



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

No. PHQ/WT/PP-180/2020

Dated Itanagar, the 18<sup>th</sup> April 2022

TENDER NOTICE

On behalf of the Governor of Arunachal Pradesh, Director General of Police, Arunachal Pradesh, Itanagar invites Sealed Tender under two Bid systems (Technical & Financial Bid) from the manufacturers, authorized agents/ dealers/suppliers of reputed firms for entering into contract for supply of various WT equipments for SP(Telecom) Office, Chimpu, 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(Not to be published)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-180/2020

Dated Itanagar, the 18<sup>th</sup> April 2022

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 may be uploaded in the website of Arunachal Pradesh Police.
3. Office copy

Dr. No. 877  
Date 24/4/22

  
Superintendent of Police (Telecom)  
Chimpu Itanagar  
Superintendent of Police (Telecom)  
SP (T) Office, Chimpu  
Itanagar (A.P.)



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ITANAGAR

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**TENDER NOTICE**

On behalf of the Governor of Arunachal Pradesh, Director General of Police, Arunachal Pradesh invites Sealed Tender under two Bid systems (Technical Bid & Financial Bid) from the manufacturers, authorized agents/dealers/suppliers of reputed firms for entering contract for supply of various WT Equipments for SP(Telecom) Office, Chimpu.

Sl no.	Name of equipment	Approx. amount earmark (in lakh)	Tender Fee (Non refundable)
1.	HF Set (Analog)	9.86	Rs.1000/-
2.	HF set with all accessories (Digital)	16.00	
3.	Digital HF with all accessories compatible with Smart plus	18.20	

2. Critical date sheet:-

Sl.	Particulars	Date	Time
1	Date of publication of Tender	27/04/2022	-
2	Bid submission start date	From the date of publication onward	
3	Bid submission end date	27/05/2022	1100 hrs .
4	Physical submission of earnest Money deposit/Bid Money and cost of Tender Documents (Tender fee).	With technical bids. However, the tenderer who want to obtain tender document from SP(Telecom) chimpu, tender fee (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 SP(T), Chimpu , Itanagar	12/05/2022	1600 hrs
6.	Date of Technical bid opening	27/05/2022	1130 hrs

3. The Technical and Financial bids are to be sealed separately in two different envelopes clearly superscribing "Technical and Financial bids" and then both are to be kept in one envelope and sealed properly. The sealed tendered/ bids should be superscripted with "Tender for WT Equipments and Addressed to Superintendent of Police(Telecom) , Chimpu Itanagar , Arunachal Pradesh -791113".

**Envelope -1:-** It shall contain scanned copies of eligibility information as under.

- Technical bid along with its specification leaflets, brochure, catalogue/literature, if any, of each tendered item.
- 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 .
- Attested copy of PAN Card.
- Attested copy of firm GST Registration.
- Valid Trading license issued by competent authority for the tendered items.
- Letter of OEM Authorized Certificate.
- Laboratory test Certificate of item from OEM .
- Financially soundness certificate of firm from the concerned Branch Manager of Bank from where the firm operates.

*(Signature)*



- j) Attested copy of last three years Income tax return of the firms.
- k) 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
- l) Undertaking from firm that Items are not Made in China or any way related to any Chinese company/Vendor.
- m) Any other relevant documents which the firm wishes to submit.

