

Notice Inviting e-Tender No. WBPTel/DG/eNIT-04/Wireless Stores/2019-20

Date: 10-06-2019

The Addl. Director General & Inspector General of Police, Telecommunication, West Bengal invites e-Tenders on behalf of Home Department, Government of West Bengal from the bonafide manufacturers/dealers or distributors/traders & Industrial undertaking organization etc. who has tender specific authorization (desirable) for the item in the table below:-

Sl.No.	Item	Quantity	Technical Specifications
1	High end UAV a) Ergonomic Water-proof Back Packs b) Field Repair Kit c) Lithium based Battery packs d) Spare propeller Sets e) Spare Landing Gear Sets f) Associated Cables & Mountings g) Ruggedized transportation boxes h) User , Technical & Maintenance Manual i) Log book.	02	Refer to Annexure - IV
E.M.D.		Rs. 1,00,000.00 (Rupees One Lakh) only	

ELIGIBILITY OF BIDDERS:

Only Manufacturers/Direct Importers/Dealers having the Tender specific authorization from OEM (Original Equipment Manufacturer) are eligible for participation in the Tender.

The event of e-filling, intending bidder may download the Tender documents from the Web Page Links "wbenders.gov.in/nicep/app" or "policewb.gov.in/wbp/tender.php" directly with the help of Digital Signature Certificate. **Earnest Money Rs. 1,00,000.00 (Rupees One Lakh) only have to be remitted through online. No alternative will be accepted. Necessary Earnest Money will have to be deposited by the bidder electronically: online - through his net banking enabled bank account, maintained at any bank.** Bidders will get the Beneficiary details from e- tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code. Bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of Payment of EMD. Bidders eligible for exemption of EMD as per Govt. rule may avail the same and necessary documents regarding the exemption of EMD must be uploaded in the EMD folder of Statuary bid documents.

2. Financial Bid is to be submitted online (both words & figures) concurrently duly digitally signed in the website: <https://wbenders.gov.in> as per Date & Time schedule stated in Clause 11.
3. (a) A tender Bidder, after being accepted by the undersigned authority, shall be liable to supply all the items in question as per the accepted rate, for a period of one year from the date of acceptance, without any hike in the prices, whatever are the circumstantial criteria thereby.
 (b) Conditional/incomplete bid will not be considered.
 (c) The Bidder should quote rate for all the items mentioned in the above table considering Clause 10 also, failing which his tender will be treated as incomplete and will be cancelled.
(d) Tenderers should specify the address within the City of Kolkata and Phone/Mobile, Fax No./e-mail I.D. for the purpose of quick communication in the event of urgency.
 (e) Deviation Statement (if any) may also be enclosed.
 (f) There should be an on site manufacturing guarantee/ warranty as per OEM for the item with a mention of specific period.

4. The selected contractors shall have to deposit 5% security deposit of the total contract value of the items in favour of the Additional Director General & Inspector General of Police Telecommunication, West Bengal in G P Notes/ Bank Guarantee Bond/F.D.R. of any nationalized bank and to execute an agreement of contract within 3 (three) days from the date of issue of the work order failing which the letter of acceptance, so issued, may be treated as cancelled as well as the earnest money so deposited

may be forfeited and the firm may be blacklisted. No interest would be paid on the performance Security Deposit. Payment will be made as and when fund will be available form the concerned source subject to complete supply of articles.

5. Orders for the supply of the approved products will be placed with the successful tenderers after the execution of the agreements, and such supply shall have to be made in such installments as may be fixed or spread over the period to be specified in the supply orders to be made in pursuance of the agreements. The successful tenderer will have to supply within the specified time schedule that had been assured at the time of selection as supplier.

6. Tender Specific authorization Certificate of OEM (Original Equipment Manufacturer) is desirable.

7. It should be noted that the firm/firms will be selected purely on a "PROVISIONAL BASIS" and the forecast requirement may increase or decrease by any quantity during the period of validity of the tender.

8. Addl. Director General & Inspector General of Police, Telecommunication, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason and not to place any orders even after selection and is not liable for any cost that might have incurred by any bidder at the stage of bidding and also reserves the right to, divide the contract amongst any number of tenderers, if required so.

Addl. Director General & Inspector General of Police Telecommunication, West Bengal does not bind himself to accept the lowest rate.

