

PREJHA Foundation

Reference:1390-PREJHA

02/24/236

REQUEST FOR QUOTATION

FOR

Partner Empanelment, Supply & Installation of High end CCTV Security systems

Dated: 16th February 2024

PanIIT Alumni Reach For Jharkhand Foundation

A Non-profit Special Purpose Joint Enterprise between agencies of Department of Welfare, Government of Jharkhand and PanIIT Alumni Reach For India Foundation, Kalyan Complex, Balihar Road, Morabadi, Ranchi - 834008, Jharkhand

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DISCLAIMER

The information contained in this Request for Quotation ("RFQ") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of PanIIT Alumni Reach For Jharkhand Foundation (hereinafter "PREJHA") is provided to interested parties on the terms and conditions set out in this RFQ and such other terms and conditions subject to which such information is provided.

This RFQ is not an agreement and is neither an offer nor an invitation by PREJHA to interested parties who submit their quote (henceforth "Bidders") in response to this RFQ. The purpose of this RFQ is to provide Bidders with information that may be useful to them in preparing and submitting their proposals ("Proposal") for selection as supply agency with PREJHA Foundation as per notified norms.

PREJHA Foundation makes no representation or warranty and shall have no liability to any person or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFQ or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFQ and any assessment, assumption, statement or information contained herein or deemed to form part of this RFQ or arising in any way from this process.

A Bidder must warrant that all the information provided by it to PREJHA Foundation at the time of application & subsequently, is true to the best of its knowledge and belief, and specially warrants that it has duly complied with the provisions of laws applicable to it. Bidder indemnifies PREJHA Foundation from any liabilities arising out of error or default or negligence or contravention in regard to any of the applicable laws, including, but not limited to, submission of statutory forms & other such documents.

The issue of this RFQ does not imply that PREJHA Foundation is bound to select any Bidder(s) or select any Bidder(s) for any project. PREJHA Foundation may accept or reject any proposal in its discretion and may ask for any additional information or vary its requirements, add to or amend the terms, procedure and protocol set out in RFQ for bona fide reasons, which will be notified to all the Bidders invited to tender. Further PREJHA Foundation hereby reserves its right to annul the process at any time prior to issuance of Purchase Order without incurring any liability towards the Tenderers.

The Bidder shall bear all costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by PREJHA Foundation or any other costs incurred regarding or relating to its Bid. All such costs and expenses will remain with the Bidder and PREJHA Foundation shall not be liable in any manner for the same or for any other costs or expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of this RFQ and related processes.

SECTION 1: LETTER OF INVITATION

PanIIT Alumni Reach for Jharkhand (PREJHA) Foundation invites proposals from reputed bidders for supply & installation of High end CCTV security system for PREJHA Foundation's Training Centers in Jharkhand.

A bidder will be selected based on Lowest Cost Method (L1 basis) from suitable agencies qualifying the criteria as per described in this RFQ.

The content of this RFQ enlists the requirements of PREJHA Foundation. It includes the **Bidding Terms & selection** procedure which details out all that may be needed by the potential bidders to understand the financial terms and bidding process and explains the contractual terms that PREJHA Foundation wishes to specify at this stage.

The RFQ includes the following sections:

Section 1 - Letter of Invitation

Section 2 - Instructions to Bidders (including pre-qualification criteria)

Section 3 - Standard Forms

The information may be submitted online only at the following website.

<https://eprocurement.mjunction.in/EPSV2Web/org/PREJHA/home.action>

The information may be viewed online at the following website.

<https://www.jharkhand.gov.in/paniit>

Yours faithfully,

Authorized signatory
**PanIIT Alumni Reach For Jharkhand Foundation,
Kalyan Complex, Balihar Road, Morabadi,
Ranchi - 834008, Jharkhand**

PREFACE

About PREJHA Foundation

Agencies of Department of Welfare, Government of Jharkhand and PanIIT Alumni Reach for India Foundation have partnered to form PanIIT Alumni Reach for Jharkhand (PREJHA) Foundation, a not-for-profit joint enterprise to implement and scale sustainable welfare initiatives. The initiative will replicate the PanIIT Skill Gurukul model of learning for skill development across all the districts of Jharkhand state and thus provide a network of ITI and sub-ITI institutions accessible to school dropouts, underprivileged and those who are from the lower strata of socio-economic background.

PREJHA Foundation sets up Rural Skill Gurukuls and Kaushal colleges to impart vocational Education to deserving candidates.

Purpose of RFQ

The objective of this assignment is to procure High end CCTV security system required for PREJHA Foundation's Gurukuls & Kaushal Colleges. The supplying agency should adopt a process that is not only transparent, competitive but should also be quick and timely.

