



**POLICE DEPARTMENT**  
GOVERNMENT OF PUDUCHERRY

No. 39/ SP (Wireless)/2020

O/o the SP (Wireless)  
Puducherry

27.04.2020

**GENERAL AWARENESS ADVISORY CUM INSTRUCTIONS**

**Sub: General Awareness - Communication: Part - I / AS-IS**

**Ref: Wireless Network of Puducherry Police**

As directed by DGP, it is felt more sensitive to sensitize the staffs of Police Wireless Puducherry on the existing and the latest updates to boost up the knowledge on professional and technical aspects of our Unit.

DGP has sensitized me to briefs all staffs on the minutes of **DG'sP / IG'sP conference 2019** and the latest resolutions adopted by DCPW, MHA releasing "**National Communication Standards**", Inauguration of upgraded version of **POLNET 2.0** with latest available technology during 2020, as **parallel Satellite based Internet connectivity** dedicated to Government to be utilized by Defense Forces, Disaster and Public relief management with extension to **CCTNS** wherever broadband internet by ISP is not available or feasible.

As observed for the past 1½ years, it is felt that the awareness level of the staffs on the **AS-IS** available in Puducherry Police.

**1. VHF -**

- A. VHF is the backbone mass communication media for between Beat Officers / Police Stations / ERSS @ CCR / Disaster management Control Room / Senior Officers / Special Branch / Sigma Security & Special Branch in the maintenance of Law & Order and PPDR (Public Protection and Disaster management).**
- B. It is the Voice communication System using Static Sets (Fixed) in Buildings and Vehicles while Walkie talkies (Hand Held). It is Repeater based for connectivity network supporting Walkie talkie which can access maximum 4 Kms while Static supports 30 Kms to repeat & boost the "Signal Readability and Strength" for localized mass communication.**
- C. It is monitored and assisted from CCR. Strength of the VHF Signal and its Readability are closely monitored and reported to Wireless workshop. Delocalized channels are monitored at Karaikal, Mahe & Yanam.**
  - 1. We have 5 pairs of licensed frequencies**
  - 2. Channels were configured suiting the requirement.**
  - 3. Users were grouped in to channels for free Traffic in communication**
  - 4. Channel 1 dedicated to East / North Region**
  - 5. Channel 2 dedicated to West / South Regions while**
  - 6. Channel 4 for Traffic.**
  - 7. De-localized Channel 1 - Karaikal**
  - 8. De-localized Channel 5 - Mahe**
  - 9. De-localized Channel 3 - Yanam**



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2. **HF:** Antenna based direct **Long distance "1 to 1" Short Message** communication network system adoptable for both **Voice & data**. **2 licensed** frequencies (Low Band / High Band) connecting out-laying regions (Puducherry, Karaikal, Mahe and Yanam). Average or below average connectivity reliably available between 0530 to 0730 both **AM & PM** and not otherwise due to **Ionosphere air ambient**. It is the contingency communication system between Control Rooms at all the four enclaves of Puducherry UT.

3. **CIPHER:** Secret and High Secret "Decoding" model communication. Traffic reported to be NIL due to domination of **user friendly** newly developed digital cum commercial communications Gadgets such as email, mobile phone and its application-based communication with faster, secured, encrypted, reliable global communication.

### **4. Proposed:**

#### **Digitalization of Police Wireless (VHF)**

- **VHF + IP Network: Wide Area Network (WAN)** using DMR Technology to be adopted.
- This LAN hybrid with IP constitutes WAN bridging our **3 outlying** regions of **Karaikal / Mahe & Yanam**.
- In this we had successfully connected Puducherry & Karaikal with the assistance of IT Department **PSWAN Network**.

### **5. Text / Data / Voice Communication System - MMP of GoI:**

A. **PSWAN - ISP Based:** It is the **Mission Mode Project (MMP)** by **MoIT, Government of India (GoI)**. **Internet Service Provider (ISP)** based dedicated **LAN & WAN networking** to connect all the computers in government offices covering all States / UTs in India under one roof establishing **Commune / Municipality based Point of Presence (PoP)** maintained by **IT & NIC** as Mission Mode Project of **GOI**. This provides restricted internet utility to all stake holding government Departments / Offices. **CCTNS** is connected to Internet only through this.

B. **POLNET- Satellite Based:** It is the **Mission Mode Project (MMP)** of **Government of India (GoI)** like **PSWAN**. **POLNET** is the **dedicated SATELLITE based networking**. It is just as "**Office Automation**" - Connecting all **Police Control Rooms / DM** facilitated with

- **VSAT Phone**
- **VSAT Mail**
- **VSAT Video Conference**

1. It connects all **Police Central Control Rooms** of State / UT Head quarters, District HQ towards **Disaster Relief Management**.

2. **MHA** has extended this to connect all **DG'sP / IG'sP** with **MHA** under one roof.

### **6. Ground Level:**

- **Mobile Phone:** Every citizen including Police are using **Mobile phone** based "**Test / Voice / Data**" Communication as part of routine life with global coverage on their hands.



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- **Applications based:** Various communication applications such as **Email, Whatsapp, Skype, Twitter, Facebook Messenger** and etc. were now in common with public utility Communication as part of routine life with global coverage on their hands.

These communications are much **faster & Instant, highly reliable, secured,** with one to one **encryption** as like Cipher Communication and instant.

7. **Work specification** required practically to execute the above works
8. **Professional / Technical qualification** required and its periodical trainings.
9. **Human Resource - Status of Man power** required to fulfill / cater the requirements.
10. **Structure** available at Tamilnadu Wireless, etc needs to be **de-briefed**.
11. Out of the above, **Puducherry Police** mainly utilizing
  - **VHF** - Local Mass media communication to reach **filed level instructions** on Real Time.
  - **Whatsapp and Email** to reach Karaikal / Mahe / Yanam on Real Time.

Inspector CCR and Wireless are instructed to brief all staffs working under their control and to get **feedback to update / correct wrong information** if any on the above for proper **cross checking and updating the information**. Instructed to report compliances and to maintain dedicated file with acknowledgement received from all staffs as part of learnt the above awareness. Added to it, please mark the copy of the compliance report to SSP (C&I), reader to IGP & Secretary to DGP.

**Dr. Bascarane**  
**Inspector of Police**  
**CDC-SP (Wireless) cum CGO to Lt.G**  
**Inspector of Police**

**To:** All staffs of CCR / Wireless & Notice Board

**Copy for information to:** Secretary to DGP / Reader of IGP / SSP (C&I)