below along the network route to track / monitor the Helipads and the ariel route of Char Dham Valley. These PTZ cameras will provide 24X7 live feed to the administration to monitor the situation every time. A high-end NVR will be place at all the UCADA Control Room, Sahastradhara Heliport for recording the events of each camera. This will greatly enhance the administration to effectively deal with any disaster situation in future.

S.No.	Location
1	Surkhanda Devi
2	Tehri/Chamba
3	Pari Mandir
4	Thatri/ Chirbatiyakhil
5	General Area Padmavati Temple
6	Jamu/Turiya
7	General Area Triyuginarayan
8	Garudchatti (Opp Rudra Point)
9	General Area Rudraprayag
10	Pauri University

- Authority reserves the right to increase or decrease the location/number of cameras as per its discretion.

5. Integration of Local wireless intranet communication system with NIC/SWAN

The wireless Network dropped at Location wise Control Room will be integrated to SWAN/NIC network at Nearest NIC/SWAN Network. This will enable the live feeds to be accessed from anywhere within the Local wireless Network and in Dehradun by using the existing line of NIC/SWAN Network. All helipads needs to be connected.

6. Comprehensive Maintenance of surveillance system for a period of 03 year.

1. Assets covered

All Cameras and associated accessories and associated local equipment required for camera operation, PoE switches, power injectors, NVRs/DVRs, encoders, camera housings, junction boxes, and cable runs up to the nearest patch panel or POE switch.

2. Services included (high level)

- 2.1. Preventive Maintenance (PM) scheduled cleaning, calibration, health checks and functional tests.
- 2.2. Corrective Maintenance (CM) fault diagnosis, remote troubleshooting, on-site repair or replacement.
- 2.3. Firmware/software updates, security patching and configuration backups.
- 2.4. Spare parts provisioning, inventory and lifecycle management.
- 2.5. Remote monitoring and analytics health checks (where feasible).
- 2.6. Training for authority staff and handover documentation.
- 2.7. Reporting, service logs, incident investigation and root-cause analysis (RCA) for major incidents.
- 2.8. Warranty & OEM coordination for covered hardware where applicable.
- 2.9. Decommissioning and re-deployment support for cameras moved or retired during contract.

3. Preventive maintenance schedule

- **During yatra season Weekly (operational checks):** visual confirmation of feed at control room, verify recording status, check storage utilization, basic lens/IR check (weekly).
- **Non-yatra time Quarterly:** firmware patching (minor), full functional test (PTZ sweep, focus, IR, WDR), check PoE power margins, replace consumables (if applicable).

4. Preventive maintenance checklist (to be performed and logged each PM)

- Verify physical condition & cleanliness of lens and housing.
- Test live feed and recorded playback for the last 24–72 hours.
- Validate image quality (focus/sharpness/exposure/frame rate).
- Test PTZ movement/end-stops/limits and preset recalls (if applicable).
- Verify IR/night mode operation and day/night switching.
- Confirm time/date stamping and NTP sync.

- Inspect mounting hardware and cabling for corrosion/looseness.
- Check PoE voltage / power supply and redundancy.
- Verify storage (NVR/DVR/Cloud) health & retention settings.
- Capture and save configuration backup and firmware version.
- Update service log: parts replaced, hours, observations, signature.

5. Corrective maintenance - fault workflow

5.1. **Fault reporting:** initiated by Owner, automated alert from monitoring system, or Provider detection. Include ticket number and timestamp.

5.2. **Remote diagnosis:** attempt remote fix within the SLA response time. Actions: reboot device, change config, restore backup, apply hotfix.

5.3. **On-site dispatch:** if remote resolution fails, dispatch technician per priority. Technician performs repair or replaces part from spares.

5.4. **Temporary mitigation:** if full repair requires ordered parts, implement temporary workaround to meet availability targets.

5.5. **Closure & testing:** perform acceptance tests, log work performed, get Owner sign-off.

6. Spares & consumables management

6.1. Provider shall maintain a spares inventory (critical/minor parts). Maintain minimum stock of critical spares sufficient for 20% of camera fleet or 1 unit per site whichever greater.

6.2. Replacement parts to be OEM or OEM equivalent with warranties. All replaced parts logged and part numbers retained.

6.3. Ownership of replaced parts: Replaced components become property of the authority and to be handed over to the authority.

