

fçgkj i fÿl eç[; ky;] i Vuk
fufonk vkeç. k l ðuk l 0&23@13&14

- 1- foHkkx dk uke& i fÿl egkfunçkd dk dk; kÿ;]fçgkj] i Vuk A
- 2- foKki unkrk dk i nuke , oa i rk& i fÿl egkfujh{kçd ds l gk; d ¼D; ¼] fçgkj] i Vuk A
- 3- fufonk i kflr dh frffk , oa l e; & fnukçd&20@01@2014 1400 çts rdA
- 4- fufonk [kksyus dh frffk , oa l e; & fnukçd&20@01@2014 1600 çts rdA
- 5- fufonk i kflr dk LFkku& i fÿl egkfunçkd dk dk; kÿ;] fçgkj] i Vuk ds dk; kÿ; Hkou ds eç[; }kj ij j [kh fufonk i çhA
- 6- dk; 7 dk 0; kçk&

S.No	Items name	Specification	Qty
1	A.C. Mili Volt meter	Specification may be obtained from this office or on website www.biharpolice.bih.nic.in	10
2	Repeater Station a/w cable & Antenna L/B	Specification may be obtained from this office or on website www.biharpolice.bih.nic.in	25
3	Fixed Station for interlinking repeater	Specification may be obtained from this office. or on website www.biharpolice.bih.nic.in	14
Note: Before submitting tender please see tender terms & conditions carefully and then verify your tender from this check list:- <ol style="list-style-type: none"> 1- For one or more items technical bid be kept in one envelope. 2- For one or more items financial bid be kept in separate envelope. 3-Certificate of manufacturer or authorization must be enclosed. 4-Earnest money of 25000/- 5-Income tax returns & copy of PAN No. 6-Turn Over 			

fufonk ds fu; ekç 'krkç dh tkudkjh ds fy, v/kççLrk{kçjh ds dk; kÿ; eç i fÿl egkfujh{kçd ds l gk; d ¼D; ¼] fçgkj] i Vuk ds nj Hkk"ç l 0&0612&2215295 ij l çi dçfd; k tk l drk çç dk; kÿ; ds l ðuk i V rFkk ççl kbV www.prdbihar.gov.in or www.biharpolice.bih.nic.in ij ns[çk tk l drk ççA

g0@&
i fÿl egkfujh{kçd ds l gk; d ¼D; ¼]
fçgkj] i Vuk A

TERMS & CONDITIONS OF TENDER NO. 23/2013-14

1. Tender of the firms situated inside /out side the State will be accepted with the condition that if their tenders are approved, the firm shall get itself registered with Commercial Tax Department, Bihar before the purchase order is issued.
2. The tender should be submitted in two parts, (1) Technical bid and (2) Financial bid duly sealed in two separate envelopes super scribed as technical bid and financial bid. The rates shall be quoted in the Financial bid. All charges like BST/CST/Service Tax /VAT etc. shall be clearly mentioned but net rate (in figures and words) including all taxes and duties shall be quoted. Vague offers like indicating taxes "as applicable" will be summarily rejected. There shall be no cutting, over writing or correction on the rates. All relevant papers/certificates/specifications etc. of items should be enclosed in technical bid.
3. The technical and financial bids for each item **should be submitted separately in separate envelopes.** The technical and financial bids for more than one items submitted together in the same envelope shall be summarily rejected. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
4. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked "Tender No.23 /2013-14 (Technical Bid) and "Tender No.23/2013-14 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in an another sealed envelope which should be marked as " Tender No.23 /2013-14 ". This envelope should not bear the name and address of the firm.
5. Up-to-date Income Tax returns (Saral) and a photocopy of PAN of the participating firm should be submitted with the technical bid. I.T. return should have stamp and signature of the concerned department, whether filed manually or electronically.
6. The turn over of the firm for the 2012-13 financial year should be at least double the amount of the supply order which is being issued. A copy of the profit and loss a/c of the firm for the 2012-13 financial year certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorised dealer and authorised supplier of manufacturing firm, then the certified details of the turnover of authorizing firm will be accepted.
7. If there is some discount in the price of any item, it should be deducted from price itself and should not be quoted separately.
8. If the product is on DGS & D rate contract then a copy of the contract be attached and pricing be done with all taxes including Bihar Sales Tax.
9. All items will be received at Central Clothing Store, Patna, therefore price should be quoted FOR Central Clothing Store, Phulwarisharif, Patna.
10. **Firms will have to deposit a sum of rupees 25000/- (Twenty five thousand) only as an earnest money in the form of postal saving passbook / NSC/Bank draft duly pledged in favour of the undersigned along with the quotations.**
11. Technical bids will be opened 20/01/2014 at 1600 PM in the office chamber of the undersigned. Representatives of the tenderer may remain present at the time of opening of the technical bid.
12. The technical bid will be opened first and if it is found as per tender conditions, it will be put before Central Purchase Committee. The firm may have to participate in discussions with this committee and / or be required to demonstrate the quoted product. Any paper / document will not be accepted after opening the tender.
13. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the stores as security money in the form of Postal Saving Pass Book/NSC/Bank Guarantee duly pledged in favour of undersigned.
14. The firm will be required to provide satisfactory after sale service.
15. The firm will be required to supply all the items within 30 days from the date of placing order.
16. Payment for the delivered items will be made after receiving OK report from the Inspection Committee.
17. The firm whose quotation is approved shall be issued A/T. Purchase order shall be issued only after the firm enters into an agreement with the undersigned. Terms & Conditions of the agreement shall be intimated in the A/T.
18. Only such manufactures/authorised dealers and authorised suppliers of manufacturing firm who fulfills the above conditions should quote for supply of items.
19. Updated Technology at the time of supply change in condition.
20. Hands on Training of the user group by the firm shall be ensured.
21. D.G. of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully without assigning any reason thereof.
22. The Quantity indicated may increase or decrease at the time of issuing purchase order.

sd/
A I G of Police (Q)
Bihar, Patna.