9. Selected contractors will have to supply articles according to the indents placed with them from time to time within the specified period as per approved sample and/or the product demonstrated for inspection and evaluation, failing which the firm may be blacklisted with the forfeiture of security deposit. In the event of the non-supply of articles or if articles supplied by the selected contractors is found to be sub-standard, the Addl. Director General & Inspector General of Police Telecommunication, West Bengal may (without notice to the contractors) purchase from elsewhere the articles required. Any loss incurred by reason of the price paid for such article(s) or any other loss or expense incurred by reason of such default on the part of the contractors may be deducted from the bills or any money payable to the contractors or from the security deposit of the concerned contractor(s). If the performance of the supplied items/equipment are found unsatisfactory or not as to our desired level even after payment, the supplier has to refund the entire amount paid to him earlier for that particular item/equipment.

10. Selected contractor will be bound to install and configure the base stations and arrange a comprehensive training program for the operation and maintenance of both type of sets to the end users at their own cost.

11. DATE & TIME SCHEDULE:

SI. No.	Particulars	Date & Time
1	Date of uploading of NIT Documents (Online)	10.06.2019 at 1800 hrs
2	Documents download/Sell Start date (Online)	10.06.2019 at 1800 hrs
3	Date of hoisting of documents at Departmental Website "policewb.gov.in"	11.06.2019 at 1400 hrs
4	Bid submission start date (Online)	10.06.2019 at 1800 hrs
5	Bid submission closing date (Online)	02.07.2019 at 1400 hrs
6	Last date of submission of Earnest Money Deposit	02.07.2019 at 1200 hrs
7	Technical Bid opening (Bid A)	04.07.2019 at 1400 hrs
8	Date of uploading list of technically qualified bidders	To be notified later
9	Date for opening of Financial Proposal (Bid B) (Online)	To be notified later
10	Date of uploading list of bidders along with the approved rates	To be notified later

12. Bid opening Location: Office of the Director General & Inspector General of Police, Telecommunication, West Bengal, 3 Manik Bandyopadhyay Sarani, Tollygung, Kolkata 700 040.

13. Canvassing on the part of tenderers will render his tender to cancellation summarily.

14. For any clarification and collection/verification of sample regarding Specifications of the Tender, Tenderers are requested to contact with DySP (Technical) , Telecommunication Hqrs., 3 Manik Bandyopadhyay Sarani, Tollygunj, Kolkata 700 040.

NB: Any inconsistencies in the descriptions may be expeditiously brought to the notice of the Tendering authority.

INSTRUCTIONS TO BIDDERS

GENERAL GUIDANCE FOR e-TENDERING:

Instructions/ Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

I. REGISTRATION OF THE CONTRACTOR:

Any contractors willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System, through logging on to **<https://wbidders.gov.in>** (the Web Portal of Public Works Department) the contractor is to click on the link for e-Tendering site as given on the web portal.

II. DIGITAL SIGNATURE CERTIFICATE (DSC):

Each Contractor is required to obtain a Class-II OR Class-III Digital Signature Certificate (DSC) for submission of tenders for the approval service of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the website stated in Clause-I above DSC is given as a USB e-Token.

III. The contractor can search & download N.I.T. & Tender Document(s) electronically from computer once he logs on to the website mentioned in clause-I using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

IV. SUBMISSION OF TENDERS:

Tenders are to be submitted through online to the website stated in Clause-I in two folders at a time for each work, one in Technical Bid & the other is Financial Bid before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digital Signed. The documents will get encrypted (transformed into non readable formats).

V. PENALTY CLAUSES:

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT / MISLEADING DOCUMENTS: If during the tender process or at any state during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenders who have submitted false / misleading / fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of Earnest Money, Forfeiture of Performance Bank Guarantee if enlisted as a supplier.

VI. TECHNICAL PROPOSAL:

The Technical proposal should contain scanned copies of the following in two covers (folders).

(a) Statutory Cover containing the following documents:

(1) NIT (2) EMD (3) AGREEMENT PAPER (AS ANNEXTURE-III) (4) TECHNICAL SPECIFICATIONS & WARRANTIES AS PER OEM

(b) Non-statutory Cover containing the following documents:

THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTS SHOULD BE ARRANGED IN THE FOLLOWING MANNER:-

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory Documents" to send the selected documents to Non-Statutory folder.

Next Click the tab "Click to Encrypt and upload" and then click the "Technical" Folder to upload the Technical Documents.