**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 INSTRUCTION:-**

1. The tenders received after scheduled date & time will not be entertained. The tenderers or their representative may remain present at the time of opening of tenders.
2. Rates must be clearly written in figures as well as in words.
3. There should not be any cutting/over writing.
4. The Tenderer/Firms who fails to fulfill the eligibility conditions will be summarily rejected.
5. The representative of the firm should present with all the original documents at the time of opening the bids .
6. 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.)
7. The bidders should keep checking the website for any added/corrigenda to the notice/bidding documents till the date of submission of bids and the bidder should incorporate the same in his bid documents.
8. Conditional bids and the bids not meeting the qualifying criteria on the date of receipt of bids shall be summarily rejected.
9. Bids will be opened as per time & schedule mentioned.
10. Before submission of bids, bidders must ensure that scanned copy of all the necessary documents have been attached with bid.
11. The department will not be responsible for delay in submission due to any reason(s).
12. All the required information for the bid must be filled and submitted.
13. Technical compliance statement should be enclosed along with technical bid clearly specifying deviation, if any for all specifications mentioned in the tender.
14. 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 27/04/2022 to 26/05/2022. 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.
15. All firms have to submit earnest money as mentioned above along with their Technical Bid.
16. Successful tenderers will be required to deposit 3 % of the total value of the articles to be supplied as performance security money within 15 days from the date of issue of letter of acceptance of tender. The successful tenders will have to enter into a "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract. Security deposit will be subject to forfeiture in case of non-fulfillment of any or all the Terms and Conditions of contract. Earnest Money of the successful tenderers will be forfeited to the Government in case of failure to furnish security money and execution of "DEED OF AGREEMENT". Performance security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligation.

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17. All the tenders must be accompanied with earnest money @ 2(two) percent of the estimated cost of the items being quoted from the list of items enclosed as annexure. The earnest money deposit 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. The earnest money deposit is normally to remain valid for a period of forty-five days beyond the final bid validity period. Tenders without earnest money will be summarily rejected. The tenderers are required to pledge earnest money deposit in the name of Supdt of Police (Telecom), Chimpu.
18. 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. Tenders must be eligible and clear in all respect else the tenders shall be liable to be rejected.
19. The sealed tender should be sent by Registered post or put in the Tender Box kept in the office of the undersigned SP(Telecom),Chimpu,Itanagar (A.P) on any working day from 0930 hrs to 1600 hours.
20. Successful tenderers have to supply the items within 90(ninety) days from the date of issue of Supply order failing which 3 % 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 .
21. Any breakage or loss of any item will be at the supplier's risk.
22. If any item is found damaged or otherwise unacceptable at the time of delivery/inspection, the supplier will be required to remove the same from SP(Telecom) office , Chimpu Itanagar, Arunachal Pradesh at their own cost within 15 days.
23. Payment will be made to the supplier directly on completion of supplies and acceptance of stores by government verification committee.
24. The Director General of Police of Arunachal Pradesh, Itanagar shall have the right to ask the firms to demonstrate their items before the items are accepted.. Firms qualified in initial scrutiny shall provide a practical demonstration of equipment in compliance with the specification of tender for Technical evaluation .
25. List of equipments/items with description & specification is enclosed at Annexure- A. Total quantity will be decided based on rate quoted by the lowest firm .
26. Tenders will remain valid up to 31-03-2023
27. All items to be supplied shall be on warranty for a period as mentioned by the manufacturing company. Where the warranty period has not been mentioned, the minimum warranty period shall be for one year (except consumable items).
28. Vendors are required to submit undertaking that they will provide **after sale service** for next 5(five) years from the date of delivery of the item.
29. 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.

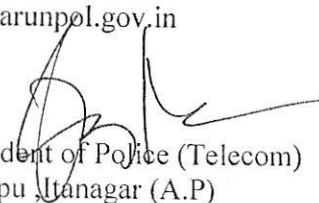




30. In case of any dispute, legal jurisdiction will be at Itanagar, Arunachal Pradesh.
31. In case of any query tenderers may contact at following phone no./mail ID.

