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GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE DIRECTOR GENERAL OF POLICE  
ITANAGAR

No: PHQ/WT/PP-01/2021 (VOL-II)

Dated Itanagar, the 17<sup>th</sup> Dec' 2024

TENDER NOTICE

On behalf of the Governor of Arunachal Pradesh, Director General of Police of Arunachal Pradesh invites Sealed Tender under two Bid systems (Technical & Financial Bid) preferably from manufacturers, authorized agents/ dealers/suppliers of reputed firms based in Arunachal Pradesh for entering into contract for Up-gradation of Digital VHF communication system at Itanagar Capital Region (ICR) through VPN with supporting WT equipments and accessories against SP(Telecom) Office , Chimpu , Itanagar, Arunachal Pradesh . For details please visit our web site - [www.arunpol.nic.in](http://www.arunpol.nic.in).

Sd/-  
Director General of Police  
Arunachal Pradesh  
Itanagar


(Not to be published)

No. PHQ /WT/PP-01/2021(VOL-II)

Dated Itanagar, the 19<sup>th</sup> Dec' 2024

Copy to :-

1. The Director of Information and Public Relations, Govt. of Arunachal Pradesh, Naharlagun for information and wide Circulation. He is also requested to pass necessary order for publication of the above Tender Notice in one leading News paper of Arunachal Pradesh and one news paper of National Daily based in New Delhi.
- ✓ 2. The In-charge Computer Cell, PHQ, Itanagar. The tender notice along-with lists of equipments with Specifications for uploading in website of Arunachal Pradesh Police.
3. Office copy

  
Superintendent of Police (Telecom),  
Itanagar  
Arunachal Pradesh



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ITANAGAR

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Dated Itanagar, the 19<sup>th</sup> Dec' 2024

**TENDER NOTICE**

On behalf of the Governor of Arunachal Pradesh, Director General of Police of Arunachal Pradesh invites Sealed Tender under two Bid systems (Technical Bid & Financial Bid) preferably from manufacturers, authorized agents/dealers/suppliers of reputed firms based in Arunachal Pradesh for entering contract for Up-gradation of Digital VHF communication system at Itanagar Capital Region (ICR) through VPN with supporting WT equipments and accessories against SP(Telecom), Chimpu, Itanagar, Arunachal Pradesh.

1. Detail of Items :

Sl	Name of Item	Approx. Qty.	Approx. amount
1.	Upgradation of existing DMR Tier II Repeaters at Daria Hill to provide multisite conventional IP network with 03 Repeaters, Antenna System, Equipment Earthing etc. available at the site.	1	Rs. 1,60,00,000/-
2.	Expansion & Integration of existing Daria Hill System with 03 site (i.e Daria Hill, Hollongi Check gate & Yupia Control Room) by secured VPN Network with roaming facility through DMR Tier II Repeaters & Radio providing automatic roaming at each site with Equipment Earthing.	1	
3.	03 Repeaters with Antenna System, Earthing and Repeater Rack at two sites i.e Hollongi Check gate & Yupia Control Room including Installation, Commissioning & Training to WT Staffs as per Users requirement (@ 03 at each site).	6	
4.	Required IP L2 Switch /Router at 03 site i.e Daria Hill, Hollongi Check gate & Yupia Control Room	3	
5.	Microwave Link between PHQ Control Room & Daria Hill Repeater Station	1	
6.	OEM make Dispatcher at PHQ Control Room	1	
7.	Any other item required for completion of the project.	As required	

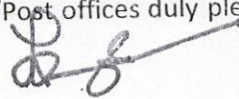
2. Critical date sheet :-

Sl	Particulars	Date	Time
1	Date of publication of Tender	10/01/2025	
2	Bid submission start date	From the date of publication onward	
3	Bid submission end date	30/01/2025 (1100 Hrs)	1100 Hrs
4	<b>Physical submission of earnest Money deposit/Bid Money and cost of Tender Documents (Tender fee).</b>	To be submitted with technical bids. However, tenderer who want to obtain tender document from SP(Telecom) Chimpu, tender fee Rs. 1000/- (Bank Draft in favour of SP(Telecom)Chimpu, payable at SBI, Itanagar) may be furnished at the time of obtaining the tender documents.	
5	Pre-bid conference at Office Chamber of IGP(Admin), PHQ, Itanagar.	20/01/2025 (1100 Hrs)	1100 Hrs
6.	Date of Technical bid opening		

