

HEADQUARTERS TECHNICAL SERVICES J&K JAMMU

N.I.T 02 OF 2011

Dated :- 25/03/2011

For and on behalf of the Governor of Jammu and Kashmir State, sealed tenders in two cover system (Technical & Commercial) are invited from original manufacturers, approved, authorized dealers / suppliers and registered firms affixing revenue stamp worth Rs 5/, duly sealed with sealing wax and stamp of the tenderer, for the supply of Auxiliary/Allied Wireless Accessories as specified in Annexure "A" to this NIT.

2. The tenders should be properly sealed and addressed to IGP Technical Services J&K Jammu. The tender envelops should be superscribed "TENDER FOR NIT NO. 02 of 2011 for Auxiliary/Allied Wireless Accessories".

3. Tender form, Terms & Conditions and Specifications can be obtained on production of application form from the office of **Inspector General of Police Technical Services J&K, PHQ Gulshan Ground Jammu** on non refundable payment of **Rs. 2000**.

4. Tender offers alongwith Annexure (s) duly accepted by the tenderer should reach this office by or before **08 April, 2011 upto 1100 hours**. The sealed Tenders should be handed over personally at the above office and a receipt obtained or be sent per registered post. No telegraphic tender shall be accepted.

5. The tenders will be opened on **08 April, 2011 at 1600 hours** in the office of **IGP Technical Services J&K Jammu** in presence of intending tenderers who may choose to be present. In case of unforeseen circumstances the date of opening of tenders received will be next working day.

Contd. On Page - 2

6. Intending tenderers shall have to deposit earnest money of Rs. 15,000/- in the form of CDR pledged to **Inspector General of Police, Technical Services J&K, Jammu** without which tenders will not be considered. However, J&K Govt. rules with regard to furnishing of EMD in respect of Registered SSI units shall be applicable. The earnest money will be refunded to unsuccessful tenderers within one month of the final acceptance of the tender.

7. Tenders received after the prescribed time and date will not be accepted.


Inspector General of Police,
Technical Services J&K,
Jammu.
25.3.11

No:- IGP/TECH/Q/58/11/ 3138-42

Dated:- 25 /03/2011

Copy to the:-

1. Director General of Police J&K Jammu for favour of kind information.
2. Director information and publicity J&K Jammu for favour of information
3. Jt. Director information and publicity Srinagar / Jammu alongwith 05 spare copies of Tender for its Publication in at least 03 local reputed newspapers of Srinagar/Jammu and 01 National News Paper on payment basis for wide publicity.
4. General Manager Govt printing press for its publication in Govt Gazette.
- ✓ 5. I/C I.T Centre PHQ J&K for its wide publicity through Police website.
6. Notice Board.


Inspector General of Police,
Technical Services, J&K,
Jammu.
25/3

ANALOG MULTI METER

ELECTRICAL SPECIFICATION:

D.C VOLT RANGES	: 2.5 V, 12 V, 50V, 250 V, 1000V
SENSITIVITY	: 20000 Ohms/Volt
Rated Accuracy	: + 3 % dc On Full scale on all ranges
A.C Voltage	:
Ranges	: 10, 50, 250, 1000
Sensitivity	: 8000 Ohms /Volt
Indication	: Full wave average responding; Calibrated in RMS for Sinusoidal Wave forms
Rated accuracy	: within + 4% AC of full scale on all ranges
D.C Current	: 2.5, 25, 250 mA, 10 A 10 A on separate jack
Resistance	: RX1, 0-2000 Ohms (20 Ohm Centre) : RX 10 , 0-20,000 Ohms (200 Ohm centre) : Rx 1K , 0-2 MoHm (20 K Ohm centre) : Rx10 K , 0-20 M Ohm (200 K Ohm centre)
Accuracy	: + 3 % arc
General features:	
Front panel controls	: Range -Function switch, Ohms adjustment, Transistor check
Lead reversal	: Polarity reverse switch on D C and Ohms ranges
Operating position	: Horizontal or Vertical
Off position	: the instrument be provided with OFF position
Test leads	: the test lead should give added safety to the user.