Section 2: Instructions to Bidders

The evaluation criteria for the bidders is based on Lowest Cost Method (L1 basis) price bid subject to the bidders submitting and satisfying the basic qualification mentioned. **Each Bidder must submit a single proposal only.**

PREJHA foundation shall endeavor to adhere to the following schedule but reserves the right to alter the same:

Time schedule of Tender:

Sl.No.	Particulars	Date
1.	Tender e-Publication date	16.02.2024
2.	Start date for seeking Clarification	16.02.2024
3.	Last date for seeking clarification online from service provider (mjunction Services Limited)	21.02.2024 (06:00 PM)
4.	Bid submission start date (only on-line bid accepted)	16.02.2024
5.	Bid submission end date	29.02.2024 (08:00PM)
6.	Schedule date for Technical bid opening	29.02.2024
7.	Comparative statement preparation by the system	29.02.2024

General terms & Conditions:

1. Detailed BOQ

S. No.	Specification	UOM
1	Supply and installation of 2MP Network Camera: The network camera must embody specifications inclusive of a 1/2.8" progressive scan RGB CMOS image sensor, day/night operation with a built-in IR cut filter, and minimum illumination levels of 0.07 lux (color) and 0.01 lux (B/W) at 50 IRE, F2.0, with IR illumination support. Additional requirements comprise a 3-9 mm varifocal lens, electronic shutter settings between 1/66500 s and 1/2 s, image resolution of at least 1920x1080, and support for video compression standards including H.264, H.265, and Motion JPEG. The camera should offer frame rates up to 50/60 FPS with controllable bit rate, multiple streams, intelligent analytics, digital PTZ, and privacy masks. It should seamlessly interact with a range of protocols (most among IPv4, IPv6 USGv6, HTTP, HTTPSa,, SSL/TLSa,QoS Layer 3 DiffServ,FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3,(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP,RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, MQTT,Syslog) and ensure robust security features. The device is expected to come with a 5-year OEM warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis	NO
2	Supply and installation of 2MP Outdoor Camera: It should feature a 1/2.8" progressive scan RGB CMOS image sensor and a varifocal lens with a focal length range of 10.9-29 mm and an aperture range of F1.7-1.7. It should offer a horizontal field of view from 29° to 11° and a vertical field of view from 16° to 6°, ensuring comprehensive coverage. It should facilitate day/night operation with an automatic IR-cut filter and hybrid IR filter, enabling clear imaging even in low-light conditions with a minimum illumination of 0 lux when IR illumination is activated. The camera should support shutter speeds ranging from 1/37000 s to 2 s with Forensic WDR and 1/71500 s to 2 s without WDR. It shall have compute capabilities like a deep learning processing unit (DLPU). It should offer versatile video compression options including H.264, H.265, and Motion JPEG, with resolutions ranging from 1920x1080 to 160x90 in 16:9 aspect ratio. It should be capable of achieving frame rates of up to 25/30 fps with Forensic WDR and up to 50/60 fps without WDR in all supported resolutions. In terms of protocols(most among IPv4, IPv6 USGv6, HTTP, HTTPS,HTTP/2, SSL/TLS,QoS Layer,3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS,	NO