6.4. Lead times for non-stock parts: Provider to communicate ETA and propose temporary mitigation.

6.5. All Consumables, spares etc. included in AMC.

Payment during AMC period:

The authority shall pay the service provider on quarterly basis during the AMC period upon submission of maintenance reports.

TECHNICAL SPECIFICATIONS

Information Technology Infrastructure (Hardware/Software/Network Technology):-

BASE STATION UNIT TECHNICAL SPECIFICATION: -

A-	<u>BASE STATION RADIO UNIT</u>	
	<u>OUTDOOR UNIT</u>	
		<u>Point to Point Topology</u> ODU with Support for External Antenna via N-Type Female RF Connector. Frequency-Unlicensed Band operating in 5.7 GHz. Channel Spacing- 5MHz,10 MHz,20MHz, 40MHz and 80 MHz Channel Spacing Support Software Selectable. Output Power –At Least 30 dbm at radio port (as per WPC guidelines). TDD Duplexing. Dynamic Output Power management. MAX Latency of not More than 2ms and Min 250 Mbps throughput full duplex. <u>Physical and Electrical</u> IP67 Standard Enclosure. Max 20-Watt Power Consumption ETSI, FCC, and WPC Certification Operating Temperature -20 *C to +60 *C 230V 20% or better, 50Hz AC Weight not more than 5 Kg <u>Network Support</u> QoS Prioritization for Voice, Video, and Data – DSCP/ToS based Classification VLAN Tagging and Untagging – 802.1q and 802.1p VLAN Management Transparent Bridging MAC and IP Filtering 10/100/1000 Base T Auto Negotiation Network Connections <u>Security</u> At least 128 bits AES Encryption <u>Management</u> Web-GUI, SNMPV2 Built In Spectrum Scanner Antenna Alignment Tool Backup and Restore the radio configuration
	<u>INDOOR UNIT</u>	LAN interface: Ethernet-10/100/1000 Base T interface (IEEE 802.3) Environment requirements: IDU operating Temperature - 10 *C to +40 *C
	<u>External Antenna</u>	Frequency Range - 5.825 -5.875 GHz At least 22 dBi Gain Bandwidth in the E-Plane and H-Plane to be as per WPC guidelines

		Front to Back Ratio 30dB +/- 10%
		VSWR: 1.5:1 Maximum
		Dual Polarization Support Vertical or Horizontal with manual rotation
		0-15 Degrees or More mechanical tilt vertical or Horizontal
		Weights not more than 10Kg
B.	<u>Point to Multi point Topology</u>	
		ODU with Support for External Antenna via N-Type Female RF Connector.
		Frequency-Unlicensed Band operating in 5.7 GHz.
		Channel Spacing- 5MHz,10 MHz,20MHz, 40MHz and 80 MHz Channel Spacing Support Software Selectable.
		Output Power –At Least 30 dbm at radio port (as per WPC guidelines).
		TDD Duplexing.
		Dynamic Output Power management.
		MAX Latency of not More than 2ms and Min 250 Mbps throughput full duplex.
		<u>Physical and Electrical</u>
		IP67 Standard Enclosure.
		Max 20-Watt Power Consumption
		ETSI, FCC, and WPC Certification
		Operating Temperature -20 *C to +60 *C
		230V 20% or better, 50Hz AC
		Weight not more than 5 Kg
		<u>Network Support</u>
		QoS Prioritization for Voice, Video, and Data – DSCP/ToS based Classification
		VLAN Tagging and Untagging – 802.1q and 802.1p
		VLAN Management
		Transparent Bridging
		MAC and IP Filtering 10/100/1000 Base T Auto Negotiation Network Connections
		<u>Security</u>
		At least 128 bits AES Encryption
		<u>Management</u>
		Web-GUI, SNMPV2
		Built In Spectrum Scanner
		Antenna Alignment Tool
		Backup and Restore the radio configuration
		LAN interface: Ethernet-10/100/1000 Base T interface (IEEE 802.3)
		Environment requirements: IDU operating Temperature - 10 *C to +40 *C
		Frequency Range - 5.825 -5.875 GHz
		At least 22 dBi Gain
		Bandwidth in the E-Plane and H-Plane to be as per WPC guidelines
		Front to Back Ratio 30dB +/- 10%
		VSWR: 1.5:1 Maximum