MW pi
How Nana
Alhambra

DIGITAL MULTIMETER

General specifications:

Display : Digits LCD with reading of 3 1/2 digits
LCD display should be adjustable / panel angel selection type
Measurement rate : updates in 02 to 03 per seconds
Automatic negative polarity indication : the battery sign may display when the bty. voltage drops below the operating voltage

Full range overload protection :

Protection : fuse

Accessories:- Test leads (pair)

Electrical specifications

DC Voltage Ranges : 200 Milli Volta ,02 Volt,20 Volt,200 Volt,1000 Volt
Accuracy all ranges : 0.5 % + 3 % on all ranges with input Impedence 10 Mega ohms
DC Current Range : 20 Micro Amperes,200 Micro Amperes,2 Milli Ampers ,20 Milli Ampers ,200 mA,2 A,20 A
AC Voltage Ranges : 200 mV,2 V,20 V,200 V,750 V with input impedance of 10 M Ohms and Frequency range 40 – 400 Hz.
AC Current Rang : 20 micro amp.,200 Micro Amp,2 mA,20 mA,200 mA,2A,20 A, Measuring voltage drop should be 200 Milli Volt on above Freq.
Capacitance Range = 2 nF,20 nF,200 nF,2mF,20 mF,200 mF
Ohms Range : 20 Ohm, 200 Ohms, 2 K Ohm, 2 M Ohm, 20 M Ohm, 200 M Ohm
01 Slot for diode on buzzer check

General features

Data holding for easy reading
Single rotary switch for function and range selection,
Should allow fast and convenient operations
LCD display should be adjustable / panel angel selection type

du ↓

Ami Anna
BP

SMF BATTERY 12V (7Ah)

SPECIFICATIONS

- | | |
|-------------------------|-----------------------------------|
| 1. Ampere Hour Capacity | 7Ah |
| 2. Terminal Voltage | 12 V DC |
| 6. Container | Strong and Rugged |
| 7. Self discharge Rate | Very Very Low |
| 8. Terminal Voltage | 12V D.C with +ve & -ve indication |

Note:- Battery SMF 12Volt 7Ah must be made of reputed company.

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SPECIFICATIONS OF TELEPHONE APPARATUS

1. TEC / DOT Approved
2. Independent Access of exchange line
3. Auto music on hold
4. Pulse / Tone dialing (DTMF) selection
5. Last number redial
6. Flash / Pause

SPECIFICATIONS OF TELEPHONE PLAN 1+1

1. TEC / DOT Approved
2. Independent Access of exchange line
3. Auto music on hold
4. Intercom between 1 & 2
5. Call transfer from both apparatus
6. LED Indications for :-
 - i. Exchange line busy
 - ii. Incoming ring
 - iii. Intercom ring
 - iv. Pulse / Tone dialing (DTMF) selection
 - v. Last number redial
 - vi. Flash / Pause

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[Signature]

Telescopic Aerial Mast

Length of the Mast 30 Feet adjustable
comprising of 5 sections of 6 feet each.
Diameter of Base Tube 3 inches or more.
Diameter of remaining 4 sections should be
adjustable successively with the base Tube.
Base Tube should have 3 legs adjusted at 120
degrees angle for proper erection on ground.
All the Tubes and Legs of the mast should be
properly galvanized for protection against rust and
it should be made of heavy duty material to
withstand high winds velocity and weather
conditions.

Complete installation / erection material
comprising of :-

- i) Steel Guy wire (6 numbers of suitable length)
with guy locks
- ii) Base Plate
- iii) Hammer
- iv) Steel pegs
- v) Nails for Base Plate and Legs
- vi) Hooks fixed at appropriate points
- vii) Mounting Clamp for fixing aerial

MD ↓ *Manna*
How Amre


1KVA CVT

- | | | |
|-----|----------------------------|--|
| 1. | Input Voltage range | 120 Volts to 260 Volts |
| 2. | Output Voltage | 220 Volts AC \pm 1% |
| 3. | Frequency | 50 Hz |
| 4. | Winding Material | High grade copper |
| 5. | Type of Voltage correction | No wreckage in
OutputVoltage |
| 6. | Type of Cooling | Air Cooling |
| 7. | Insulation | Class A |
| 8. | Efficiency | 98% at full load |
| 9. | Type of Operation | Fully Automatic |
| 10. | Indication | Input on, output OK,
High Voltage cut off
& Low Voltage Cutoff |
| 12. | Capacity | 1000 VA |
| 13. | Isolation | Complete electrical
isolation between
input and out put ckts. |