	<p>DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT, Syslog), it should support a wide range and provide text overlay options. It should efficiently manage bandwidth and storage while providing up to 20 unique and configurable video streams. Robust noise reduction, comprehensive image settings, and integration capabilities with various systems and protocols should ensure seamless operation and flexibility. The camera must support 3rd party edge-based analytics, possess built-in analytics capabilities, and support human and vehicle detection through machine learning. Mounting options should include wall or pole mounts, and compliance with ONVIF S and G, NDAA, non-compliance with specified standards. Additionally, it should offer audio features such as automatic gain control and network speaker pairing, enhancing its functionality for comprehensive surveillance applications. The device is expected to come with a 5-year OEM warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	
3	<p>Supply and installation of 4 MP camera: It should incorporate a 1/2.7" progressive scan RGB CMOS image sensor paired with a 2.4 mm lens featuring a fixed iris and fixed focus, with an aperture of F2.1. Its horizontal field of view should span 130° while the vertical field of view covers 72°, ensuring broad coverage. The camera should seamlessly transition between day and night modes, facilitated by an automatically removable infrared-cut filter, ensuring clear imaging in varying lighting conditions. Minimum illumination levels should be 0.19 lux in color and 0.04 lux in black and white at 50 IRE, with IR illumination enabling visibility even in complete darkness. Shutter speed adjustments ranging from 1/33500 s to 1/5 s should enhance image clarity. It should offer extensive camera angle adjustments, including pan (±180°), tilt (0° to 60°), and rotation (±95°), ensuring flexible positioning and versatile viewing angles. The camera's system on chip (SoC) should be driven by an ARTPEC-7 model, with 1024 MB RAM and 512 MB Flash memory, ensuring efficient processing and storage capabilities. Video compression should be supported in H.264, H.265, and Motion JPEG formats, with resolutions ranging from 2688x1512 to 320x240, and frame rates of up to 25/30 fps in alignment with power line frequency. With Axis Zipstream technology, it should optimize bandwidth usage while offering multiple, individually configurable video streams. The camera should offer comprehensive image settings, including compression, color saturation, brightness, sharpness, and white balance adjustments, along with extensive event triggers and actions for seamless integration and efficient event management. Additionally, it should feature built-in installation aids such as a pixel counter and adjustable IR-illumination intensity, ensuring ease of setup and optimal performance. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	NO
4	<p>Camera Station/All-in-one recorder: Processor: Intel core, Memory: 16GB (2x8GB), Storage: 8 TB (1x8 TB) Cold swappable Enterprise Class SATA HDD, 7200 rpm, 2 HDD slots. capable of managing up to 64 doors and 32 video channels featuring a range of connectors such as USB ports, DisplayPort™, and RJ45 Ethernet. Graphic Card: Intel HD Graphics . Operating System: Microsoft Windows 10 IoT Enterprise, Operating system drive: 256 GB SSD. Video Streaming: capabilities should encompass live view and playback scenarios, adhering to specified resolutions and frame rates. Playback should support 4 x 1080p camera split views or 1 x 4K camera view. Recording: The system must be qualified for recording with a total recording rate of 256 Mbit per second. General: Power requirements should not exceed 500 W, supporting a range of 100 V AC to 240 V AC. Camera Station should incorporate features like secure boot, Edge Vault, and FIPS 140-2 level 2 certified hardware protection The system should meet or exceed most of the following standards: EN 55032 Class B, EN 55035, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, ISED ICES-003 Class B, RCM AS/NZS CISPR 32 Class B, KS C 9832 Class B, KS C 9835, VCCI 32-1 Class B, BSMI, Safety: IEC/EN/UL 62368-1, EN 62311, NOM-019-SCFI-1998. (We are open to equipment that either meets the provided specifications or surpasses them.) Warranty: A 5-year warranty is required. Brands: Honeywell/Bosch/Pelco/Axis</p>	NO
5	<p>Microphone: Within 20 Hz - 20 kHz. Featuring a sensitivity rating of -22 dB ±3 dB. Should achieve a Max SPL of 126 dB at a 10% Total Harmonic Distortion (THD). With a SNR of 82 dB A-weighted, relative to 1 kHz at 1 Pascal and 94 dB SPL. Its hemispherical directionality offers versatile recording options. Housed in an IP65-rated plastic casing. Should operate efficiently on a power supply of 2-10 V DC, providing flexibility in connectivity with a choice of a 3.5 mm</p>	<p>Page NO</p>

	<p>stereo plug or a terminal block, complete with an included extender. Compliant with a range of approvals, including EMC EN 55103-2, Safety: IEC/EN/UL 60950-1, CE. Environment: IEC/EN 60529 IP65, EN 50581. The package includes essential accessories like an installation guide, drill template, white cover, mount bracket, double-sided tape (20x10 mm), cable holders, cable gaskets (M20 3 mm and M16 3 mm), and a Terminal Block to 3.5 mm Audio Extender. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	
6	<p>Camera Holder: It should fit 3/4" NPS (National Pipe Straight) thread for easy and secure installation on compatible surfaces. The holder should be constructed with durable materials to ensure stability and longevity in various environmental conditions. It should support the mounting of different cameras and similar devices, offering flexibility in positioning for optimal surveillance coverage. The design should facilitate easy adjustment and alignment of the camera to achieve desired viewing angles. Additionally, Camera Holder should adhere to industry standards, providing a reliable and standardized mounting option for a range of surveillance applications. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	NO
7	<p>Camera Holder: It should fit 3/4" NPS (National Pipe Straight) thread for easy and secure installation on compatible surfaces. The holder should be constructed with durable materials to ensure stability and longevity in various environmental conditions. It should support the mounting of different cameras and similar devices, offering flexibility in positioning for optimal surveillance coverage. The design should facilitate easy adjustment and alignment of the camera to achieve desired viewing angles. Additionally, Camera Holder should adhere to industry standards, providing a reliable and standardized mounting option for a range of surveillance applications. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.)</p>	NO
8	<p>Telescopic ceiling mount: It should support various different camera models, ensuring compatibility with different devices. The telescopic feature allows for adjustable extension, providing flexibility in positioning cameras to achieve optimal viewing angles. The casing of the mount should be constructed from Powder coated aluminium and its should be durable materials, ensuring stability and reliability in indoor environments. The telescopic ceiling mount should be PVC-free, reflecting a commitment to sustainability. It is intended for ceiling mounting and should offer a maximum load capacity suitable for the supported camera models. Cable routing options should be available for neat and organized installations. The mount is expected to meet safety standards, with relevant certifications such as IEC/EN/UL 62368-1. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	NO
9	<p>Audio and I/O Interface: It should offer two-way audio streaming with voice enhancement capabilities. Audio encoding should support various formats including 16 bit LPCM, AAC-LC, G.711 PCM, G.726 ADPCM, and Opus, with configurable bitrate options. The interface should include two external microphone inputs or line inputs, a line output, and digital input with ring power, featuring automatic gain control. Microphone specifications should include sensitivity of -31.8 dBFS A at 0 dB gain, a maximum SPL of 121 dB at 0 dB gain, and an SNR of 66.5 dB at 30 dB gain. The I/O functionality should include two configurable supervised inputs/digital outputs and a 12 V DC output with a maximum load of 50 mA, along with robust security features such as password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log, and centralized certificate management. Network protocols should encompass IPv4, IPv6, HTTP, HTTPS+H62, FTP, SMTP, SNMP, DNS, NTP, RTSP, TCP, UDP, and more. System integration capabilities should include an open API for software integration, support for premium camera brands such as Axis/Honeywell/Pelco/Bosch Camera Application Platform, and one-click connection. Analytics features should include audio detection, with event triggers and actions including external output activation and audio recording to edge storage. The interface should be encased. Power should be provided over Ethernet (PoE), with connectors for PoE in, PoE out, I/O, and audio. The interface should hold approvals for EMC and safety standards. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	NO

