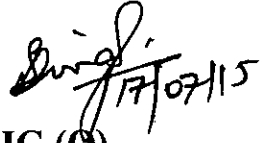


Police Headquarters, Bihar, Patna
Notice Inviting Tender No.07/2015-16

1. Name of the Department : Office of Director General of Police, Bihar, Patna.
2. Last date & time for the acceptance of the tender : 18/08/2015, Till 11.00 HRS.
3. Date & time fixed for the opening of the tender : 18/08/2015 At 11.00 HRS.
4. Place fixed for receiving & opening the tender : Office of Director General of Police, Bihar, Patna.
5. Details of Job :

S.N.	Item name	Quantity
1	Radio Test Equipment	02

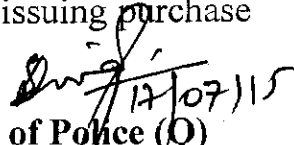
Specifications and other terms & conditions of the tender may be obtained in person from this office or may be downloaded from the website www.prdbihar.org or www.biharpolice.bih.nic.in.

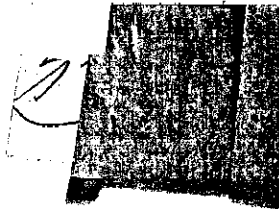

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Bihar, Patna

Terms & Conditions Of Tender No. 07/2015-16

1. Tender of the firm will be accepted only on the condition that if their tenders are approved, the firm shall get registered with the Commercial Tax Department, Bihar, before the purchase order is issued.
2. The tender should be submitted in two parts : (i) Technical Bid and (ii) Financial Bid, duly sealed in two separate envelopes super-scribed as "Technical Bid" and "Financial Bid".
3. All relevant papers/certificates/specifications etc. of items should be enclosed in the Technical Bid.
4. The rates of the items shall be quoted in the Financial Bid only.
5. All charges like BST/CST/Service Tax /VAT etc. shall be clearly mentioned in the Financial Bid and the net rate (in figures and words) including all taxes and duties must also be quoted. Vague offers like indicating taxes "as applicable" will not be accepted.
6. The rates of the items shall be quoted in the Financial Bid in two parts :
(i) With AMC (Annual Maintenance Contract) and (ii) Without AMC
7. There should be no cutting, over writing or correction on the rates.
8. 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 not be accepted.
9. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
10. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked Tender No.07/2015-16 (Technical Bid) and Tender No.07/15-16 (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 another sealed envelope which should be marked as Tender No.07/2015-16. This envelope should not bear the name and address of the firm.
11. Up-to-date Income Tax Returns, Turn Over of last three financial years and a photocopy of PAN of the participating firm should be submitted with the technical bid. It should be specifically mentioned whether IT return has been filed manually or electronically.
12. The turn over of the firm for the 2014-15 financial year should be at least double the amount of the supply order which is being issued. A copy of the profit and loss Account of the firm for the 2014-15 financial year, certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer or authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm may be accepted.
13. If there is some discount in the price of any item, it should be deducted from price itself and should not be quoted separately.
14. If the product is available on DGS & D rate contract, then a copy of the contract must be attached and pricing be done including all taxes.

15. A copy of the test report for the product issued by a competent authority within last one year should be attached with the technical bid.
16. In case of BP/BR items, test report of TBRL is compulsory.
17. Firms participating in this tender shall also submit the self attested list of users of its equipments.
18. All items shall be received at Central Clothing Store, Patna, therefore price should be quoted FOR Central Clothing Store, Phulwari Sharif, Patna.
19. Firms will have to deposit a sum of Rs.50,000/- (Fifty Thousand) only as an earnest money in the form of Bank Draft duly pledged in favour of the undersigned along with the quotations.
20. Technical Bids will be opened on 18 / 08 / 2015 at 11.00 AM in the office chamber of the undersigned. Representatives of the firms competing in the tender may remain present at the time of opening of the technical bid.
21. The technical bids will be opened first and placed before the Technical Committee of the Police Headquarters, Bihar. If the technical bids are found satisfactory as per tender conditions, it will be put before Central Purchase Committee of the Police Headquarters, Bihar. The firms may be required to participate in the demonstrations of the quoted product and discussions with this committee.
22. Any paper/document will not be accepted after opening the tender.
23. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the order as security money in the form of Bank Guarantee duly pledged in favor of undersigned.
24. The firm will be required to provide satisfactory service after the delivery of the product.
25. The firm will be required to supply all the items within the stipulated time frame as mentioned in the purchase order.
26. Payment for the delivered items will be made only after the acceptance report of the Inspection Committee of the Police Headquarters, Bihar.
27. The firm whose quotation is approved by the Central Purchase Committee of the Police Headquarters, Bihar, shall be invited to enter into an agreement with the undersigned.
28. It is compulsory to submit the duly filled chart attached herewith, along with the technical bid.
29. Indexing of the requisite documents must be done and submitted along with the technical bid.
30. Hands on training of the equipment must be imparted to the user group by the firm.
31. Director General of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully without assigning any reason thereof.
32. The Quantity indicated may increase or decrease at the time of issuing purchase order.