Officers	Telephone	E-mail ID
Dy.Superintendent of Police(T)/Plng , Chimpu	9436288948	sptelecomapp@gmail.com

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

  
Superintendent of Police (Telecom)  
Chimpu, Itanagar (A.P.)  
**Superintendent of Police (Telecom)**  
**SP (T) Office, Chimpu**  
**Itanagar (A.P.)**



Name of the items with specification

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Sl No.	Name of Equipment	Technical Specification	
1	HF set (Analog)	Frequency Range	2.0 MHz to 29.9999 MHz with 100 channel spacing and 10 Hz resolution
		Modes	SSB(J3E) USB, LSB, AM, CW/MCW
		Preset	100 Channels or more
		Frequency Stability	$\pm 0.3$ PPM or better
		Built-in-test	Front panel testing.
		Input Power	+ 12 V or 24 V $\pm 10\%$ DC Nominal & 230V $\pm 10\%$ AC
		Power Consumption	$\leq 40W$ in Receive & $\leq 450W$ in Transmit
		EMI / EMC	MIL-STD- 461/462C or ETSI or CISPR 22 or IEC 61000-4 Series (TEC/EMI/TEL-001/01 FEB-09) or latest standard
		Weight	Less than 17 Kg
		Antenna Impedance	50 $\Omega$ Unbalanced
		Protection	(i) Reverse Polarity protection
			(ii) Protection against high VSWR.
			(iii) Over Voltage and Under Voltage Protection
		Roles	Fixed / Transportable
		Headphone Impedance	Up to 600 $\Omega$
		Cooling	Built in Fan / Heat Sink
		VSWR	Better than 1.5
		Visual display	Front panel LCD/LED display or latest technology
		Interface	RS-232 / USB
		Programming	PC programming software and front panel programming with programming kit.
		TRANSMITTER	
		RF Power	20W to 100W PEP (Low, Medium, High) As per user requirement with programmable feature.
		Spurious Emission	$\leq 40$ db below PEP
		Side Band Suppression	$\geq 50$ db or better
		Carrier Suppression	$\geq 40$ db or better
		Inter modulation distortion	30db minimum below PEP
		Audio Response	Within 6dB from 350Hz to 2700Hz.
		Side Tone Level	Better than 0.1 mW into 150 $\Omega$ load for 5mV of audio input at 1 KHz.
		Modulation Sensitivity	1 to 10 mV at 1 KHz for full power under SSB mode.

*[Signature]*

		<b>RECEIVER</b>	
		Receiver Sensitivity	-107dbm for 10db SINAD or better
		Image Rejection	≥70 db or better
		IF Rejection	≥70 db or better
		In band Inter Modulation Distortion	35 dB minimum below PEP
		Audio Response	Within ±6db from 350Hz to 2700Hz
		Audio Output	1W or more across loudspeaker
		Audio Frequency Harmonics Distortion	≤ 25 db or better
		<b>Environmental Parameters:-</b>	
		Operating Temperature	-30°C to +55°C
		Storage Temperature	-30°C to +60°C
		Humidity	95% non-condensing @ 40°C.
		Dust,Vibration,Shock & Altitude	MIL-STD-810F or better or JSS-55555 (As per laid down in Class L3 of JSS-55555, revision No.2)
		<b>Features:-</b>	Provision for data communication
		Selective calling	Digital FSK coding
		Scanning	5 channels per second or better
		Flash messages	Minimum 60 characters
		Inbuilt data Modem	MIL-STD -188 -110A/B/C single tone ≥ 4800 bps
		Data Communication	
		RS-232 / USB control	The Radio set should have capability to operate at 4800 baud rate or better.
		Tuneable receiver	Continuous tuneable.
		Remote Operation	Capable to operate from remote location
		Audio input sockets	Mic and external socket.
		Squelch	Voice/Digital squelch
		Push to talk.	Suitable Microphone to be provided.
		ALE 2G / ALE 3G	ALE 2G as per Appendix "A" and ALE 3G as per Appendix "C" of MIL-STD-188-141B
		Data Terminal	Compatible with BEST, Selo BEST and SMART PLUS and other PC data terminal.
		<b>Supplied Accessories:</b>	Power Supply Unit 12V, 30A / Broad band Ant, RG213-30 mtr/Service Manual Long Wire Ant with ATU, RG213-30 mtr/ Programming Cable / Technical manual/ Data Cable for Data Terminal Desktop PC connectivity/ Headphone/Morse Key.