****For Estimation purpose only***
(** - Freight – Ex Ranchi)

2. Definitions

- "Buyer" means PREJHA Foundation
- "Bidder" means suppliers or contractors who have participated in tender
- "The Vendor" means the supplier or contractor or service provider to whom the Order is addressed.
- "The Purchase Order" means terms and conditions signed between Buyer and the Vendor governing the subject matter of this Order
- "The Goods / Services" means the goods or services to be supplied under the Order.

3. Amendment of RFQ

At any time before the submission of Proposals, PREJHA Foundation may amend the RFQ by issuing an addendum in writing or by standard electronic means. The addendum shall be uploaded on the <https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action> and will be binding on them. To give Bidders reasonable time in which to take an amendment into account in their Proposals, PREJHA Foundation may, if the amendment is substantial, extend the deadline for the submission of Proposals.

4. Bidding

(to be solely done through portal)

<https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action>

- a) Offer to be submitted only on e-procurement portal. Hard copy of offer is **not required** to be submitted to PREJHA Foundation. Any offer received in Hard copy shall **not be accepted** and will stand disqualified
- b) Mode of Submission of offer: Being e-tender, offer will be solely submitted online through e-tender portal: <https://eprocurement.mjunction.in/EPKV2Web/org/PREJHA/home.action> through following Application Service Providers (ASPs) appointed by PREJHA:

M/s Mjunction Services Limited, 6th Floor, Tata Centre.43 J N
Road, Kolkata – 700 071,

Contact Person: Helpdesk Officer Sumant Kumar
Choudhary9163348104, sumant.choudary@mjunction.in

- c) They may obtain further information regarding this tender from the office of PREJHA, Kaushal College, Near women's college (Science Block), New Nagratoli Road, Ranchi – 834001 from 10:00 hours to 17:00 hours on all working days till the date of bidding is open.

Contact Person : Shekhar Kumar,
Contact number: 9835932882
Email id: shekhar.k@parfi.org

- d) Bidders are expected to adequately apprise themselves regarding the procedure and

provisions available on the e-procurement portal **operated/ maintained** by M/S. Mjunction services limited. Buyer shall not be responsible for any issues related to timely or proper uploading/submission of the bid.

5. *Validity of Proposal*

Bidders' proposals must remain **valid for a period of min** 180 days after the submission of proposal. Should the need arise, PREJHA Foundation may request Bidders to extend the validity period of their proposals. If a bidder is selected as vendor, his proposal will remain same for whole of the delivery schedule.

6. *Submission of proposal*

The Proposal as well as all related correspondence exchanged by the bidders and PREJHA Foundation, shall be only through the portal of mjunction and electronic means. The offer shall be submitted as per the instructions of tender document and as detailed in this RFQ. Price shall be furnished in the relevant price schedule only. In case of any clarification, bidder may contact the concerned contact persons at m junction Services or PREJHA as listed above

7. *Latest updates*

Latest updates on the critical dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc. to Tender Specifications will be hosted on PREJHA-mjunction webpage. Bidders to keep themselves updated with all such information. Bidders may please visit <https://eprocurement.mjunction.in/EPSV2Web/org/PREJHA/home.action> for documentsubmission.

8. *Technical Bid (incl. Pre-Qualification Criteria)*

Sl. No	Pre-Qualification Requirements (Conditions)	Remarks
1	Have previously supplied/executed similar materials/works at any institutional buyers such as listed private or public sector companies or NSDC affiliated or Governmental/Quasi-governmental training enterprises within the past 5 years. A copy of purchase orders (At least 25 lakhs in past 5 years) is required to be submitted as a documentary proof .	Technical Bid Related
2	Bidders should have annual average turnover in last three financial years of not less than 1 Cr rupees	
3	Bidder will have to submit OEM Authorization on OEM letter head with bid number.	
4	Bidder shall submit the detailed BOM, Brochure of the equipment offered and same model should be displayed on OEM website	OEM related

Bidder should submit the prequalification documents at the portal

9. Financial Proposal

Financial Proposal must be submitted in the format shared in this RFQ. Financial proposal must be shared in the same format as provided else it shall be declared non-responsive.