		Dual Polarization Support Vertical or Horizontal with manual rotation		
		0-15 Degrees or More mechanical tilt vertical or Horizontal		
		Weights not more than 10Kg		
C.	CPE (Customer Premises Equipment) RADIO			
		- WLAN standard IEEE 802.11 a/n/ac, iPoll 3 - Radio mode MIMO 2x2 - Radio frequency band 5 GHz models: 5.150 - 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz) - Transmit power Up to 30 dBm (country dependent) - Channel size 5, 10, 20, 40, 80 MHz - Modulation schemes 802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) - Data rates 802.11 ac @ 40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps - Error correction FEC, LDPC - Duplexing scheme Time division duplex		
	TRIANGULAR BASE MAST	Triangular base mast section with Base Plate		
		Sturdy guyed Mast Structure to be modular, the height of the mast can be increased as per the requirement; it should be possible to achieve 12m height using mast sections: 3 Mtr max, 3guys ropes each at 2/3 of length.		
D.	IP BASED CAMERA SPECIFICATION			
	➤ General Specifications			
	COMPONENTS	SPECIFICATION		
	CAMERA	Image Sensor	1/2.8" STARVIS™ CMOS	
		Effective Pixels	1920(H) x 1080(V), 2 Megapixels	
		Scanning System	Progressive	
		Electronic Shutter Speed	Auto/Manual, 1/3~1/30000s	Auto/Manual, 1/4~1/10000s
		Min. Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)	
		S/N Ratio	>56dB	
	CAMERA FEATURES	Max. IR LEDs Length	20m	
		Day/Night	Auto(ICR)/Color/B/W	
		Backlight Compensation	BLC / HLC / DWDR	
		White Balance	Auto	
		Gain Control	Auto/Manual	

	LENS	Noise Reduction		2D	
		Privacy Masking		Up to 4 areas	
		Focal Length		4.8~120mm	
		Max Aperture		F1.4-F4.4	
		Focus Control		Manual	
		Angle of View		H: 62.8°—2.6°; V: 33.2°—1.7°; D: 67.3°—3.9°	
		Lens Type		Manual / Auto Iris (DC)	
		Mount Type		Board-in Type	
	VIDEO	Compression		H.265+/H.265/H.264+/H.264/MJPEG	
		Resolution		1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)	
		Frame Rate	Main Stream	1080P/1.3M/720P(1~50/60fps)	
			Sub Stream1	D1/CIF(1 ~ 25/30fps)	
			Sub Stream2	1080P/1.3M/720P/D1/CIF (1~25/30fps)	
	AUDIO	Bit Rate		H.265/H.264: 3 kbps ~ 20480 kbps	
Compression		G.711a/G.711Mu/AAC/G.722/G.726/G.729/MPEG2-L2			
Interface		1/1 channel In /Out			
	NETWORK	Ethernet		RJ-45 (10Base-T/100Base-TX)	
		Protocol		IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour	
		ONVIF		ONVIF Ver. 2.0	
		Max. User Access		20 users	
		Smart Phone		iPhone, iPad, Android, Windows Phone	
	AUXILIARY INTERFACE	Memory Slot		Micro SD, Max 32GB	
		Alarm		2/1 channel In/Out	
	GENERAL	Power Supply		AC24V/3A(±25%), Hi-PoE	
		Power Consumption		24W, 38W (IR on)	
		Working Environment		-10°C~+60°C, 10%~90%	
		Ingress Protection		IP67	
		Dimensions		Φ240(mm) x 382 (mm)	
		Weight		10.1kg(22.27lb)	
	I.	NETWORK VIDEO RECORDER			
		COMPONENTS		SPECIFICATION	
		VIDEO & AUDIO	Main Processor	DUAL-CORE EMBEDDED PROCESSOR	
Operating System			LINUX		
Interface			Local GUI&WEB GUI		
	VIDEO & AUDIO	Input	16ch@1920×1080, 1280×1024, 1280×720, 1024×768		
		Transmission	16ch@ 1920×1080, 1280×1024, 1280×720, 1024×768		

