संख्या/ No A.13019/1(C.O.E)/2025-AD.II

भारत सरकार/Government of India

गृह मंत्रालय/Ministry of Home Affairs

समन्वय निदेशालय पुलिस बेतार

Directorate of Coordination Police Wireless

खण्डसं 9, के.स.का. परिसर/ Block No.9, C.G.O. Complex,

लोधीरोड, नई दिल्ली-3/ Lodhi Road, New Delhi-3

दिनांक/ Dated :24ᵗʰJuly, 2025

कार्यालय आदेश/ OFFICE ORDER

Subject : Constitution of Teams under the Centre of Excellence in DCPW

A Centre of Excellence (CoE) is established in this Directorate to serve as a hub of knowledge, innovation, and capacity building in critical areas pertaining to police telecommunication and disaster management.

2.　In this regard, 09 (Nine) teams are constituted in the following areas. Each team shall be headed by a Captain (officer of Deputy Director level), who shall be assisted by a Vice-Captain. Both the Captain and Vice-Captain shall be jointly responsible for the deliverables, outputs, and overall coordination of their respective teams. The details of team-wise composition, including names and designations of the Captain, Vice-Captain, and other nominated officers/officials and their respective objective & modus operandi, are as below:-

S. No.	Teams	Team Composition/ Objective/ Modus Operandi
1.	BB-PPDR	Annexure-1
2.	POLNET	Annexure-2
3.	Procurement and Cabinet Note	Annexure-3
4.	HF/VHF/UHF	Annexure-4
5.	ITU-R	Annexure-5
6.	ITU-ETC/DM/AI/IoT	Annexure-6
7.	Cipher	Annexure-7
8.	Disaster Management	Annexure-8
9.	Land & Building Modernization	Annexure-9

3.　All concerned officers/officials shall extend full cooperation and participate actively in their respective team to ensure the success of the Centre of Excellence.

4.　This issues with the approval of the Competent Authority.
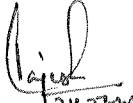
5.　Hindi Version will follow.

(R.K Singh)
Deputy Director (Admin.)

Copy to:-

1. PS to Director
2. PA to Addl. Director (HQ)/ PA to Addl. Director (Ops)
3. All JDs & DDs
4. AD(IT): with request to upload on DCPW Website
5. All concerned officers
6. DDO/PAO, DCPW
7. Hindi Section:- For Hindi Version
8. File

(R.K Singh)
Deputy Director (Admin.)

1. BB-PPDR Team

Captain - Sh. Hemant Kumar, Deputy Director (CDN & PPDR)

Vice-Captain - Sh. Ankit Adjariya, Assistant Director (CDN)

S. No.	Name of officer/official (S/Shri)	Designation
1.	Kamal Singh	Joint Assistant Director (PPDR)
2.	Kunal Pal	Communication Officer (PPDR)
3.	Vivek Kushwaha	Assistant Communication officer CDN(PPDR)
4.	Aakanksha Rawat	Assistant Communication officer (CC)
5.	Tikender Singh Adhikari	Assistant Communication officer (IT)
6.	Saranya S.	Assistant Communication officer [JD(Admn.) Personal section]
7.	Koushik Ray, ACO	Assistant Communication officer (ISPW Kolkata)

Objective: Implementation of Pilot Project and subsequently roll out of Pan-India BB-PPDR Network for all PPDR agencies.

Modus Operandi

1. **Knowledge Sharing & Self-Study**

   o All relevant technical literature and documentation available with DCPW will be provided to team members.
   o Team members are encouraged to independently study international sites, case studies, and OEM (Original Equipment Manufacturer) resources.
   o A list of key organizations and reference sites will be shared, and members can suggest additional study cases for group learning.

2. **Collaborative Learning & Case Study Analysis**

   o Regular internal discussions will be held for members to share insights from their studies and propose relevant international case studies for deeper analysis and to finalize the key learning points.

3. **Stakeholder Engagement**

   o Meetings with Telecom Service Providers (TSPs), OEMs, and international organizations will be organized at HQ, with participation enabled via video conferencing. Subject matter experts may also be invited for knowledge-sharing sessions.
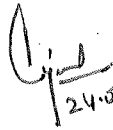
4.   **Field Visits & Practical Exposure**

   o   Team members will be facilitated to visit OEM sites and observe Proof of Concept (POC) or Pilot deployments in various cities.
   o   The officer posted at the nearest ISPW Station will coordinate and lead these visits during POC/Pilot phases.

5.   **Methodology Evolution**

   o   The team's working methodology will be dynamic and may evolve based on feedback, new challenges, and technological advancements.
   o   Team members will collectively decide on further evolution and improvements in their approach.

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2. Polnet 2.0 Team

Captain - Sh. H. S. Srihari, Deputy Director (Polnet)

Vice- Captain - Sh. Vishva Tyagi, Joint Assistant Director (Polnet Hub)

S. No.	Name of officer/official (S/Shri)	Designation
1.	T. B. Chhetry	Joint Assistant Director, Aizawal
2.	Abhayam Verma Arya	Joint Assistant Director(Trg.)
3.	Suranjan Roy	Communication Officer (RPWTI Kolkata)
4.	Lengkrao Daimary	Communication Officer (ISPW Itanagar)
5.	Sanjiv Kumar Agarwal	Communication Officer (RPWTI Chandigarh)
6.	Raj Chandra	Assistant Communication officer (Polnet Hub)
7.	Prashant Kumar	Assistant Communication officer (Polnet Hub)
8.	Onkar Nath Rai	Assistant Communication officer (Polnet planning)
9.	Vikash Kumar Meena	Assistant Communication officer (Polnet planning)
10.	Deepak kumar Saini	Assistant Communication officer (Polnet Hub)

Objective: Leveraging Satellite based Communications for effective Policing and Disaster Management.