mu  *Asana* 

2KVA CVT

Input Voltage range	120 Volts to 260 Volts
Output Voltage	220 Volts AC \pm 1%
Frequency	50 Hz
Winding Material	High grade copper
ontrol Circuit	Completely Solid state
Type of Voltage correction	No wreckage in Output Voltage
Type of Cooling	Air Cooling
Insulation	Class A
Efficiency	98% at full load
Type of Operation	Fully Automatic
Indication	Input on, output OK, High Voltage cut off & Low Voltage Cutoff
Capacity	2000 VA
Isolation	Complete electrical isolation between input and out put ckts.

MW  *Asma* *Asma*

3KVA CVT

Input Voltage range	120 Volts to 260 Volts
Output Voltage	220 Volts AC \pm 1%
Frequency	50 Hz
Winding Material	High grade copper
Type of Voltage correction	No wreckage in Output Voltage
Type of Cooling	Air Cooling
Insulation	Class A
Efficiency	98% at full load
Type of Operation	Fully Automatic
Indication	Input on, output OK, High Voltage cut off & Low Voltage Cutoff
Capacity	3000 VA
Isolation	Complete electrical isolation between input and out put ckts.

MU ↓ *Navna* *to Ramesh*

DOT MATRIX PRINTER 80 Column.

SPECIFICATIONS:-

Printing method	Impact dot matrix
	Pitch 10 12 15 17
Printing direction	Bidirectional for text printing Unidirectional for graphics and by software command for text
Character sizes	All except superscript subscript 3.1mm high.
Line spacing increments of	1/6 -inches, or programmable in 1/216 th of an inch
Paper	
Number of copies total thickness	One original plus two copies Not exceed 0.25mm
Paper feed method	Friction, Pull tractor, Roll paper Holder , Push tractor
<u>Mechanical</u>	
Ribbon	Cartridge, Black
Printer head life	200 million strokes per wire
Electrical	
Voltage	220Volt to 240volt AC
Power consumption	70 VA maximum
Frequency	49.5Hz to 60.5Hz
Insulation resistance	10 M Ohms between AC power line and chassis
Interface	parallel /RS 232 Serial

mu ↓ *Maria* *Am* *Amre*

DOT MATRIX PRINTER 136 Column.

SPECIFICATIONS :-

Printing method	Impact dot matrix
	Pitch Quality CPS
	15 Draft 250
	12 Draft 200
	10 Draft 166
	10 NLQ 25
	15 NLQ 38
Printing direction	Bidirectional for text printing Unidirectional for graphics and by soft ware command for text
Character sizes	All except superscript subscript 3.1mm high.
Line spacing	1/6 –inches, or programmable in increments of 1/216 th of an inch
<u>Paper</u>	
Number of copies not	One original plus two copies total thickness exceed 0.25mm
Paper feed method	Friction, Pull tractor, Roll paper holder ,Push tractor
<u>Mechanical</u>	
Ribbon	Cartridge, Black #8750
Printer head life	200 million strokes per wire
<u>Electrical</u>	
Voltage	220Volt to 240volt AC
Power consumption	70 VA maximum
Frequency	49.5Hz to 60.5Hz
Insulation resistance	10 M Ohms between AC power line and chassis
Interface	parallel /RS 232 Serial

HW ↓ Hand Signature

Transformer 1 KVA

SPECIFICATIONS:-

Input voltage	90 to 270 Volts AC
Output voltage	200 to 230 Volts AC Auto line / with auto cut at 230 Volts
Rating	1KVA
Voltage control	Rotatory Switch
Wire used winding	Copper wire for both primary /secondary
Core	Standard core
Voltmeter	(Digital) 0 to 300 Volts AC
Protection	i) Short circuit ii) Circuit breaker

Transformer 2 KVA

SPECIFICATIONS:-

Input voltage	90 to 270 Volts AC
Output voltage	200 to 230 Volts AC Auto line / with auto cut at 230 Volts
Rating	1KVA
Voltage control	Rotatory Switch
Wire used	Copper wire for both primary /secondary winding
Core	Standard core
Voltmeter	(Digital) 0 to 300 Volts AC
Protection	i) Short circuit ii) Circuit breaker