Sl.	Name of Equipment	Technical Specification	
2	HF set with all Accessories (Digital)	Frequency Range	2.0 MHz to 29.9999 MHz with 500 Hz channel spacing and 10 Hz resolution
		Modes	SSB(J3E) USB, LSB, AM, CW/MCW
		Preset	100 Channels or more
		Frequency Stability	$\pm 0.3$ PPM or better
		Built-in-test	Front panel testing.
		Input Power	+ 12 V or 24 V $\pm 10\%$ DC Nominal & 230V $\pm 10\%$ AC ( through SMPS 12 VDC 30 Amp. With 1.5 metre cable length battery charging facility.
		Power Consumption	$\leq 40W$ in Receive & $\leq 450W$ in Transmit
		EMI / EMC	MIL-STD- 461/462C or ETSI or CISPR 22 or IEC 61000-4 Series (TEC/EMI/TEL-001/01 FEB-09) or latest standard
		Weight	Less than 17 Kg
		Antenna Impedance	50 $\Omega$ Unbalanced
		Protection	(i) Reverse Polarity protection (ii) Protection against high VSWR. (iii) Over Voltage and Under Voltage Protection
		Roles	Fixed / Transportable /Mobile
		Headphone Impedance	Up to 600 $\Omega$
		Cooling	Built in Fan / Heat Sink
		VSWR	Better than 1.5
		Visual display	Front panel LCD/LED display or latest technology
		Interface	RS-232 / USB
		Programming	PC programming software and front panel programming.
		TRANSMITTER	
		RF Power	20W to 100W PEP (Low, Medium, High) As per user requirement with programmable feature.
		Spurious Emission	$\leq 40$ db below PEP
		Side Band Suppression	$\geq 50$ db or better
		Carrier Suppression	$\geq 40$ db or better
		Inter modulation distortion	30db minimum below PEP
		Audio Response	Within 6db from 350Hz to 2700Hz.
		Side Tone Level	Better than 0.1 mW into 150 $\Omega$ load for 5mV of audio input at 1 KHz.
		Modulation Sensitivity	1 to 10 mV at 1 KHz for full power under SSB mode.



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		Receiver Sensitivity	-107dbm for 10db SINAD or better
		Image Rejection	≥70 db or better
		IF Rejection	≥70 db or better
		In band Inter Modulation Distortion	35 dB minimum below PEP
		Audio Response	Within ±6db from 350Hz to 2700Hz
		Audio Output	1W or more across loudspeaker
		Audio Frequency Harmonics Distortion	≤ 25 db or better
		<b>Environmental Parameters:-</b>	
		Operating Temperature	-30°C to +55°C
		Storage Temperature	-30°C to +60°C
		Humidity	95% non-condensing @ 40°C.
		Dust,Vibration,Shock & Altitude	MIL-STD-810F or better or JSS-55555 :As per laid down in Class L3 of JSS-55555, revision No.2
		<b>Features:-</b>	
		Selective calling	Digital FSK coding
		Scanning	5 channels per second or better
		Flash messages	Minimum 60 characters
		Inbuilt Vocoder	MELP/CELP (1200/2400 bps) or better
		Inbuilt data Modem	data compatible with operating software to be provided.
		GPS Interface	yes
		Data Communication	Provision for data communication
		RS-232 / USB control	The Radio set should have capability to operate at 4800 baud rate or better
		Tuneable receiver	Continuous tuneable.
		Audio input sockets	Mic and external socket.
		Squelch	Voice/Digital squelch
		Push to talk.	Suitable Microphone to be provided.
		Audio socket	suitable Headgear should be provided.
		Communication Security	Yes (encryption facility)
		ALE 2G / ALE 3G	ALE 2G as per Appendix "A" and ALE 3G as per Appendix "C" of MIL-STD-188-141B
		Data Terminal	Compatible with data terminal equipment.
		<b>Supplied Accessories:</b>	SMPS: 12 V 30 Amp. DC with battery charging facility, Broad band Antenna, Programming Cable , Warranty : 2 years or more, Operating & Service Manual ,Data Cable for Data Terminal Desktop PC connectivity ,Headphone ,Morse Key for CW