	RECORDING	Recording	16ch@ 1920×1080, 1280×1024, 1280×720, 1024×768
		Preview	16ch@ 1920×1080, 1280×1024, 1280×720, 1024×768 (Screen 1 2, default) +16ch@ 1920×1080, 1280×1024, 1280×720, 1024×768 (Screen3 6)(Optional)
		Playback	16ch@ 1920×1080, 1280×1024, 1280×720, 1024×768
		Recording Resolution	8Mp, 5Mp, 3Mp, 1080P, 720P, 960H, D1, CIF, QCIF, VGA
		Audio	1chMicin,1chMicout
	RECORDING DISPLAY	Recording Mode	Manual, Schedule (Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video
		Compression	H.264 / MJPEG
		Resolution	5MP(2560×1920) / 3MP(2048×1536) / 1080P(1920×1080) / 720P(1280×720) / D1 (704×576/704×480)
		Record Rate	Max 240fps@1080p, 480fps@720p, 960ps@D1
		Bit Rate	48~ 8192kbps
		Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
		Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
	DISPLAY STORAGE NETWORK	Interface	1 HDMI, 1 VGA, 1TV
		Resolution	1920×1080, 1280×1024, 1280×720, 1024×768)
		Display Split	1/4/8/9 1/4/8/9/16 1/4/8/9/16/25/32
		OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
	STORAGE	Internal HDD	2SATA ports
	NETWORK MD & ALARM	Interface	4RJ-45ports(10/100/1000Mbps)
		Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support Dahua IP camera, DVR, NVS and etc.)
		Max. User Access	20 users
		Smart Phone	iPhone, iPad, Android, Windows Phone
	AUXILIARY INTERFACE	Motion Detection	Zones: 396(22×18),Sensitivity:1~6(level 6 is highest)
		Alarm Input	4ch, low level effective, green terminal interface
		Relay Output	4ch, Relay contact (1A@24VDC), NO/NC programmable, Green terminal interface

	AUXILIARY INTERFACE	Front cover	Support hotswap, 7" inch HDLCD (1920x1080/1280x1024/1024x768) (Model-D&DR)	
	GENERAL	USB	4 USB ports (2 USB2.0 on front-panel, 2 USB3.0 on rear panel)	
		eSATA	1 eSATA port	
		SAS	2 Mini SAS ports	
		Power Supply	AC100V~240V, 47~63Hz	AC100V~240V, 47~63Hz, Redundant
		Power Consumption	200W~400W (With HDD)	
		Working Environment	0°C~40°C	
		Working Humidity	10%~80% (non-condensation)	
		Dimension (W x D x H)	4U, 480mm x 494mm x 175mm	
		Weight	3 kg (without HDD)	
		Installation	Rack-mounted	

II.	<u>OUTDOOR IP 66 TRANSMISSION RACK</u>		
	✓ Cormack 18U Server Racks 600 mm Width x 950 mm Depth With Front Door ✓ Back Steel Door/ Side Steel Door ✓ Fan Housing Unit 4 Fan ✓ Cable Manager Horizontal ✓ Power Strip 06 Socket 5 Amp ✓ Heat Exchanger based Cabinet ✓ Mounting Hardware		
III.	<u>8 PORT L2 MANAGED PoE SWITCH</u>		
	COMPONENTS	SPECIFICATION	
	GENERAL	Ports	• 8 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T • Auto medium dependent interface (MDI) and MDI crossover (MDI-X) • Auto negotiate/manual setting
		Buttons	Reset
		Cabling type	Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX, UTP Category 5 better for 1000BASE-T
		LEDs	Link/Act, System
		PoE	• 802.3af PoE-PD compatible on port 1 Supply system power without an external power adapter.
	PERFORMANCE	Switching capacity	16Gbps, nonblocking

		Forwarding rate	11.9Mpps wire-speed performance
	LAYER 2	MAC table size	8000
		Number of VLANs	16 active VLANs(4096range)
		VLAN	Port-based and 802.1Q tag-based VLANs
		Head-of-line(HOL)blocking	HOL blocking prevention
	MANAGEMENT	Web user interface	Built-in web UI for easy browser-based configuration
		Firmware upgrade	Web browser upgrade (HTTP)
		Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer
	OTHER MANAGEMENT		• RADIUS • Port mirroring • Dynamic Host Configuration Protocol (DHCP)client Ping
	SECURITY	IEEE802.1x	802.1x–RADIUS authentication, MD5encryption
	AVAILABILITY	Link aggregation	• Link aggregation using IEEE802.3ad LACP • Up to 8 port sin upto 2 groups
		Storm control	Broadcast and multicast
		Spanning Tree	IEEE802.1D Spanning Tree
		IGMP snooping	IGMP(v1/v2) snooping limits bandwidth-intensive video traffic to only the requestors Supports 16multicast groups
	QOS	Priority levels	4 hardware queues
		Scheduling	Priority queuing and weighted round-robin (WRR)
		Class of service	• Port based • 802.1pVLANprioritybased • IPv4/v6IPDSCPbased
		Standards	• 802.310BASE-TEthernet,802.3u100BASE-TXFastEthernet • 802.3ab1000BASE-TGigabitEthernet,802.3zGigabitEthernet • 802.3xflowcontrol,802.3adLACP,802.3afPoE, 802.1 • DSpanning Tree Protocol 802.1Q/pVLAN,802.1Xportaccessauthentication
	ENVIRONMENTAL	Dimensions WxHxD	5.12x1.12x5.12in. (130x28.5x130mm)
		Weight	0.91lb(0.42kg)
		Power	External AC power adapter and IEEE802.3 af compatible PoE-PD
		Certification	FCC Part15 Class B, CE Class A, UL, cUL, CEMark, CB
		Operating	32°to104°F(0°to40°C)