10. Empanelment followed by Letter of Award

1. The technical bid (incl. pre-qualification criteria) will be verified by PREJHA Foundation. The Procurement System will determine the lowest financial bid including on a possible line-item basis among the technically qualified bidders.
2. PREJHA Foundation shall award the Empanelment Contract possibly with SOR to successful bidders and then issue the purchase order that may be deemed as a Letter of Award (LOA) for the estimated order value along with terms & Conditions governing the Award and notify the same to the bidder through email. The selected bidder shall submit security deposit of 5% of the estimated order value in the form of either a bank guarantee from a scheduled bank or a PDC or a DD drawn on any scheduled bank in favour of "PanIIT Alumni Reach for Jharkhand Foundation" payable at par in Ranchi.
3. The selected bidder is expected to commence the assignment on the date and at the location specified in the LOA/ Contract.
4. If the selected bidder does not sign the Contract within the stipulated period, the LOA may be cancelled, and the next lowest bidder will be considered for award of Contract.
5. If at any stage in the bidding process including after bid opening or Issuance of Purchase orders pertaining to this RFQ, PREJHA believe that the Bidders do not meet the requisite Technical criteria set out in the Bid Document or delivery schedule or that the rate quoted exceeds its own estimates for the supply value, PREJHA reserves the right to cancel the tender or particular line item(s) without incurring any obligation or liability towards the tenderers.
6. PREJHA Foundation reserves the right to issue a part order of any 'line item' or sets of line items from BoQ in the bid to another empaneled vendor based on cost, time & quality considerations at its sole discretion. The transport cost in such cases will be on actual basis.
7. Purchase Orders & Delivery details Over the validity of this RFQ, purchase orders with specified quantity & delivery details would be issued as per requirements
8. Delivery time is the essence of this order and must be strictly adhered to. If the vendor fails to deliver the goods in time, the Buyer may, at its sole discretion:
 - Treat the order as cancelled at any time and recover any loss or damage from the vendor by invoking Security Deposit;
 - purchase the goods ordered or any part thereof from other sources on the vendor's account, in which case, the Vendor shall be liable to pay the Buyer not only the difference between the price at which such goods have been purchased and the price calculated at the rate set out in this order, but also any other loss or damage the Buyer may suffer;

11. Indicative Delivery Schedule

- Goods to be delivered at our institutes as per following as needed:

S. No	Name of the Institution	Delivery Schedule
1	ITI Kaushal College ,Ranchi	
2	Nursing Kaushal College Chanho, Ranchi	
3	Nursing Kaushal College Itki , Ranchi	
4	Nursing Kaushal College Saraikela	
5	Nursing Kaushal College Sahebganj	
6	Nursing Kaushal College Chaibasa	
7	Nursing Kaushal College Gumla	
8	Nursing Kaushal College Jamtara	
9	Nursing Kaushal College Latehar	

12. Payment Terms

- a. 100% within 60 days of delivery on submission of invoice & delivery challan for each unit. If the vendor delivers goods within 7 days of order confirmation, 100% payment will be done within 45 days.
- b. If a vendor fails to deliver the goods as per the delivery schedule. PREJHA foundation is entitled to delay payment by 2 days for each day delay in delivery. If such delay extends beyond 7 days, it could lead to possible forfeiture of security deposit.

13. Unloading

- a. Unloading is in Vendor's scope; cost & arrangement will be borne by Vendor.
- b. The risk of all materials till receipt at location will be in vendor's scope.

14. Quality of goods and services.

The Vendor should warrant to PREJHA that:

- The Goods and Services would conform in all respects to the Order and to recognized Indian or equivalent standards and codes (where applicable) and be at the complete satisfaction of Buyer.
- The said good/services processed and delivered by the Vendor shall be made from good quality bought out components/materials, as acceptable to the Buyer and it should have standard/excellent workmanship and fit for their intended purpose.

15. Warranty/ Guarantee

- a) The said goods/services delivered by the Vendor should be identical to the sample/specification given by the Vendor.
- b) Where the said goods/services delivered by the Vendor to the Buyer is according to sample as well as certain specification/description, if any, the said goods/services processed and delivered, shall match not only with the said sample, but also with the said specification/description.
- c) If deficiency is identified before or during the transfer of risk or during the Guarantee/warranty Period, the Vendor must at its own expense and at the discretion of the Buyer either repair the deficiency or provide re-performance of the Services or replacement of delivery. This provision also applies to delivery subject to inspection by sample test. The discretion of the Buyer shall be final.