Sl.	Name of Equipment	Technical Specification	
3	Digital HF with all Accessories , Compatible with SMART PLUS	Frequency Range	2.0 MHz to 29.9999 MHz with 500 Hz channel spacing and 10 Hz resolution
		Modes	SSB(J3E) USB, LSB, AM, CW/MCW
		Preset	100 Channels or more
		Frequency Stability	$\pm 0.3$ PPM or better
		Built-in-test	Front panel testing.
		Input Power	+ 12 V or 24 V $\pm 10\%$ DC Nominal & 230V $\pm 10\%$ AC ( through SMPS 12 VDC 30 Amp. With 1.5 metre cable length battery charging facility.
		Power Consumption	$\leq 40W$ in Receive & $\leq 450W$ in Transmit
		EMI / EMC	MIL-STD- 461/462C or ETSI or CISPR 22 or IEC 61000-4 Series (TEC/EMI/TEL-001/01 FEB-09) or latest standard
		Weight	Less than 17 Kg
		Antenna Impedance	50 $\Omega$ Unbalanced
		Protection	(i) Reverse Polarity protection (ii) Protection against high VSWR. (iii) Over Voltage and Under Voltage Protection
		Roles	Fixed / Transportable
		Headphone Impedance	Up to 600 $\Omega$
		Cooling	Built in Fan / Heat Sink
		VSWR	Better than 1.5
		Visual display	Front panel LCD/LED display or latest technology
		Interface	RS-232 / USB
		Programming	PC programming software and front panel programming.
		<b>TRANSMITTER</b>	
		RF Power	20W to 100W PEP (Low, Medium, High) As per user requirement with programmable feature.
		Spurious Emission	$\leq 40$ db below PEP
		Side Band Suppression	$\geq 50$ db or better
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		Inter modulation distortion	30db minimum below PEP
		Audio Response	Within 6db from 350Hz to 2700Hz.
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		Modulation Sensitivity	1 to 10 mV at 1 KHz for full power under SSB mode.



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		<b>Environmental Parameters:-</b>	
		Operating Temperature	-30°C to +55°C
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		Humidity	95% non-condensing @ 40°C.
		Dust,Vibration,Shock & Altitude	MIL-STD-810F or better or JSS-55555 :As per laid down in Class L3 of JSS-55555, revision No.2
		<b>Features:-</b>	
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		Flash messages	Minimum 60 characters
		Inbuilt Vocoder	MELP/CELP (1200/2400 bps) or better
		Inbuilt data Modem	data compatible with operating software to be provided.
		GPS Interface	yes
		Data Communication	Provision for data communication
		RS-232 / USB control	The Radio set should have capability to operate at 4800 baud rate or better
		Tuneable receiver	Continuous tuneable.
		Audio input sockets	Mic and external socket.
		Squelch	Voice/Digital squelch
		Push to talk.	Suitable Microphone to be provided.
		Audio socket	suitable Headgear should be provided.
		Communication Security	Yes (encryption facility)
		ALE 2G / ALE 3G	ALE 2G as per Appendix "A" and ALE 3G as per Appendix "C" of MIL-STD-188-141B
		Data	Compatible with SMART PLUS of Bharat Electronics Limited(BEL)
		<b>Supplied Accessories:</b>	SMPS: 12 V 30 Amp. DC with battery charging facility, Broad band Antenna, Programming Cable , Warranty : 2 years or more, Operating & Service Manual ,Data Cable for Data Terminal Desktop PC connectivity ,Headphone ,Morse Key for CW, Data Cable to connect Radio with SMART PLUS