Handwritten signatures and initials:
mi, N, Anna, Anu, Dhruv

Transformer 3 KVA

SPECIFICATIONS:-

Input voltage	90 to 270 Volts AC
Output voltage	200 to 230 Volts AC Auto line / with auto cut at 230 Volts
Rating	1KVA
Voltage control	Rotatory Switch
Wire used	Copper wire for both primary /secondary winding
Core	Standard core
Voltmeter	(Digital) 0 to 300 Volts AC
Protection	i) Short circuit ii) Circuit breaker

mu *Arma*
↓ *for*
 Phuse

HELICAL ANTENNA FOR GP 338 (Motorola)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing GP 338 (Motorola) Set.

HELICAL ANTENNA FOR TK-280 (Kenwood)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing TK-280 (Kenwood) Set.

HELICAL ANTENNA FOR IC-F3 (ICOM)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing IC-F3 (ICOM) Se

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HELICAL ANTENNA FOR GP 2100 (Motorola)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing **GP 2100 (Motorola)** Set.

HELICAL ANTENNA FOR GP 2000 (Motorola)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing **GP 2000 (Motorola)** Set.

HELICAL ANTENNA FOR GP 900 (Motorola)

1. Frequency Band 66-88 MHZ
2. It must be compatible with the existing **GP 900 (Motorola)** Set.

HELICAL ANTENNA FOR GP 300 (Motorola)

1. Frequency Band 136-174 MHZ
2. It must be compatible with the existing **GP 300 (Motorola)** Set.

MD ↓ *Harrod*
for [Signature]

Battery Charger for GP-2100 (Motorola) Hand /Held Set.

- 1. **Input Voltage** 150 - 250 Volts AC
- 2. **Current** 500 mA

Features:

- I) Regulator Circuit
- II) Normal Charging
- III) Rapid Charging
- IV) Mains Indicator
- V) Charging Indicator (FOR
RAPID AS WELLAS FOR
NORMAL CHARGING.)
- VI) Full Battery charge
Indicator
- VII) Fully Compatible with
GP-2000 (Motorola) BATTERIES.

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Battery Charger for GP-900 (Motorola) Hand /Held Set.

1. **Input Voltage** 150 - 250 Volts AC
2. **Current** 500 mA

Features:

- I) Regulator Circuit
- II) Normal Charging
- III) Rapid Charging
- IV) Mains Indicator
- V) Charging Indicator
(FOR RAPID AS WEL AS FOR
NORMALCHARGING.)
- VI) Bty FULL CHARGED Indicator
- VII) Fully Compatible with
GP-900 (Motorola) BATTERIES

Battery Charger for GP-338 (Motorola) Hand /Held Set.

1. **Input Voltage** 150 - 250 Volts AC
2. **Current** 500 mA

Features:

- I) Regulator Circuit
- II) Normal Charging
- III) Rapid Charging
- IV) Mains Indicator
- V) Charging Indicator (FOR RAPID

AS WELL

- as well AS FOR NORMAL CHARGING.)
- VI) Bty FULL CHARGED Indicator
- VII) Fully Compatible with
GP-338 (Motorola) BATTERIES

Mid  *Hand* 

BATTERY CHARGER 12VOLTS 10AMPS

Input voltage: 150 to 240 Volts AC 50HZ
Output voltage: 12 Volts to 15.6 Volts DC

Charging current: Up to 10 Amps adjustable

Front panel fitted with:

0 to 20 Volts DC voltmeter

0 to 15Amps Amps meter

On/off toggle Switch

AC /DC fuse

LED's (Line voltage and reverse polarity indicators)

DC Output terminal indicating red for positive and black for negative fitted with battery terminal lead.

Protection:

- 1.Reverse polarity Protection
- 2.over Voltage protection
- 3 Automatic circuit breaker

MD ↓ Arma
Arma

Battery Charger for GP-300 (Motorola) Hand /Held Set.

- | | |
|------------------|--------------------|
| 1. Input Voltage | 150 - 250 Volts AC |
| 2. Current | 500 mA |

Features:

- I) Regulator Circuit
- II) Normal Charging
- III) Rapid Charging
- IV) Mains Indicator
- V) Charging Indicator (FOR RAPID AS WE AS FOR NORMAL CHARGING.)
- VI) Bty FULL CHARGED Indicator
- VII) Fully Compatible with GP-300 (Motorola) BATTERIES

MAINS BATTERY CHARGER 36 Volts 20 Amps.