3. The Technical and Financial bids are to be sealed separately in two different envelopes clearly supercribing "Technical bid and Financial bid" and then both are to be kept in a single envelope and sealed properly. The sealed envelope should be supercribed "Up-gradation of Digital VHF communication system at Itanagar Capital Region (ICR) through VPN with supporting WT equipments and accessories" and Addressed to Superintendent of Police(Telecom), Chimpu Itanagar, Arunachal Pradesh -791113.

**Envelope -1:** It shall contain documents of eligibility information as under :-

- Technical bid along with its specifications and leaflets.
- Tender documents duly completed and signed but without indication of the rates "Quoted".
- Earnest Money @ 2 % of estimated cost of the items being quoted from the list of items must be attached in form of DD/TDR/FDR of Nationalized Bank/Post offices duly pledged in favour of SP(Telecom), Chimpu Itanagar.



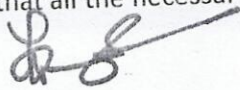


- d) Attested copy of PAN Card.
- e) Attested copy of firm GST Registration.
- f) Valid Trading license issued by competent authority for the tendered items.
- g) Letter of OEM authorization Certificate.
- h) The OEM must be registered as Category 1 manufacturer of DMR Radios with DMR Association. The information must be available on [WWW.DMRASSOCIATION.ORG](http://WWW.DMRASSOCIATION.ORG). Copy of the same to be submitted.
- i) Bidder must be ISO 9001 certified manufacturer of DMR Radios and accessories and must enclosed ISO 9001 certificate for the quoted item .
- j) The offered DMR Repeater Radios must be MIL 810G approved and government Lab certificate must be attached along with the bid.
- k) Bidder must be in possession of valid DPL license for the offered product and must enclose copy of the same.
- l) Interoperability Certificate of quoted Radio from International Laboratory Accreditation Cooperation (ILAC)/National Accreditation Board for Calibration Laboratories(NABL) lab. Source/origin of AES 256 bit encryption to be disclosed in form of documentation duly signed. It will be checked for genuineness on field.
- m) Vendors are required to submit undertaking that they will provide after sale service for next 5(five) years from the date of Acceptance of Stores by government nominated Verification Committee.
- n) Financially soundness certificate of firm from the concerned Branch Manager of Bank from where the firm operates (The bidder must have annual turnover of minimum 5 crore in the last 3 years )
- o) Attested copy of last three years Income tax return of the firm.
- p) Experience certificate of firm which must contain name designation, address, Phone No. , Fax No., Mail ID (if any) of Issuing Officer. The certificate should be countersigned by concerned OFFICE HEAD/DEPT. HEAD
- q) Undertaking from firm that Items are not Made in China or any way related to any Chinese company/vendor.
- s) Technical compliance statement should be enclosed along with technical bid clearly specifying deviation, if any for all specifications mentioned in the tender.
- t) Equipment quoted by firm must be tested & certified by Telegraph Authority of India or its designated agency. Copy of valid Test Certificate issued by Telegraph Authority is to be submitted. Equipment quoted shall have Specifications, Warning, Certificate Number and its validity printed on the body.
- u) Proper Index shall be made for all the submitted documents. Each document shall have page number at the top right hand side as indicated in Index page. Documents not mentioned in the Index page will be treated as not submitted.

**Envelope -2:-** It shall contain documents on "Financial Bid". Financial bid should indicate item wise price separately indicating the tax etc. for the items mentioned in the technical bids. Financial bids shall be opened only of those bidders who have been declared technically qualified by the committee.