SI. No.	Category Name	Sub-Category Description	Detail(s)
A	Certificate(s)	Certificate(s)	GST Registration, Trade License, Income Tax/PAN, Letter of Authorization/DPL (Dealer Possession License)/ OEM (Original Equipment Manufacturer), Latest P.Tax (Challan).
B	Company Detail(s)	Company Detail	Proprietorship Firm (Trade License) Partnership Firm (Partnership Deed, Trade License), Ltd. Company (Incorporation Certificate, Trade License) Society (Society Registration Copy, Trade License) Power of Attorney.
C	Credential	Credential - 1	Similar nature of work done & completion certificate, which is applicable for eligibility in this tender.
D	Returns	Income Tax	Last 3 Financial Year's of Income Tax i.e. for 2015-16 2016-17 & 2017-18
SI. No.	Category Name	Sub-Category Description	Detail(s)

NOTE: BLACK & WHITE SCAN, MULTIPAGE SCAN, DPI MAX 200-300

I. FINANCIAL PROPOSAL:

(a) The contractor is to quote the rate for all the items online through computer in the space marked for quoting rate in the BOQ (Bill of Quantities). *The Quoted Rate should not be higher than printed MRP.*

(b) If any contractor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

(c) The financial proposal should contain the following documents in one cover (folder) i.e., BOQ (Bill of Quantities).

(d) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor. If any tenderer fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the tenderer and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

OPENING & EVALUATION OF TENDER:

1. Opening of Technical Proposal: A Committee comprising of Superintendent of Police, Deputy Superintendent of Police, and a team of Technical officers of Telecommunication West Bengal will open the Technical bid of the Tender.

2. Intending Tenderers may remain present if they so desire.

3. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents the tender will summarily be rejected.

4. Decrypted (transformed into readable formats) documents of the non- statutory cover will be downloaded & handed over to the Tender Evaluation Committee.

5. Summary list of technically qualified tenderers will be uploaded online.

6. Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible tenderers & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

7. During evaluation, the committee may summoned of the Tenderers and seek clarification/information or documents or original hard copy of any of the documents already submitted and if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

II. REJECTION OF BID:

The Addl Director General & Inspector General of Police Telecommunication, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason and not to place any orders even after selection and is not liable for any cost that might have incurred by any bidder at the stage of bidding and also reserves the right to divide the contract amongst any number of Tenderers if required so and to place order for more or less than the quantity mentioned in the forecast requirement. The Addl Director General & Inspector General of Police, Telecommunication, West Bengal does not bind himself to accept the lowest rate.

III. AWARD OF CONTRACT:

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter / Letter of Acceptance both online & offline to save time. The notification of award will constitute the formation of the Contract. The Agreement in prescribed format in admissible stamp duties will incorporate all agreements between the Tender Accepting Authority and the successful bidder/bidders. The time frame for attending the fault and restoration of equipment within the warranty period and penalty clause for the defaulters will be included in the agreement. All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Acceptance, the successful bidder shall have to submit requisite copies of contract documents downloading from the website stated in the N.I.T. along with requisite cost through Demand Draft issued from any nationalized bank in favor of Director General & Inspector General of Police Telecommunication, West Bengal for the concerned work within time limit to be set in the letter of acceptance.

Payment Terms: After receipt and satisfactory testing of the equipment.

IV. VALIDITY PERIOD:

The contract period will be up to June, 2020.

Sd/-
Addl. Director General &
Inspector General of Police
Telecommunication, West Bengal

FORMAT FOR CHECK LIST

Sl.No.	Items	Pl mark ✓		Page No.
1	Application submitted in Annexure - I	Yes	No	
2	Annexure - II (Authorization letter of signatory from the Company)	Yes	No	
3	Annexure - III (Copy of agreement between the manufacturer and the Distributor)	Yes	No	
4	Copy of PAN Card / GST registration certificate	Yes	No	
5	Copy of Demand Draft/Pay order as applicable in favour of the Addl. Director General & Inspector General of Police Telecommunication, West Bengal - as Earnest Money	Yes	No	
6	Last 3 financial years' Balance Sheet, i.e., for 2015-16 2016-17 & 2017-18	Yes	No	
7	Credential for Supply of equipment & completion certificate, to any State Police / CPMF of India	Yes	No	

Annexure - I

APPLICATION FORMAT

(To be furnished in the Company's official letter pad with full Address and Contact No., etc.)