Input voltage: 150 to 240 Volts AC 50HZ

Output voltage: 12V to 36V DC (In steps 12V, 18 V, 24V, 30V & 36V)

**Charging current: 0 Amps to 20 Amps with
Coarse/fine control**

Front panel fitted with:

- 0 to 50Volts DC meter
- 0 to 20Amps DC Amps meter
- On/off toggle Switch
- AC /DC fuse
- LED's (Line voltage and reverse polarity indicators)
- Current controls switch with knob indicating steps.
- Voltage control switch with knob
Indicating Steps 12V, 18V, 24V, 30 V & 36V

DC Output terminal indicating **red positive** and **black for negative** fitted with battery terminal lead.

Automatic circuit breaker.

Protection:

- 1. Reverse polarity Protection
- 2. over Voltage protection

W *✓* *Mona* *Blues*

GENSET TOOLS KIT

1. Ring end Spanner set (No. 4 to No.20)
2. Open end Spanner Set (No. 4 to No.20)
3. Box end Spanner Set (No. 4 to No.20)
4. L N Keys Set (1 mm to 8mm)
5. Hammer 2 Lbs.
6. Screw Driver Star type (8", 10", 12")
7. Screw Driver Flat bit (8", 10", 12")
8. Screw wrench adjustable (10", 12")
9. Combination Plier Insulated 10"
10. Side Cutter
11. Flat File with handle (6",8",10")
12. Flat Half round with handle (6", 8", 10")
13. Oil Can .75 Ltr.s capacity (Thumb compression)
14. Bench Vice Medium size
15. Electric Hand Drills machine (WOLF)
16. Air Blower (Wolf)
17. Electric Grinders

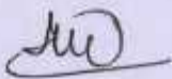




RM TOOL KIT

A: Tool kit must be portable type (briefcase based) comprising of the following items of branded / reputed firm.

- i) Screw driver set All types of screw driver bits for latest generation equipment.
- ii) Soldering iron
 - a. 25 Watts (Soldron) 230 Volts AC
 - b. 25 Watts DC 12 Volts
- iii) Digital multi meter must measure
 - a) AC from 1mv to 1000 V
 - b) DC from 1mV to 1000 V
 - c) Resistance up to 40 M Ω
 - d) Current 1mA to 10 A
 - e) Capacitance from 40 nF to 400 uF
- iv) Long nose Plier
- v) Medium nose Plier
- vi) Plier(standard size)
- vii) Sleeve cutter
- viii) Wire Stripper and cutter
- ix) Micro cutter
- x) Tweezers (S M D) set
- xi) Tweezers Insulated
- xii) Spanner set
- xiii) Solder extractor
- xiv) Utility cutter
- xv) Desoldering pump
- xvi) Flat /Round file
- xvii) PCB Brush cleaner
- xviii) Magnifying glass (4 inches diameter)
- xix) Tuning aligner set
- xx) Hacksaw with Blade
- xxi) Hammer 1 Lb
- xxii) Steel Measuring tape (foldable)
- xxiii) L N key set
- xxiv) Adjustable Spanner
- xxv) Compass



Voltage Stabilizer 1 KVA

Input:	135 to 290 Volts AC
Output voltage:	220 Volts AC $\pm 10\%$
Rating:	1 KVA
Voltage Control :	Relay controlled
Wire used:	Copper wire
Core:	Standard core
Volt mete:	0 to 300 volts AC
Protection:	i) Short circuit ii) Overload iii) Low/ High voltage protection

Keyboard

SAILENT FEATURE

107 +21 Multimedia and internet hot keys
PS2/USB connection.
Compatible with windows 95/98/NT/2000/me/XP



Specification of 20 pair PVC Cable

The 20 pair PVC must be of stranded quality.

Specification of 10 pair PVC Cable

The 10 pair PVC must be of stranded quality .

Specification of 05 pair PVC Cable

The 20 pair PVC must be of stranded quality.

Specification of 02 pair PVC Cable

The 02 pair PVC must be of stranded quality.

me

SP