**GENERAL INSTRUCTIONS :**

1. The tender bids received after scheduled date & time will not be entertained. The tenderer or their representative should remain present at the time of opening of tender with all the original documents at the time of opening the bids.
2. Rates must be clearly written in figures as well as in words clearly indicating the tax.
3. There should not be any cutting/over writing.
4. The Tenderer/Firm who fails to fulfill the eligibility conditions will be summarily rejected.
5. In case tender opening day is declared as holiday or bandh call at Itanagar, the tenders shall be received upto next working day till 1100 hrs and opened on the same day at 1130 hrs at the official chamber of IGP(Admn) , Itanagar (A.P.)
6. The bidders should keep checking the website for any added corrigendum against the tender till the last date of submission of bids and the bidder should incorporate the same in his bid documents.
7. Conditional bids and the bids not meeting the qualifying criteria on the date of receipt of bids shall be summarily rejected.
8. Bids will be opened as per time & schedule mentioned.
9. Before submission of bids, bidders must ensure that all the necessary documents have been attached with the bid.





10. The department will not be responsible for delay in submission due to any reason(s).
11. All the required information for the bid must be filled and submitted.
12. The tender papers containing full details with specifications and terms and conditions can be obtained from Superintendent of Police (Telecom) Office, Chimpu Itanagar, on payment of tender fee of Rs. 1000/- (Non refundable through a bank draft in favour of the SP(Telecom) Chimpu, Arunachal Pradesh, Itanagar payable at S.B.I. Itanagar on any working day from 0930 hrs to 1600 hrs w.e.f 10/01/2025 to 29/01/2025  
The tender documents may also be download from our website. The tenderers downloading the documents from website are also required to submit a Bank Draft of Rs. 1000/- as tender fees. No other mode of payment will be accepted.
13. Technical bid must be accompanied with earnest money pledged in favor of Superintendent of Police (Telecom), Chimpu @ 2(two) percent of the estimated cost of the items being quoted. The earnest money will be accepted in the form of DD/TDR/FDR from any of the commercial banks in an acceptable form, safeguarding the purchaser's interest in all respects & shall remain valid for a period of forty-five days beyond the final bid validity period. Tenders without earnest money will be summarily rejected
14. Earnest Money of the technically qualified firm/vendor will be forfeited to the Government in case of failure to furnish Performance Security and execution of "DEED OF AGREEMENT". Performance security should remain valid for a period of sixty days beyond the date of completion of all the contractual obligations of the supplier including warranty obligation from date of Acceptance of Stores by government nominated verification Committee.
15. Successful tenderers will be required to submit 5 % of the total value of the articles to be supplied as Performance Security & sign the "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract within 15 days from the date of issue of Supply Order/Intimation letter. Performance Security will be subject to forfeiture in case of non-fulfillment of any or all the Terms and Conditions of contract.
16. Rate should be quoted F.O.R SP(Telecom) Chimpu Itanagar. Rates quoted F.O.R other than SP(Telecom) Chimpu, Itanagar shall not be accepted. No packing or forwarding charges will be allowed. The rate of GST (as applicable) may be charged/quoted by the tenderers and the amount be clearly mentioned for all items. The rate should be quoted in Indian currency both in figure and words clearly. Submitted bids must be legible and clear in all respect else or not it is liable to be rejected.
17. The sealed tender bids should be sent by Registered Post or put in the Tender Box kept in the office of the Superintendent of Police(Telecom),Chimpu, Itanagar (A.P) on any working day from 0930 hrs to 1600 hours.
18. Successful tenderers have to supply the items within 90(ninety) days from the date of issue of Supply order failing which 5 % of Security deposited will be forfeited and supply order will be cancelled OR sum equivalent to 0.5 % of delivery price of the delayed items for each week delayed or part thereof beyond the original contract delivery period will be recovered to a maximum of 10 % as a liquidated damages .
19. Any breakage or loss of any item will be at the supplier's risk. If any item is found damaged or otherwise unacceptable at the time of delivery/inspection, the supplier will be required to replace the same at their own cost within 15 days.
20. Payment will be made to the supplier directly on completion of supplies and Acceptance of Stores by government nominated verification committee.
21. The Director General of Police of Arunachal Pradesh, Itanagar shall have the right to ask the firms to demonstrate their items before the opening of financial bids. Firms qualified in initial scrutiny shall provide a practical demonstration of equipment in compliance with the specification of tender for Technical evaluation .
22. List of equipments/items with description & specification is attached as Annexure- A & Bill of Quantity(BOQ) as Annexure - B .
23. Tenders will remain valid up to 31-03-2025
24. All items to be supplied shall be on warranty for a period of 02 years from the date of Acceptance of Stores by government nominated verification committee(except consumable items).
25. The Director General of Police, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
26. In case of any dispute, legal jurisdiction will be at Guwahaty High Court, Itanagar Bench , Arunachal Pradesh.