16. Inspection

- a) All materials supplied against the order should conform strictly to the specifications laid down by the Buyer, and should be new, merchantable quality, fit for their intended purpose and should be in line with "Quality Assurance Plan", if any, which must be approved in advance by the Buyer. All such materials will be subject to inspection and approval by the Buyer, either at the Vendor's premises and/or at the place of delivery indicated by the Buyer.
- b) The Buyer reserves the rights to inspect the material at any stage during manufacture or supply and reject the same if found defective or not in conformity with the specifications or not fit for their intended purpose without invalidating the remainder of the order, if so desired by the Buyer.
- c) All rejected material from the Buyer's site store shall be removed by the vendor at their own cost positively within 15 days from the date of rejection note / intimation issued by the Buyer to them. In case of any failure to remove the same by the vendor within the stipulated period, the Buyer shall have all rights to remove the rejected materials/goods from their premises and discard it. Any cost on this account would be debited to vendor's account.
- d) The Buyer under no circumstances will be liable or held accountable for any damage, loss, deterioration of the rejected materials/goods for discarding the material/goods, or for any value for it.

17. Damage or loss in transit

- a) Subject to the terms of the Order, the Vendor undertakes at its own expense to replace goods lost or damaged in transit.
- b) The delivery will not be deemed to have taken place until replacement items are delivered to the satisfaction of the Buyer.

18. Ownership and risk

Subject to the terms of the delivery and without prejudice to PREJHA Foundation's other rights under the Conditions of the Order:

- a. Ownership in the Goods shall pass to PREJHA on delivery and acceptance.
- b. Risk in the Goods shall pass to PREJHA on delivery, save where the Order includes installation, in which case risk shall not pass to PREJHA until completion of the installation work.

19. Fraud/Corruption

PREJHA Foundation requires that the bidders participating in the selection process adhere to the highest ethical standards, both during the selection process and throughout the execution of the Contract.

PREJHA Foundation will terminate the Contract, if already awarded and will declare the bidder ineligible, either indefinitely or for a stipulated period, to be awarded a Contract, if at any time it determines that the bidder has in contravention to the undertaking given in the Bid document and/or contract, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract as enshrined in the undertaking in bidding document and contract

20. Conflicting relationships

Bidder has an obligation to disclose as part of the bid document any situation of actual or potential conflict that impacts their capacity to serve the best interest of PREJHA Foundation, or that may reasonably be perceived as having this effect. Failure to disclose the said situations may lead to the disqualification of the bidder or the termination of its Contract

21. Jurisdiction.

The disputes if any between the parties shall be subject to the exclusive jurisdiction of the courts in Ranchi alone.

STANDARD FORMS

TECH FORMS	FORM NAME	Mention list of all supporting documents attached
TECH-1	Letter of proposal submission	Pls scan & attach
Pan card	Pan Card	Pls scan & attach
GST Return	Latest GST return(GSTR 3B)	Pls scan & attach
PQ	Pre-Qualification Documents	Pls scan & attach
Data Sheets	Data Sheets for Cameras , NVR & others	Pls scan & combine datasheets and attach

Form Tech 1: Letter

(On Bidder's Letter-head)
Letter of Proposal Submission

To,
Executive Director
PanIIT Alumni Reach For Jharkhand Foundation
Kalyan Complex, Balihar Road, Morabadi,
Ranchi - 834008, Jharkhand

We, the undersigned, offer to supply & installation of High end CCTV security system for PREJHA Foundation, in accordance with your Request for Quotation dated 16-02-2024. We are hereby submitting our proposal, which includes this Technical Proposal, and the Financial Proposal as indicated

We undertake the total responsibility for supply of the goods, if awarded to us.

We hereby declare that all the information and statements made in this proposal are true and accept that any misrepresentation contained in it may lead to our disqualification.

We understand that **PREJHA Foundation** is not bound to accept any proposal it receives.

We further state that we understand that PREJHA Foundation will terminate the Contract, if already awarded and will declare the bidder ineligible, either indefinitely or for a stipulated period, to be awarded a Contract, if at any time it determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing a Contract

Yours faithfully,

*Authorized Signatory [*In full and Designation*]: Name and Title of Signatory:

Name of

Bidder:

Address:

Form Fin1: Financial Bid Proforma

S. No	Item Description	Estimated Qty	Unit Rate	Estimated Value	Tax %	Tax	Freight
1	Supply and installation of 2MP Network Camera: The network camera must embody specifications inclusive of a 1/2.8" progressive scan RGB CMOS image sensor, day/night operation with a built-in IR cut filter, and minimum illumination levels of 0.07 lux (color) and 0.01 lux (B/W) at 50 IRE, F2.0, with IR illumination support. Additional requirements comprise a 3-9 mm varifocal lens, electronic shutter settings between 1/66500 s and 1/2 s, image resolution of at least 1920x1080, and support for video compression standards including H.264, H.265, and Motion JPEG. The camera should offer frame rates up to 50/60 FPS with controllable bit rate, multiple streams, intelligent analytics, digital PTZ, and privacy masks. It should seamlessly interact with a range of protocols (most among IPv4, IPv6 USGv6, HTTP, HTTPS,, SSL/TLSa,QoS Layer 3 DiffServ,FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3,(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP,RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, MQTT,Syslog) and ensure robust security features. The device is expected to come with a 5-year OEM warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis	40					
2	Supply and installation of 2MP Outdoor Camera: It should feature a 1/2.8" progressive scan RGB CMOS image sensor and a varifocal lens with a focal length range of 10.9-29 mm and an aperture range of F1.7-1.7. It should offer a horizontal field of view from 29° to 11° and a vertical field of view from 16° to 6°, ensuring comprehensive coverage. It should facilitate day/night operation with an automatic IR-cut filter and hybrid IR filter, enabling clear imaging even in low-light conditions with a minimum illumination of 0 lux when IR illumination is activated. The camera should support shutter speeds ranging from 1/37000 s to 2 s with Forensic WDR and 1/71500 s to 2 s without WDR. It shall have compute capabilities like a deep learning processing unit (DLPU). It should offer versatile video compression options including H.264, H.265, and Motion JPEG, with resolutions ranging from 1920x1080 to 160x90 in 16:9 aspect ratio. It should be capable of achieving frame rates of up to 25/30 fps with Forensic WDR and up to 50/60 fps without WDR in all supported resolutions. In terms of protocols(most among IPv4, IPv6 USGv6, HTTP, HTTPS,HTTP/2, SSL/TLS,QoS Layer,3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP,IGMP, RTCP, ICMP, DHCPv4/v6, ARP, SOCKS, SSH, LLDP, MQTT,Syslog), it should support a wide range and provide text overlay options. It should efficiently manage bandwidth and storage while providing up to 20 unique and configurable video streams. Robust noise reduction, comprehensive image settings, and integration capabilities with various systems and protocols should ensure seamless operation and flexibility. The camera must support 3rd party edge-based analytics, possess built-in analytics capabilities, and support human and vehicle detection through machine learning. Mounting options should include wall or pole mounts, and compliance with ONVIF S and G, NDAA, non-compliance with specified standards. Additionally, it should offer audio features such as automatic gain control and network speaker pairing, enhancing its functionality for comprehensive surveillance applications. The device is expected to come with a 5-year OEM warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis	40					
3	Supply and installation of 4 MP camera: It should incorporate a 1/2.7" progressive scan RGB CMOS image sensor paired with a 2.4 mm lens featuring a fixed iris and fixed focus, with an aperture of F2.1. Its horizontal field of view should span 130° while the vertical field of view covers 72°, ensuring broad coverage. The camera should seamlessly transition between day and night	40					

	<p>modes, facilitated by an automatically removable infrared-cut filter, ensuring clear imaging in varying lighting conditions. Minimum illumination levels should be 0.19 lux in color and 0.04 lux in black and white at 50 IRE, with IR illumination enabling visibility even in complete darkness. Shutter speed adjustments ranging from 1/33500 s to 1/5 s should enhance image clarity. It should offer extensive camera angle adjustments, including pan ($\pm 180^\circ$), tilt (0° to 60°), and rotation ($\pm 95^\circ$), ensuring flexible positioning and versatile viewing angles. The camera's system on chip (SoC) should be driven by an ARTPEC-7 model, with 1024 MB RAM and 512 MB Flash memory, ensuring efficient processing and storage capabilities. Video compression should be supported in H.264, H.265, and Motion JPEG formats, with resolutions ranging from 2688x1512 to 320x240, and frame rates of up to 25/30 fps in alignment with power line frequency. With Axis Zipstream technology, it should optimize bandwidth usage while offering multiple, individually configurable video streams. The camera should offer comprehensive image settings, including compression, color saturation, brightness, sharpness, and white balance adjustments, along with extensive event triggers and actions for seamless integration and efficient event management. Additionally, it should feature built-in installation aids such as a pixel counter and adjustable IR-illumination intensity, ensuring ease of setup and optimal performance. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>					
4	<p>Camera Station/All-in-one recorder: Processor: Intel core, Memory: 16GB (2x8GB), Storage: 8 TB (1x8 TB) Cold swappable Enterprise Class SATA HDD, 7200 rpm, 2 HDD slots. capable of managing up to 64 doors and 32 video channels featuring a range of connectors such as USB ports, DisplayPort™, and RJ45 Ethernet. Graphic Card: Intel HD Graphics . Operating System: Microsoft Windows 10 IoT Enterprise, Operating system drive: 256 GB SSD. Video Streaming: capabilities should encompass live view and playback scenarios, adhering to specified resolutions and frame rates. Playback should support 4 x 1080p camera split views or 1 x 4K camera view. Recording: The system must be qualified for recording with a total recording rate of 256 Mbit per second. General: Power requirements should not exceed 500 W, supporting a range of 100 V AC to 240 V AC. Camera Station should incorporate features like secure boot, Edge Vault, and FIPS 140-2 level 2 certified hardware protection The system should meet or exceed most of the following standards: EN 55032 Class B, EN 55035, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, ISED ICES-003 Class B, RCM AS/NZS CISPR 32 Class B, KS C 9832 Class B, KS C 9835, VCCI 32-1 Class B, BSMI, Safety: IEC/EN/UL 62368-1, EN 62311, NOM-019-SCFI-1998. (We are open to equipment that either meets the provided specifications or surpasses them.) Warranty: A 5-year warranty is required. Brands: Honeywell/Bosch/Pelco/Axis</p>	5				
5	<p>Microphone: Within 20 Hz - 20 kHz. Featuring a sensitivity rating of -22 dB \pm3 dB. Should achieve a Max SPL of 126 dB at a 10% Total Harmonic Distortion (THD). With a SNR of 82 dB A-weighted, relative to 1 kHz at 1 Pascal and 94 dB SPL. Its hemispherical directionality offers versatile recording options. Housed in an IP65-rated plastic casing. Should operate efficiently on a power supply of 2-10 V DC, providing flexibility in connectivity with a choice of a 3.5 mm stereo plug or a terminal block, complete with an included extender. Compliant with a range of approvals, including EMC EN 55103-2, Safety: IEC/EN/UL 60950-1, CE. Environment: IEC/EN 60529 IP65, EN 50581. The package includes essential accessories like an installation guide, drill template, white cover, mount bracket, double-sided tape (20x10 mm), cable holders, cable gaskets (M20 3 mm and M16 3 mm), and a Terminal Block to 3.5 mm Audio Extender. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	40				
6	<p>Camera Holder: It should fit $\frac{3}{4}$" NPS (National Pipe Straight) thread for easy and secure installation on compatible surfaces. The holder should be constructed with durable materials to ensure stability and longevity in various environmental conditions. It should support the mounting of different cameras and similar devices, offering flexibility in positioning for optimal surveillance coverage. The design should facilitate easy adjustment and alignment of the camera to achieve desired viewing angles. Additionally, Camera Holder should adhere to industry standards, providing a reliable and standardized mounting option for a range of surveillance applications. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.)</p>	40				