AC/RF MILLI VOLT METER SPECIFICATION

Specifications

Voltage Range 200 μ V to 10 v in eight ranges

(300 V to 700 MHz with a 100:1 divider) indications to 50 μ V

Voltage Display 1mv to 300 V fs

Decibel Range(>90dB in eight ranges 0.001 dB resolution)

dBmV, OdB=1mv

dBV, OdB=1v

dBW, OdB=1w

dBm, odB=1mW

(Calculated from voltage drop across as selectable Z

Reference 5 to 2000)

dBr, odB=any reference level

(Reference level can be selected at front panel to 0.001 dB resolution if display range of +/- 99.99 dB is not exceeded)

Frequency Range

10 KHz to 1.2 GHz with 95200IA Probes

10 Hz to 100 MHz with Model 952016 probe

Waveform Response

RMS to 30 mV, Calibrated in the RMS of a sine wave above 30 mV (RMS to 3v and 700 MHz with 100:1 divider)

Basic Uncertainty

voltage level (mv)

mV

3000 to 10000

2% of reading \pm 2counts

3 to 3000

1% of reading \pm 1counts

1 to 3

2% of reading \pm 2counts

0.2 to 1

3% of reading \pm 3counts

Crest Factor

Direct Input

Level	300 μ v	1mv	3mv	10mv	30mv
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Crest factor	140	42	14	4.1	1.4
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With Divider

Level	30mv	100mv	300mv	1mv	3v
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Crest factor	140	42	14	4.2	1.4
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Input capacitance

Less than 1.5 pF

Maximum AC Input

10 v, all frequencies and ranges

Maximum DC Input

200 v, all frequencies and ranges

Recorder output

10 v is proportional to indicated voltage in mV mode over a range

7V=odBm regardless of Z in dB mode sensitivity of 1v per 10dB

change over entire range

Line Stability

Less than 0.2% of reading with +/- 10% line voltage change at reference line conditions (115 to 120 VAC, 50 to 400 Hz)

Zero

Automatic, operated by panel key, usable after 5 minute warm-up

OTHER SPECIFICATION

Power Consumption 90-264 VAC, 15 Watts, 25 VA

Operating Temperature 0⁰ to +55⁰ C

Weight 5 lbs (2.3 kg)

Dimensions 8.26" (21.0 cm) wide

3.48" (8.9 cm) high

13.5" (34.3 cm) deep

IEEE-488 Interface Complies with IEEE 488 and

implements SH1, AH1, T6 L4, SR1, RL1, DC1 and DT1

RS-232 Interface Complies with RS-232

(9-pin DCE)

Appendix-D

TECHNICAL SPECIFICATION OF FIXED STATION OF VHF REPEATER

1. VHF set having facility to operate on Semi-Duplex mode H.B. / L.B.
2. Frequency separation between RX. Channel to TX. Channel at least 5 MHz
3. Sensitivity -20dB S+N Ratio with input signal > Less than 1 μ V.
4. Selectivity - Greater than 70 dB.
5. A.F Power output - 2watts across 8
6. Duplexer H.B. 146 MHz to 174 MHz
7. Antenna - Omni Directional with 1.5 dB gain. Type GP
8. Interlinking Audio Cable.

TECHNICAL SPECIFICATION OF REPEATER STATION A/w

GENERAL

1. Frequency Range - 157 to 174 MHz
2. No. of Channels - Six
3. Tx/RX separation - 5 MHz
4. Emission - 11 KOF1, 11 KOF2, 11 KOF3
5. Channel Spacing - 12.5 KHz
6. Power Supply - 12 V DC
7. Weight - Less than 15 Kgs.
8. Mounting - 19" Standard Pack Mounting

TRANSMITTER

1. R.F. Power Output - 25W \pm 5%
2. Frqcy. Deviation - \pm 5KHz
3. Freqcy Stability - 5PPM or Better
4. Spurious and Haarmonics 60 dB or Better
5. Modulation Distortion - Not to Exceed 5%

RECEIVER

1. Sensitivity - 0.35 μ V For 12 dB SINAD at the Antenna 1/P Past of the Duplexer
2. Selectivity - 60dB or Better as \pm 125 KHz
3. Audio output - 1 watt nominal with less than 5% distortion at hall power point
4. Squelch - Noise operated with 0.25 μ V or Better

OTHER FEATURES

1. Cable of single Antenna operation using Duplex Filter
2. Max. Duplex spacing - 5 MHz
3. TX. Insertion Loss - 1dB
4. Rx. Insertion Loss - 0.5 dB