		temperature	
		Storage temperature	–4°to158°F(–20°to70°C)
		Operating humidity	10% to 90%
		Storage humidity	10%to95%
		Minimum Requirements	• Web-based utility: web browser–Microsoft Internet Explorer(version6.0orlater), Firefox (version2.0.0.1or later) • Category 5 Ethernet network cable • Switch/router with PoE support or PoE injector when used with PoE • Operating system: Windows XP or later
IV.	<u>55" LED TV Screen</u>		
V.	<u>Router</u>		
	✓ Cisco Integrated Services Router with 4 small form pluggable Gigabit Ethernet port. ✓ Circuit-speed WAN performance up to 1 Gbps with services.		
XII.	<u>Power Backup</u>		
	• Uninterrupted power supply of 24 hours using SMF Batteries of 150 Ah.		

1. Information and Conditions relating to Submission of Bids

1. All the pages of the tender should be signed by the owner of the firm or his Authorized signatory. In case the tenders are signed by the Authorized signatory, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions.
2. All entries in the tender form should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. No overwriting or cutting is permitted in the Technical Bid, Financial Bid unless authenticated by full signature of bidder.
3. The bidder shall pay **Bid Security (EMD) of Rs 50000/- (Rupees Fifty Thousand Only)** along with the Technical Bid by DD/FD in favour of "CEO, UCADA" drawn on any Nationalized Bank/ Scheduled Bank and payable at Dehradun. Bids received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The original EMD will be put in cover-I containing Technical bid. The EMD has to remain valid for a period of at least six months from the opening of financial bids.
4. The Firms who are registered in the purchase preference policy of industries department, Uttarakhand under MSME shall be given exemptions as per the latest relevant G.O.s of the state of Uttarakhand.
6. As a guarantee towards due performance and compliance of the contract work, the successful bidder (Agency) will have to deposit an amount equal to Rs. 1,00,000/- (Rupees One lakh only) towards **Security Deposit/Performance Guarantee** by way of DD/BG in favour of "CEO UCADA" drawn on any Nationalized Bank/ Scheduled Bank and payable at Dehradun and sign a contract Agreement. The validity of Performance Security deposited must be valid for at least 3 months beyond the CAMC period. Performance security shall be released after completion of CAMC period of 03 years and completion of all contractual obligations under the contract.
8. The EMD shall be forfeited if successful bidder fails to undertake the work or fails to comply with any of the terms & conditions of the contract.
9. The bid shall be valid and open for acceptance of the competent authority for a period of 90 days from the date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained.
9. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, may ask bidders individually for clarification of their bids. The request for clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.
10. After evaluation, the work shall be awarded normally to the lowest bidder (L1). In case two or more agencies are found to have found L1 bidders, UCADA shall decide about the Agency

to which the offer shall be granted based on turnover volume and total work experience (in state govt/ state PSU/Nigam) of the firm. Such decision by the authority shall be final. The CEO, UCADA, have discretionary right to award on the same rate parallel contract to the next eligible agency, in case, the agency with lowest rate at any stage after award of contract fails to perform successfully / satisfactorily.

11. UCADA reserves the right to accept or reject any or all bids without assigning any reasons. UCADA also reserves the right to reject any bid which in his opinion is non- responsive or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.
12. Canvassing in any form is strictly prohibited and the tenderers who are found canvassing are liable to have their tenders rejected outrightly.