 A I G of Police (Q)
 Bihar, Police.



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Technical Specification for Radio Communication Test Set

Sl. No	Parameter	Specified
RF Signal Generator		
1	Frequency Range	400kHz to 1.0 GHz
2	Resolution	1 Hz
3	Out Put level	-130 dBm to -30 dBm
4	Resolution	0.1 dB
5	Level Error	±2dB
6	Non Harmonics(>5KHZ from carrier)	≤ -35dBc for full Band
7	SSB Phase noise	≤ -75 dBc /Hz(20 kHz offset)
Amplitude Modulation		
1	Modulation frequency	100 Hz to 10 kHz
2	Amplitude modulation depth	0 to 90%
3	Resolution	1% of the setting
4	Modulation distortion with fine variation level 10dB	≤ 5%
5	Modulation error	≤ 5% of the setting
Frequency Modulation		
1	Modulation frequency	5 Hz to 20 kHz
2	Resolution	1% of the setting
3	FM deviation	DC to 75 kHz
4	Modulation error	≤ 5% of the setting
RF Volt meter		
1	Frequency Range	50 Hz to 20 kHz
2	Measurement range	1V, 10V, 70V
RF Power meter		
1	Frequency range	400 kHz to 1GHz
2	Minimum input Power	100 mW
3	Maximum input power without any external attenuator	150 Watt
RF Frequency Counter		
1	Frequency range	5 Hz to 100 kHz
2	Resolution	10Hz
Modulation Meter		
1	Modulations	AM, FM
2	RF Frequency range	1.5 to 1 GHz
3	Measurement range	0 to 75 kHz (FM) 0 to 100% (AM)
Distortion Meter		
1	Frequency range	1% to 20%
2	input level	0.1V rms
SINAD Meter		
1	Input level	100 mV to 30 V
2	Accuracy	±1dB @ 12dB SINAD
Receive Signal Strength Level Meter		
1	Frequency Range	400 kHz to 1 GHz
2	Accuracy	±2dB
3	Sensitivity	-120 dBm
Oscilloscope		
1	Band width	DC to 50 kHz
2	Range	±100VDC; ±70Vrms AC

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3 Markers		Delta Voltage, Delta Frequency, Delta Period
RF Spectrum Analyzer		
1	Frequency range	400 kHz to 1GHz
2	Frequency resolution	1 Hz
3	Resolution Bandwidth	Auto Selected
4	Markers	Delta, Absolute Level, frequency
5	Modes	Standard, Average, Freeze, Max Hold, Peak Hold
Audio Modulation Synthesizer		
1	Modulation types	1 kHz tone, Private Line, Digital Private Line (w/ DPL Invert), Single Tone, DTMF, Two-Tone Paging, 5/6 Tone Paging, POCSAG, External inputs from both a supplied micro-phone and BNC input.
2	External Microphone Input Amplitude Flatness:	11 Hz to 9.1 kHz ± 1.25 dB, 5 Hz to 20 kHz ± 2 dB
Automatic test routines		Radio communication Test Set stores all the manual settings and performs these measurements automatically by single touch key. There should be possibility of adding tolerances, comments and conditions.
IF Filters		6.25 kHz, 12.5 kHz, 25 kHz, 50 kHz, 100 kHz, 200 kHz
Essential Features		The equipment should have capability for following functions:- Harmonic measurements, Transit recorder- Frequency versus Time, Power Vs Time, Squelch, Duplex measurements.
General		
1	Interface	VGA, Ethernet, Key Loader, and additional USB ports
2	Operating temperature range	0 to 50 ^o C
3	Power DC	24 V
4	Battery Operation:	1Hr. minimum
5	Accessories	Required adopter and Test lead must be supplied.

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