	Brands: Honeywell/Bosch/Pelco/Axis						
7	<p>Camera Holder: It should fit 3/4" NPS (National Pipe Straight) thread for easy and secure installation on compatible surfaces. The holder should be constructed with durable materials to ensure stability and longevity in various environmental conditions. It should support the mounting of different cameras and similar devices, offering flexibility in positioning for optimal surveillance coverage. The design should facilitate easy adjustment and alignment of the camera to achieve desired viewing angles. Additionally, Camera Holder should adhere to industry standards, providing a reliable and standardized mounting option for a range of surveillance applications. Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.)</p>	40					
8	<p>Telescopic ceiling mount: It should support various different camera models, ensuring compatibility with different devices. The telescopic feature allows for adjustable extension, providing flexibility in positioning cameras to achieve optimal viewing angles. The casing of the mount should be constructed from Powder coated aluminium and its should be durable materials, ensuring stability and reliability in indoor environments. The telescopic ceiling mount should be PVC-free, reflecting a commitment to sustainability. It is intended for ceiling mounting and should offer a maximum load capacity suitable for the supported camera models. Cable routing options should be available for neat and organized installations. The mount is expected to meet safety standards, with relevant certifications such as IEC/EN/UL 62368-1.Warranty - 3 Year Warranty. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	30					
9	<p>Audio and I/O Interface: It should offer two-way audio streaming with voice enhancement capabilities. Audio encoding should support various formats including 16 bit LPCM, AAC-LC, G.711 PCM, G.726 ADPCM, and Opus, with configurable bitrate options. The interface should include two external microphone inputs or line inputs, a line output, and digital input with ring power, featuring automatic gain control. Microphone specifications should include sensitivity of -31.8 dBFS A at 0 dB gain, a maximum SPL of 121 dB at 0 dB gain, and an SNR of 66.5 dB at 30 dB gain. The I/O functionality should include two configurable supervised inputs/digital outputs and a 12 V DC output with a maximum load of 50 mA, along with robust security features such as password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log, and centralized certificate management. Network protocols should encompass IPv4, IPv6, HTTP, HTTPS+H62, FTP, SMTP, SNMP, DNS, NTP, RTSP, TCP, UDP, and more. System integration capabilities should include an open API for software integration, support for premium camera brands such as Axis/Honeywell/Pelco/Bosch Camera Application Platform, and one-click connection. Analytics features should include audio detection, with event triggers and actions including external output activation and audio recording to edge storage. The interface should be encased. Power should be provided over Ethernet (PoE), with connectors for PoE in, PoE out, I/O, and audio. The interface should hold approvals for EMC and safety standards. (We are open to equipment that either meets the provided specifications or surpasses them.) Brands: Honeywell/Bosch/Pelco/Axis</p>	30					

*For Estimation purpose only
(**- Freight – Ex Ranchi)