2. Other Terms and Conditions:

- I. The bidder (Supplier) will have to complete the desired work within 15 days from the date of LOA.
- II. The tenderer will be bound by the details furnished by it to this Institute, while submitting the tender or at subsequent stage. In case, any of such documents furnished by it is found to be false at any stage, it would be deemed to be a breach of terms of contract making it liable for legal action besides termination of contract.
- III. The decision of the CEO, UCADA in regard to interpretation of the Terms & Conditions and the Agreement shall be final and binding on the Agency.
- IV. The Agency shall not be allowed to transfer, assign, pledge or sub-contract its rights and liabilities under this contract to any other Agency without the prior written consent of this Institute.
- V. In case of any dispute between the Agency and UCADA, the CEO, UCADA shall have the right to decide. However, all matters of jurisdiction shall be at the local courts located at Dehradun.
- VI. Any violation of instructions/agreement or suppression of facts will attract cancellation of agreement without any reference.
- VII. An agreement shall be signed with the successful bidder as per specimen enclosed.
- VIII. L1 Clause: L1 (successful bidder) will be decided in favour of bidder who has quoted lowest bid after complying with the all-applicable laws and terms of tender document.

Note: These terms and conditions are part of the Contract/Agreement as indicated in the Agreement between **'Client' (First Part)** and the **'Agency' (Second Part)** and any non-compliance shall be deemed as breach of the Contract/Agreement.

CEO
UCADA

1. Name & Address of the Tenderer Organization/Agency with phone number, email etc. <u>and</u> name, address and telephone/mobile number of contacts.							
2. Work Experience (Attach certificates, testimonials)					In following format		
S.No.	Name of Organization with complete address and telephone numbers to whom services provided	From	To	Detail of Man Power Provided	Total Contract period (in Yr/month)	Total Contract Amount (In Rs.)	Reason for Termination
3. Set-up of your Agency, clearly indicating details of managerial, supervisory and other staff, also indicate the number of muster roll staff available for performing this service: (a) Is the establishment registered with the Government please give details with document/evidence. (b) Undertaking of the Agency confirming the availability of the adequate Job executor of requisite qualification and experience.							
4. Please attach copy of last 3-year Return of Income Tax							
5. Please attach balance sheet of the agency, duly certified by Chartered Accountant for last four (3) years along with UDIN No.							
6. PAN No. (Please attach copy)							
7. GST No. (Please attach copy)							
8. Power of Attorney/authorization for signing the bid Documents							
9. Please submit an undertaking, on notarial stamp paper of Rs. 100/- (Rupees one hundred only) (Performa in given) that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency) and firm / agency is never being black listed by any organization Indicate any convictions in the past against the Company/firm/partner. Annexure-A							

10. Please declare that Proprietor /firm/company has never been blacklisted/debarred by any Organization. paper <u>in the format given in Annexure-B.</u>	
11. Please submit a notarised affidavit for miscellaneous declaration on Indian Non-Judicial stamp paper of Rs. 10/- <u>in the format as given in Annexure-C.</u>	

Declaration by the Tenderer:

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Encls:

1. FD/TD/CD/DD/Pay Order No. _____
2. Terms & Conditions of the contract of Tender document (_____) each page must be signed and sealed.
3. Financial Bid (In separate cover II duly sealed by bidder)

Place:.....	(Signature of Bidder with seal)
Date:.....	
	Name:
	Address
	Phone No (O):
	Fax No. (O):
	E-mail:

Sign of issuing Authority

1. Evaluation of Technical Proposal

(a) Tender Evaluation Committee (TEC) of UCADA shall carry out the entire Evaluation. TEC shall carry out technical evaluation at two stages, viz; primarily at administrative evaluation followed by a detailed Technical Evaluation of bids and subsequently by a financial evaluation.

(b) TEC will have no access to the Financial Bids till the competent authority accepts the recommendation on Technical bid.

(c) The technical bids submitted by the bidders will first be administratively evaluated based on the responsiveness to the terms and conditions of tender. Only responsive bids will be taken up for the detailed qualifying evaluation. Technical bids will then be evaluated as per the criteria defined in **Annexure- 1** (Administrative Evaluation). At this stage the financial bids will remain unopened.

(d) After the administrative evaluation of Technical bids, the detailed Technical Evaluation of bids will be done for the bidders who have cleared the initial Administrative Evaluation.