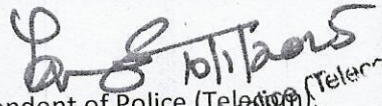




27. In case of any query tenderers may contact at following phone no./mail ID.

Officer	Telephone	E-mail ID
Dy. Superintendent of Police(T)/PInG , Chimpu	9436288680	sptelecomapp@gmail.com

Note :- For more details and any future updates, visit Arunachal Police website [www.arunpol.gov.in](http://www.arunpol.gov.in)

  
Superintendent of Police (Telecom)  
Chimpu, Itanagar  
Superintendent of Police  
Arunachal Pradesh  
Itanagar



DEED OF AGREEMENT

This agreement is made on .....between the..... hereinafter called the FIRST PARTY (which term includes their authorized representative) and the Governor of Arunachal Pradesh, represented by Superintendent Police (Telecom) on behalf of Director General of Police, Arunachal Pradesh having his office at Itanagar, 791113, District Papum - Pare hereinafter called the SECOND PARTY (which includes his successors, assignees, executors and WHEREAS SECOND PARTY has placed the order for supply of ..... vide .....Arunachal Pradesh Police Headquarters Supply order No. ....dated .....and the FIRST PARTY has accepted the said supply order.

Terms and Conditions -

1. The FIRST PARTY agrees to supply the items within 90 days from the date of receipt of Supply Order.
2. That the FIRST PARTY agrees that in the event of failure, declining, neglecting or delaying intentionally to comply with the terms and conditions of Agreement, the SECOND PARTY will be at liberty to cancel the supply order and forfeit the security deposit and initiate legal proceedings.
3. A sum equivalent to 0.5% of the delivery price of the delayed items for each week delay or part thereof beyond the original contract delivery period will be recovered by SECOND PARTY up to a maximum of 10% as Liquidated Damages.
4. The FIRST PARTY agrees to deposit 5 % of the total value of the contract as SECURITY DEPOSIT in the Form of Irrevocable Bank Guarantee of any Nationalized Bank pledged in favour of the SECOND PARTY at the time of signing this agreement valid for a period of 60 days beyond warranty period (i.e Warranty period + 02 months handling) from the date of receipt of stores to ensure satisfactory performance of the ..... : No interest shall be paid by the SECOND PARTY to FIRST PARTY on such deposits.
5. The SECOND PARTY agrees to release the performance security to FIRST PARTY after 02(two) months from the end of Warranty period obtaining satisfactory reports indicating that no manufacturing defects or variation from approved sample have been detected.
6. The FIRST PARTY agrees to supply .....at the location mentioned in the supply order without any additional cost , cess , road taxes etc.
7. The FIRST PARTY shall submit the bills along with delivery Challan within a period of 15 days from the date of Acceptance of Stores by government nominated Verification Committee.
8. The FIRST PARTY agrees to provide warranty of minimum 02 years on items which will be supplied to the SECOND PARTY from the date of Acceptance of Stores by government nominated Verification Committee(except for the consumable items).
9. Any Agreement made between FIRST PARTY & OEM, Dealer, Distributer etc. for supply of items quoted by FIRST PARTY shall have no binding on SECOND PARTY who placed the supply order.
10. In case of any disputes ,arbitration shall be held in District Session Court, Yupia (Arunachal Pradesh) or such other place as the DGP (A.P) at his discretion may determine and conduct in accordance with the provision of arbitration and conciliation Act,1996 or any statutory modification or re-enactment thereof . In this clause , the expression DGP Arunachal Pradesh includes if thereby DGP is on leave or absent from duty or is not available for any reason whatsoever , the officer who is looking after the current duties of DGP Arunachal Pradesh whether in addition to other function or otherwise .