**To: The Addl Director General & Inspector General of Police
Telecommunication, West Bengal
3 Manik Bandyopadhyay Sarani
Tollygunj, Kolkata 700 040**

Sub: NIT for Wireless Stores at Office of the Addl Director General, & Inspector General of Police,
Telecommunication, West Bengal, 3 Manik Bandyopadhyay Sarani, Tollygunj, Kolkata 700 040.

Ref:

Sir,

Having examined the pre-qualification & other documents published in the NIT, I/we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of
In the capacity of.....duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the NIT mentioned above and declare that we shall abide by it for throughout the tender period.
3. We are offering rate for all the item /items and assured supply to the West Bengal Police Telecommunication, Government of West Bengal as mentioned in Page-1.
4. (a) We propose that the order and bill should be raised in our name. For liaisoning, we have appointed M/s having its office at (Address, Contact No. and e-mail address) as C&F agent /Liaisoner /Contact person/..... Others (strike out whichever is not applicable) as per clause of the NIT
OR
(b) We propose that order and bill should be raised in favour of our authorized Distributor. For that purpose, we have appointed M/s having it's office at (Address with contact No. and e-mail Address) as authorized Distributor who will receive order and payment in his name on our behalf.
- (c) The agreement between ourselves and the distributor/C&F/Liaisoner & other documents as prescribed is attached in annexure III .
5. In the event of being selected, supply will be made within the stipulated period excepting the condition which is beyond our control.
6. We understand that:
 - (a) Tender Selection Committee can amend the scope & value of the contract bid under this project.
 - (b) Tender Selection Committee reserves the right to reject any application without assigning any reason.

Date:-

Signature of applicant including title.
and capacity in which application is made.

Telephone No.:

Mobile No.:

e-Mail Address:

Annexure - II

Authorization letter from Company for authorized signatory.

Annexure - III

Copy of agreement signed between tenderer and the distributor etc.

Annexure - IV
Technical Specification of Micro Unmanned Aerial Vehicle
(UAV) System

1. Micro UAV systems should consists of the following sub-systems.

- a) UAV Bird with battery pack
- b) Ground control station with data link equipment
- c) Daylight camera payload
- d) Night camera payload
- e) Universal battery charger with power supply system

2. Micro UAV characteristics

SI No	Parameter	Specifications
2.1	Role	Surveillance , reconnaissance and detection during day and night
2.2	Launch and recovery mode	i) vertical take off and landing (VTOL) from within and area of 25m X 25m clearing or less. ii) Payload should not damage during recovery of UAV
2.3	Aural Signature	< 40dbs at 300 meters
2.4	Payloads carrying capability	Should have capable to carry electro Optic(EO) for day and Thermal Imager (TI) for night one at a time
2.5	Flight Modes	a) Fully autonomous vertical take off b) Fully autonomous vertical landing c) Hover at defined waypoing (position hold better than 25m) d) Autonomous waypoing navigation (Pre-defined as well as dynamically adjustable waypoints during flight) e) Remote piloted mode for video based user navigation f) Vision based autonomous target tracking of fixed and moving targets g) Should be controllable in real time from the GCS up to recovery h) Fully autonomous and stabilized
2.6	Endurance	40 minutes or more with all payloads at mean sea level
2.7	Operating Altitude	400m AGL (Above Ground Level) or more
2.8	Max Launch Altitude	2000m AMSL (Above Mean Sea Level)
2.9	Range of Operation	Minimum 4km line of sight
2.10	Cruise Speed	25 km/h or more
2.11	Operating wind condition	a) Take off: 20km/h or more b) Landing : 20km/h or more c) Operate: 20km/h or more
2.12	Failsafe features	a) Return to Home on communication failure b) Return to Home / Land on low battery c) Multiple GPS on-board for GPS failure redundancy
2.13	Propulsion system	Electrical with rechargeable batteries

3. Payload characteristics:

SI No	Parameter	Specifications
3.1	Payloads required	a) Electro Optic (EO) for day (colour) b) Thermal Imager (TI) for night c) Combined in single payload or different payloads for day and night
3.2	Payload and Video Stabilization	a) All payloads should be gimbals stabilized on-board b) Video output should be digitally stabilized at all zoom levels c) Quality of video should not be affected by UAV vibrations
3.3	Electro optic (EO) Daylight Payload	a) Colour Camera with 360° pan and 90° tilt control b) Resolution: 640X 480 pixels or better c) Optical Zoom : 10x zoom with minimum FOV 5° or less Additionally , 4x digital zoom . Max FOV : 45° (wide field) d) Should be able to detect Human size target at 600m or more
3.4	Thermal Imager (TI) Night Payload	a) Thermal Camera with 360° pan and 90° tilt control . b) Resolution : 320 x 240 pixels or better c) White/Black Hot modes d) Digital Zoom : 4X or more e) Should be able to detect human size target at 300m or more
3.5	Night Recovery Beacom	Switchable (from GCS) LED light when operating with Night Payload