(e) The bidder who qualifies in the technical evaluation stage shall only be called for opening of financial bids. UCADA shall inform the bidders, the time/venue for the financial bid opening in written communication.

1.2 Financial Bid Opening Procedure

- The financial bids of all technically qualified bidders shall be opened on the appointed date and time in presence of the qualified bidders/their authorized representatives, who chose to be present at the time of opening of financial bids.
- All the technically qualified bidders/their authorized representatives present at the time of opening of the financial bids shall be required to submit the authorized letter.
- Absence of bidders of their authorized representative shall not impair the legality of the process.
- The financial bid price, as indicated in the financial bid submission form of each bidder shall be read on the spot, however, it shall be clearly stated that the final bid prices would be arrived after detailed scrutiny/correction of arithmetical error in the financial bid.
- If there is any discrepancy between words and figure, the amount in word shall prevail.
- Right to Acceptance: - the office of CEO, UCADA reserve all right to reject any bid including of those bidders who fail to comply with the instructions without assigning any reason whatsoever and does not bind itself to accept the lowest or any specific bids. The decision of CEO, UCADA, in this regard will be final and binding.

ANNUAL TURNOVER STATEMENT

(At the Letter Head of Chartered Accountant)

I/We have examined the books of account and other relevant records of
..... (bidding firm name), having its registered office at
..... (full address of bidding firm and do hereby certify that:

- (1) Annual gross turnover as per Annual Accounts of the firm for last three years is as under-

Sl. No.	Financial Year	Turnover (In INR)
2.	2021- 2022	
3.	2022- 2023	
4.	2023- 2024	

- (2) Average turnover of the firm for last three financial years is Rs.

..... .

Signature of CA (with stamp of Firm)

Name-

(Registration No)

(UDIN No.)

(Chartered Accountant)

Firm name-

Proprietor name

Signature (with stamp).....

NOTARISED AFFIDAVIT

(On Rs. 10/- Non-Judicial Stamp Paper)

TENDER NO.

I, undersigned (name).....(designation), duly authorised representative of(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

No criminal case is pending with the Police against our Proprietorship/Firm/Company/Agency or any of its authorized signatories.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature:

Name:

Designation:

Aadhaar No:

Email Id:

Mobile No:

Landline No:

Fax No:

Address:

(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)

NOTARISED AFFIDAVIT
(On Rs. 10/- Non-Judicial Stamp Paper)

TENDER NO.

I, undersigned (name).....(designation), duly authorised representative of(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

Proprietorship/Firm/Company/Agency has never been **blacklisted/ debarred** by any organization.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature:

Name:

Designation:

Aadhaar No:

Email Id:

Mobile No:

Landline No:

Fax No:

Address:

(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed

NOTARISED AFFIDAVIT

(On Rs. 10/- Non-Judicial Stamp Paper)

TENDER NO.

I, undersigned (name).....(designation), duly authorised representative of (name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

1. Undersigned is fully competent and authorised from Proprietorship/Firm/Company/Agency to make this Affidavit to bind such Proprietorship/Firm/Company/Agency.
2. All details/information/documents furnished by Proprietorship /Firm/ Company/Agency in bid document is true and correct.
3. Proprietorship/Firm/Company/Agency is fully solvent and legally/financially competent to perform terms and conditions of Tender.
4. Proprietorship/Firm/Company/Agency is duly registered under various relevant government notifications and all dues have been paid as on date.
5. Proprietorship/Firm/Company/Agency hereby agrees and fully understands that notwithstanding anything contrary contained in Tender document and without prejudice to any of the rights or remedies of UCADA, UCADA shall be entitled in its sole discretion to determine that a bidder is to be disqualified at any stage of the process and its participation in Tender process and/or its Technical Proposal and/or Financial Bid dropped from further consideration for any reasons.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declarations are true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/ Firm/ Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature:

Name:

Designation:

Aadhaar No:

Email Id:

Mobile No:

Landline No:

Fax No:

Address:

(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)

Undertaking

1. I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender.
2. I/We also confirm that in the event of my/our tender being accepted, I/we hereby undertake to furnish within 07 days, Bank Guarantee/ Performance security after the issue of Purchase Order, as applicable, in the format to be provided by UCADA in addition to execution of a Contract as pre-condition for obtaining the supply orders.
3. I/We further undertake that none of the Proprietor/Partners/Directors of the firm was or is Proprietor or Partner or Director of any firm with whom the Government have banned /suspended business dealings. I/We further undertake to report to the UCADA immediately after we are informed but, in any case, not later than 07 days, if any firm in which Proprietor /Partners/Directors are Proprietor or Partner or Director of such a firm which is banned/suspended in future during the currency of the Contract with you.
4. I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