Superintendent of Police (Telecom)  
Chimpu Itanagar  
Arunachal Pradesh

Name of Firm  
Postal Address  
E-mail & Contact No.



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**Technical Specifications of VHF(HB) DMR IP-Based Repeaters & accessories**

Sl	Particulars	
a	(i)	General : Arunachal Pradesh Police is having only one Repeater Station at Daria Hill for providing communication coverage in ICR (Itanagar Capital Region consisting of Itanagar, Hollongi, Naharlagun and Yupia) region. The on road signal coverage is not found satisfactory through the single Repeater Station leading to many shadow zones in the ICR region. To remove the shadow zones and to provide on road coverage through Hand-Held Radio, it has been decided to install two more Repeater Station at Hollongi & Yupia. All the three Repeater (one existing + two proposed) will function in wide area configuration and provide roaming facility to the radios latched on this network. The objective of this up gradation is to provide on road coverage by using Hand-Held Radio in the ICR region through the three Repeater Stations.
	(ii)	Upgradation of existing DMR Tier II Repeaters at Daria Hill to provide multi-site conventional IP network with 03 Repeaters available with Antenna System, Equipment Earthing.
	(iii)	Expansion & Integration of existing Daria Hill System with 03 site (i.e Daria Hill, Hollongi Check gate & Yupia Control Room) by secured VPN Network with roaming facility through DMR Tier II Repeaters & Radio providing automatic roaming at each site with Equipment Earthing.
<b>The System consists of:</b>		
b	(i)	03 nos. Repeater(with Repeater Rack, Antenna System, Equipment Earthing) at Hollongi Check gate & Yupia Control Room) including Installation, Commissioning & Training to WT Staffs.
	(ii)	Required IP L2 Switch /Router at 03 site Le Darla Hill, Hollongi Check gate & Yupia Control Room
	(iii)	Microwave Link between PHQ Control Room & Daria Hill Repeater Station Dispatcher at PHQ Control Room
	(iv)	OEM make Dispatcher at PHQ Control Room
c	Interoperability with existing Motorola Hand Held: (XiR P8668i, Motorola Static & Mobile Radio: XiR M8668i Radio) and other DMR Sets (interoperability).	

Sl	Name	Technical Specifications
a		<p>General:</p> <p>i) The Repeaters should support the existing models of VHF Hand-held Radio (Make: Motorola, Model: XiR P8668i) &amp; VHF Static Radios (Make Motorola, Model: XiR M8668i) available in Arunachal Pradesh Police</p> <p>ii) The Repeater station should be IP-based lightweight, OLED display with control knob, compact with State-of-the-art latest technology</p> <p>iii) The Hand-held Radios and Static Radios should be interoperable with existing DMR Tier -II Radios of Arunachal Pradesh Police i.e VHF Hand-held Radio(Make: Motorola, Model: XiR P8668i) &amp; VHF Static Radio (Make: Motorola, Model: XiR M8668i).</p>
b	Digital VHF (HB) Repeater (with Coaxial Cable & GP Antenna)	<p>Frequency Range: 136MH:-174 MHz (Full Band), Duplexer, Channel Capacity: 20 or more</p> <p>Technology Digital TDMA (2-Slot),</p> <p>Operating Mode : Dual Standard Digital &amp; Analog),</p> <p>Operating Selection: Fully automatic for both Digital &amp; Analog, Channel spacing: 12.5KHz</p> <p>Operating Voltage: 11.25 VDC &amp; 230VAC±10%, Frequency Stability: 1PPM or better, Duty cycle: 100%</p> <p>Interface: Ethernet port for IP, Antenna impedance: 50Ω(50 ohms), VSWR: better than 1.5</p> <p>Back to back patching: Repeater should be able to connect with Radio back to back using accessory Connector in digital mode.</p> <p>Weight: less than 8 KG, Display with control knob: Indicator for Transmit &amp; Receive, Protection: Reverse polarity</p> <p>Remote Diagnostic and Control: Inbuilt Necessary Software for remote diagnosis and control of repeater should be provided</p> <p>EMI/EMC: ETSI EN 301 489-1 &amp; ETSI 301 489-5</p> <p>Air Interface: Open Standard DMR Tier-II OEM</p>
		Certification supported by International recognised laboratory



