

**Notice Inviting e-Tender No. WBPTEL/DG/eNIT-35/Wireless Stores/2019-20    Date: 19/03/2020**

The Director General & Inspector General of Police, Telecommunication, West Bengal invites e-Tenders on behalf of Home Department, Government of West Bengal from the Manufacturers/Direct Importers/Dealers who has tender specific authorization for the **items** in the table below:-

Sl.	Items	Project Qty.	Technical Specifications
1	<p><b><i>Project for:</i></b></p> <p><b>Micro Wave Link between any two locations of more than 45 KM apart in the State through unlicensed bandwidth approved by the Govt. of India with data / voice communication including commissioning and installation of all the equipments .</b></p> <p><b>The equipments needed are as follows :</b></p> <p style="padding-left: 40px;">i) Radio = 04 (four) Nos</p> <p style="padding-left: 40px;">ii) Antenna = 04 (four) Nos , with all necessary accessories .</p> <p><b>(The necessary Tower arrangement will be provided from our end)</b></p>	02 (Two)	All the required Equipments Specification is attached in Annexure – IV
<b>EMD (Rs.)</b>			<b>20,000/-</b>

**A) ELIGIBILITY OF BIDDERS:**

Only Manufacturers/Direct Importers/Dealers having major items specific authorization from OEM (Original Equipment Manufacturer) and valid ISO certification can participate in this tender . The Manufacturers/Direct Importers/Dealers having experience in this project are only eligible.

1. For the event of e-filing, intending bidder may download the Tender documents from the Web Page Links “[wbtenders.gov.in/nicgep/app](http://wbtenders.gov.in/nicgep/app)” or “[policewb.gov.in/wbp/tender.php](http://policewb.gov.in/wbp/tender.php)” directly with the help of Digital Signature Certificate. Earnest Money Rs. 20,000.00 (Rupees Twenty Thousand ) 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) & 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: <http://wbtenders.gov.in> as per Date & Time schedule stated in Clause 10.

3.(a) Bid will remain valid for a period of 1 (one) year from the issuing of acceptance letter.

(b) Conditional/incomplete Technical bid / Erroneous Financial bid will not be entertained.

(c) Tenderers should specify the address , service centre 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.

(d) Deviation Statement (if any) may also be enclosed.

(e) There should be an **on-site guarantee/warranty** as per OEM for the items with a mention of specific period.

(f) Maintenance / any servicing of the equipments for one year.

(g) The participating bidders must have Insurance Coverage for the labourers, credentials for such works. In case of any accident or injury or death of labour/s at the time of work, the Firm / Employer shall be responsible solely.

4. The selected **Bidders** shall have to deposit 5% security deposit of the total contract value of the items in favour of the 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 from 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 one month, that should be assured at the time of selection as supplier.

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

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. The purchase or execution order will be made subject to availability of Government Fund. After the tender, proposal will be initiated to the Government for allotment of Fund.

8. 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.

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 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 **the** desired level even after payment, the supplier has to refund the entire amount paid to him earlier for that particular item/equipment.

## 10. DATE & TIME SCHEDULE:

Sl. No.	Particulars	Date & time
1.	Date of uploading of N.I.T Documents (Online)	19.03.2020 at 1800 hrs.
2.	Documents download/Sell Start date (Online)	19.03.2020 at 1800 hrs
3.	Date of hoisting of documents at Departmental Website “policewb.gov.in”	20.03.2020 at 1400 hrs
4.	Bid submission start date (Online)	19.03.2020 at 1800 hrs
5.	Bid submission closing date (Online)	14.04.2020 at 1400 hrs
6.	Technical Bid opening (Bid A)	16.04.2020 at 1400 hrs
7.	Date of uploading list of technically qualified bidders	To be notified later
8.	Date for opening of Financial Proposal (Bid B) (Online)	To be notified later
9.	Date of uploading list of bidders along with the approved rates	To be notified later

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

12. Canvassing on the part of tenderers will render his tender **to be cancelled** summarily.

13. For any clarification regarding the Tender, Tenderers are requested to visit Dy.SP 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.

### **B) 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://wbtenders.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 **whatsoever** 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.

Sl. 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 2016-17, 2017-18 & 2018-19

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

#### **VII. FINANCIAL PROPOSAL:**

- (a) The contractor is to quote the rate online through computer in the space marked for quoting rate with BOQ (Bill of Quantities).
- (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 certificate 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.

#### **C. OPENING & EVALUATION OF TENDER:**

1. Opening of Technical Proposal: A Committee comprising of Superintendent of Police, Deputy Superintendent of Police, 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 the 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.

#### **VIII. REJECTION OF BID:**

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

#### **IX. AWARD OF CONTRACT:**

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance online to save time.

The notification of award will constitute the formation of the Contract.

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 EMD.

**Payment Terms: The total accepted value of the Project will be paid after successful completion of the Project.**

**Service & Spare Parts Support:** Support for Service/Spare Parts should be available during the entire Warrantee period.