(Signature of the Bidder)

Name:

Designation with Seal of the Firm:

(To be filled in BOQ Only)

Annexure-III

Financial Bid

BOQ for setting up of surveillance system for monitoring of mentioned Helipads of UCADA

S.No.	Particulars	Unit Rate
1	PTZ Camera	
2	Client Radio (CPE)	
3	Outdoor Cat6e Cable 305m	
4	8 Port PoE Switch	
5	Power Extension Board 6 Port	
6	15 Feet Pole Mast with civil work	
7	150 AH Battery	
8	Wall Mount Rack 5U	
9	5.7 Ghz PTMP with Mounting Kit	
10	04 Port PoE +1 Switch Port 48VDC	
11	NVR 4 Channel with single SATA 04 TB installed	
12	NVR 8 Channel with single SATA 04 TB installed	
13	NVR 16 Channel with single SATA 04 TB installed	
14	PTP Radio	
15	55" LED SMART TV	
16	1065 Ups	
17	IP65 Outdoor Rack 18U Fully Loaded	
18	Aviation Lamp	
19	Installation Commissioning and Freight Charges	
20	comprehensive maintenance charges along with manpower for first year	
21	comprehensive maintenance charges along with manpower for second year	
22	comprehensive maintenance charges along with manpower for third year	

GST additional will be payable at prevailing rates.

Declaration by the Bidders:

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ ourselves to abide by them.

Name: -

Address: -

Phone No: -

Email: -

Seal: -

Place:-.....

Date :-.....

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the Uttarakhand e-procurement Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Uttarakhand e-procurement Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Uttarakhand e-procurement Portal.

More information useful for submitting online bids on the Uttarakhand e-procurement Portal may be obtained at: <https://uktenders.gov.in>.

REGISTRATION

- Bidders are required to enroll on the e-Procurement module of the Uttarakhand e-procurement Portal (URL: <https://uktenders.gov.in>) by clicking on the link “Online bidder Enrolment” on the Uttarakhand e-procurement Portal which is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the Uttarakhand e-procurement Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- There are various search options built in the Uttarakhand e-procurement Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the Uttarakhand e-procurement Portal.
- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved

to the respective 'My Tenders' folder. This would enable the Uttarakhand e-procurement Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.

- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- Please note the Number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG Tender No..... formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned

official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.

- Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- The documents being submitted by the bidders would be encrypted using PKI encryption all techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key
- Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid Tender No..... summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk number 0120-4200462, 0120- 4001002.

Proforma of Performance Bank Guarantee

1. In consideration of the CEO, UCADA (hereinafter called "The Client") having offered to accept the terms and conditions of the proposed agreement between UCADA and (hereinafter called "the said contractor(s) for the work of Contract Canteen Services (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms & conditions in the said agreement.
2. We(hereinafter referred to as the "Bank") hereby undertake to (indicate the name of the Bank).
3. Wedo hereby undertake to pay amounts due and payable (indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from the UCADA stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this Guarantee we shall be restricted to an amount not exceeding Rs. (Rupees).
4. We, the said Bank, further undertake to pay to the UCADA any money so demanded not withstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under bond shall be a valid discharge of our liability for payment thereunder, and the contractor(s) shall have no claim against us for making such payment.
5. We further agree that the Guarantee herein contained shall (indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said agreement, and it shall continue to be enforceable till all the dues of the UCADA under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till the Administrative Officer, UCADA on behalf of the UCADA, certifies that the terms & conditions of the said contractor(s), and accordingly discharges this guarantee. We..... further agree with the UCADA that the UCADA (indicate the name of the Bank) shall have the fullest liberty without our consent , and without effecting in any manner our obligations hereunder, to vary any of the terms & conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the UCADA against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the UCADA or any indulgence by the UCADA to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank

or the contractor(s).

7. Welastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the UCADA in writing.
8. This guarantee shall be valid up tounless extended on demand by the UCADA Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees Only), and unless a claim in writing is lodged with us under this Guarantee shall stand discharged.

Dated the day of for