Sl	Name	Technical Specifications	
c		<b>Transmitter:</b>	
		RF Power O/P: 25 to 50 Watt (Programmable), 100% duty cycle, FM Emission: 11KOF3E, 7K60FXE, 7K60FXD, 7K60FXW	
		Digital Modulation : 4 FSK, Modulation Limiting: $\pm 2.5$ KHz @ 12.5 KHz or better, Audio response: +1 3dB	
		FM & Hum & Noise: -40 dB or better, Adj. Ch. Power: -60 dB or Better. Audio Distortion: Less than 3%	
		<b>Receiver:</b>	
		Sensitivity: [Analog: 0.3 $\mu$ V (12 dB SINAD), Digital: 0.30 $\mu$ V at 5% BER] or better, Image Rejection: 65 dB or Better	
		Adj. Ch. Selectivity: 60 dB or Better, Inter-modulation: 70 dB or Better, Audio O/P: Minimum 3W	
		Audio Distortion: Less than 3%	
		<b>Environmental:</b>	
		Operating Temp.: -30°C to +55° C	OEM Certification Supported by International recognised Laboratory
		Storage Temp.: 40°C to +70°C	
		Humidity: 95% Max. at +40° C. Non Condensing	
		<b>Accessories:</b>	
		Battery cable & mounting fixtures: To be supplied with Repeater.	
GP Antenna: 8.0 dBi or better gain Omni directional antenna with 30 meter RF cable RG217 as per users requirement.			
Programming Kit: Programming kit with all the necessary software & hardware required for programming of Radio Independently with lifelong support with regular updates.			
<b>Literature:</b>			
i) User manual with each Radio free of cost in soft as well hard copy. ii) Detailed Level 3 Technical / service Manual (Original) from OEM for supplied model and version in Hard & Soft Copies			
<b>Warranty:</b> 02 Years or more for all items			



Bill of Quantity (BOQ)

Annexure -B

SI	Particular	Qty.
1	Upgradation of existing DMR Tier II Repeaters at Daria Hill to provide multisite conventional IP network with 03 Repeaters, Antenna System, Equipment Earthing etc. available at the site.	1
2	Expansion & Integration of existing Daria Hill System with 03 site (i.e Daria Hill, Hollongi Check gate & Yupia Control Room) by secured VPN Network with roaming facility through DMR Tier II Repeaters & Radio providing automatic roaming at each site with Equipment Earthing.	1
3	03 Repeaters with Antenna System, Earthing and Repeater Rack at two sites i.e Hollongi Check gate & Yupia Control Room including Installation, Commissioning & Training to WT Staffs as per Users requirement (@ 03 at each site).	6
4	Required IP L2 Switch /Router at 03 site i.e Daria Hill, Hollongi Check gate & Yupia Control Room	3
5	Microwave Link between PHQ Control Room & Daria Hill Repeater Station	1
6	OEM make Dispatcher at PHQ Control Room	1
7	Any other item required for completion of the project.	As required