**X. VALIDITY PERIOD: The contract period will be up to April, 2021.**

**Director General  
& Inspector General of Police  
Telecommunication, West Bengal**

**E) FORMAT FOR CHECK LIST**

Sl.No.	Items	Pl mark ✓		Page No.
		Yes	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 of the authorized signatory	Yes	No	
6	Last 3 financial years' returns of Income Tax, i.e., for 2016-17, 2017-18 & 2018-19	Yes	No	
7	Last quarters of last 3 financial years' returns of VAT / GST for 2016-17, 2017-18 & 2018-19	Yes	No	
10	Lead time compliance certificate from the tenderer. Format will be : Time of Delivery , Time of Installation , Time of Commissioning of System, Time of Training etc.	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 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 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 N.I.T, 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 the following item /items and assure 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**

We propose that order and bill should be raised in favour of our authorized distributor. b. For that purpose, we have appointed M/S ..... having its 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 renderer and the distributor etc.

**Annexure – IV**

<b>Sl. No.</b>	<b>Features</b>	<b>Description</b>
1	<b>Frequency</b>	Radio should operate in India ISM Band (5.8GHz) as per WPC Regulation , product should be type approved by Govt. Of India.
2	<b>Band Support</b>	Radio Must support 5.8GHz Multi-Band
3	<b>NLOS,nLOS operation</b>	Must support 512 subcarrier to support superior performance in NLOS ,nLOS conditions
4	<b>Channel Bandwidth</b>	5 / 10/15 / 20/30/40 MHz with 2.5 MHz steps or better
5	<b>Max Output Power at Antenna port</b>	-30 dBm to 22 dBm, 1dB step
6	<b>Modulation</b>	QPSK, 16-QAM, 64-QAM, 256-QAM, MIMO-B, with Forward Error Correction (FEC)
		Should support automatic adaptive modulation
7	<b>Architecture</b>	Connectorized version to use with external MIMO antenna
		Single Cable between IDU & ODU
8	<b>Distance Coverage</b>	Minimum 25KM with external dual polarization antenna and for more distance coverage need to use dual polarized directional MIMO antenna.
9	<b>External Gain</b>	System must have provision of increasing the antenna gain without RF cable to avoid moisture or point of failure, to cover longer distance
10	<b>Transmit Power</b>	Automatic transmit power control (ATPC)
11	<b>Ethernet Latency</b>	Average latency of a heavily loaded (85% of link capacity) one way trip must not exceed 7 ms (regardless of packet size)
12	<b>Packet Filtering</b>	System should support packet filtering
13	<b>Link Test Utility</b>	Should support the inbuilt link test utility to calculate the throughput and efficiency of link
14	<b>VLAN Support</b>	VLAN support based on IEEE 802.1Q
15	<b>Security</b>	56-bit DES, FIPS-197 , 128-bit AES authentication ( optional )
16	<b>Throughput</b>	System must support provide at least 200 Mbps usable throughput in 40 MHz Channel Bandwidth
17	<b>Bandwidth</b>	System should be able to configure symmetric & asymmetric bandwidth.
18	<b>MIMO-B</b>	System must have the support for 2 x 2 MIMO-B technology to increase the throughput
19	<b>LAN Interface</b>	System must have 100/1000Base(T) Half/Full Duplex, rate auto negotiated (802.3 compliant)
20	<b>Management</b>	System should have support of IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP
		System should have support of Network Management with HTTP, Telnet, FTP, SNMP v2c
21	<b>Management VLAN</b>	System should have the support of VLAN 802.1ad (DVLAN Q-in-Q), 802.1Q with 802.1p priority, dynamic port VID
22	<b>QoS</b>	Must support 802.1P and Diffserve QoS

23	<b>Error Correction</b>	3/4 Reed Solomon Forward Error Correction coding and ARQ
24	<b>GPS synchronization</b>	System should support GPS synchronization technique to eliminate interference
25	<b>Alignment</b>	SNR bar or beeper based alignment option on outdoor radio unit for antenna alignment
26	<b>Antenna Gain</b>	a) Should have provision to increase the gain of integrated antenna up to 23 dBi without using any RF cable in Integrate model
27	<b>Operation Temp.</b>	40°C to 60°C Outdoor
28	<b>Protection</b>	IP66 , IP67
29	<b>WPC Approval</b>	System must be approved from WPC
30	<b>Certification</b>	CE: EN 301 893 v1.6.1 (5.4 GHz) EN 302 502 v1.2.1 (5.8 GHz)
		ETSI: EN 301 489-1 V1.9.2 EN 301 489-17 V2.1.1
		IC: RSS Gen and RSS 210
		FCC: Part 15 Class B

### **ANTENNA SPECIFICATION**

<b>Model</b>	<b>DISH-29</b>
<b>Parameters</b>	<b>Description</b>
Frequency MHz	4940 - 5870
Gain (dBi)	32
VSWR (Max)	1.8:1
H Plane BW (Degrees)	4
E Plane BW (Degrees)	4
Polarization	Linear
Maximum Power Handling (Watts)	100
Impedance (Ohms)	50
Front to Back Ratio (dB)	>38
Cross Polarization Discrimination (dB)	>30
Mechanical Downtilt	30 Deg
Connector Termination	N (F)

### **MECHANICAL SPECIFICATION**

<b>Parameters</b>	<b>Description</b>
Temperature Range (Degree C)	-40 to + 70
Wind Speed Survival (Km/Hr)	200
Humidity	95 % No Condensation
Pole Diameter	2 to 4 Inches
Dimension (Diameter)	25.5 inces (648 mm)
Water Protection	IP 67