4. Ground Control Station Characteristics:

SI No	Parameter	Specifications
4.1	GCS should have MIL-STD-810 and IP65 rugged, water and dust resistant design for the flexibility to work freely in nearly and environment , top with a multicolour , anty-glare, sunlight readable	
4.2	Computing Hardware:	
	CPU	Intel core i5 v pro processor , 1.9 Ghz or better
	Storage	At least 200 GB
	Memory	2GB or more
	Display	10 inch – 1024 x 768 VGA sunlight viewable
	Audio	Integrated speaker
	Key board and input	Touch screen
4.3	Battery operation	Minimum 2 hrs at peak utilization
4.4	Battery charging time	Should be less than 3.5 hrs
4.5	Data portability	Ports for data transfer to external secondary storage devices
4.6	Interface	VGA , head phone / speaker , microphone / line – in serial , USB , IEEE 1394a, 10/100/1000 Ethernet
4.7	Capability	a) Transmit control commands to UAV b) Receive UAV flight and propulsion parameters c) Receive, display and record real time day and night VEDIO form UAV d) Capability to control UAV while on the move
4.8	GCS Application Software	a) Geographic Map along with UAV location , UAV ttjectory, camera view polygon, waypoints and flight plan b) Real-time video from the UAV with on-screen display of important parameters like UAV co-ordinates, target (payload) co-ordinates and range form UAV , true North indication etc. c) Geographic map and real-tiem video should be displayed at all times during the flight

		d) Geographic map and real-time video views should be resizable and / or switchable to allow user to switch between big map/small video and small map/big video views through a single click / button input e) Artificial Horizon indicating UAV attitude
4.9	Map Formats	a) Should have the capability to integrate geo-referenced raster maps provided in at least one of the commonly used digital map formats (gif, tiff etc.) b) Should be able to work with Google Maps, application should have the capability to download maps automatically after specifying location GPS co-ordinates
4.10	Payload Controls	a) Selection and switch on/off of payload b) Pan/Tilt/Zoom Controls c) Point payload to ground co-ordinate function d) Recording on/off e) Switch on/off Night Recovery Beacon
4.11	Video	a) Video should be recorded in any commonly portable video formats (AVI,MPEG,MP4 etc.) b) Video of the full flight should be recorded c) Should have capability to take image snapshots at any time during flight d) Software should be provided that will facilitate extraction of imagery from the recorded video post flight
4.12	Pre-flight checks	Self-test of UAV system,Output: go/no go

5. Communication Link: -

5.1	Communication Link Equipment capability	a) Transmit control commands from GCS to UAV b) Transmit Parameter of UAV and Payload to GCS c) Transmit Day and Night video from UAV to GCS
5.2	Type of Link	Secured digital uplink and downlink with AES encryption
5.3	Frequency BAND	System should operate on UHF frequency band uplink and downlink , preferably on license free band ie. 2.4GHz

6. General System Requirements :

6.1	Size	a) Length and width (maximum 120cm X 120 cm) b) Height (maximum 60cm)
6.2	Weight	The weight of complete micro UAV bird including battery pack and one payload should be less than 4Kg
6.3	Assembly/Disassembly time	Less than 10 minutes each
6.4	Life of micro UAV	The total technical life of micro UAV should not be less than 500 landings
6.5	Environmental conditions for operation and storage	The UAV and associated systems should be certified for operation and storage for following environment conditions a) Damp Heat: 40 ° C at RH not less than 95% b) Operating Temperature and storage Temp: - 10 ° C to +55 °C c) Ability to withstand dust , drizzle and humid conditions
6.6	Portability and operation	The micro UAV should be battery operated portable , light in weight , compact, for day and night surveillance , capable of being carried and operated by two men
6.7	Battery	The intelligent standard Lithium based battery pack should have the backup of minimum 40 Minutes
6.8	Battery Charger	Suitable universal battery charger to charge the batteries with in two to three hours.