Modus Operandi

1.   **Leveraging Satellite Communication Opportunities**

   o   Team members will gain hands-on experience with advanced satellite communication technologies, including the deployment and operation of VSATs and flyaway terminals for data, voice, and video connectivity across the country — even in remote or disaster-affected areas.
   o   Exposure to the latest developments in satellite-based IP networks including High Throughput (HTS) Satellites, Low Earth Orbit Satellites, multimedia facilities, and robust C-band operations will be prioritized.
   o   Expansion of Network to include Ku, Ka Band Terminals for having multifarious options in order minimize risks due to disruption and ensure redundancy.

2.   **Collaboration with Relevant Agencies**

   o   The team will actively collaborate with national agencies such as DCPW, ISRO, NDMA/SDMAs and CAPFs/CPOs, as well as international organizations, OEMs, and technical experts for knowledge sharing and operational synergy.
   o   Participation in conferences, workshops, and joint exercises with PPDR agencies, telecom service providers, and OEMs will be encouraged to broaden expertise and foster inter-agency coordination

3. **Evolution of Captive Secure Network for Emergency Communication and Coordination**

- Explore options for securing the Network using specialized Govt. Agencies Encryptors.
- Enhancing Security Measures in the Network in line with NCIIPC & VSAT License requirements.
- Practical demonstrations and pilot projects will be organized to test integration scenarios of 4G Network in a Box (NIB), VHF, UHF, EPABX etc. with POLNET.
- Explore options for induction of Vehicle mounted VSATs, ESA Antennas, Flyaway Terminals for enhancing Emergency Communication facilities for field personnel during L&O Situations, Disasters.
- Explore alternate means of interconnection of Critical POLNET Terminals with secure non-satellite connectivity.
- Explore integrating all Control Rooms for effective Communication and Coordination among stakeholders during Disasters.
- Mapping of details of locations of POLNET 2.0 Static and Flyaway Terminals on GIS Platform with restricted access to key personnel and its integration into National Database for Emergency Management (NDEM)/ Integrated Control Room for Emergency Response (ICR-ER) for quick deployment of these terminals for emergency communication during disasters.

4. **Integration with PPDR Systems**

- The integration of POLNET 2.0 with Broadband Public Protection and Disaster Relief (BB-PPDR) systems will be a key focus, ensuring seamless communication and interoperability during law and order situations and disasters
- The team will contribute to the development and implementation of national communication standards and protocols for unified operations.

5. **Capacity Building and Field Exposure**

- Members will be facilitated to visit OEM sites, participate in pilot projects, and observe POC deployments in various cities, led by officers at the nearest ISPW stations.
- Regular training and up-skilling sessions will be organized to keep the team updated on evolving satellite and communication technologies.
- The team will collaborate with Police Training Institutes, NIDM, NDMA, RRU, SVPNPA, CTIs/STIs etc. For conducting sessions and demonstrations of use of Satcom for Policing & Disaster Management.

6. **Needs Assessment and Planning**

- Hold Regular Stakeholder Consultations for addressing issues in existing network and Planning for future requirements.
- The team will collaborate with field deployments to conduct thorough needs assessment of technical & operational aspects of user requirements and develop use cases for various field scenarios.

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3. Procurement & Cabinet Note Team

Captain - Sh. Ashim Sen, Deputy Director (Central Zone, Bhopal & Trg.)

Vice Captain - Sh. Vivek Kumar Gupta, Assistant Director (Workshop)

S. No.	Name of officer/official (S/Shri)	Designation
1.	Piyush Kumar Rai	Assistant Director(MM)
2.	Nagendra Azad	Communication Officer(MM)
3.	Komal	Assistant Communication officer(MM)
4.	Aakash Kumar	Assistant Communication officer(MM)

Objectives:

a) To procure the stores and services of requisite quality and in required quantity necessary for performance of duties with adherence to instant GFR and manual of procurement guidelines and to ensure transparency with equitable approach in the procurement process.

b) To develop competency in drafting of Cabinet Note with due adherence to procedure in vogue.

Modus Operandi

1. **Skill Development:**

   o Focus on developing skills of team members, recognizing that proficiency in drafting procurement and cabinet notes provides a significant administrative advantage.

2. **Resource Sharing:**

   o Relevant guidelines, templates, and best practices for procurement and cabinet note preparation will be shared with all team members.

3. **Training & Courses:**

   o Team members will be encouraged to enroll in specialized courses offered by premier Government of India institutes to enhance their drafting and procedural knowledge.

4. **Collaborative Drafting:**

   o Regular team sessions will be held to collaboratively review and refine drafts, share feedback, and discuss recent case studies or challenges.

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5. **Compliance and Best Practices**

   o   All procurement activities will strictly adhere to the latest Government of India procurement manuals, General Financial Rules (GFR).
   o   Regular updates and training will be conducted to ensure the team is familiar with revised procurement procedures, including new forms of bidding, performance securities, and vendor management.

6. **Needs Assessment and Planning**

   o   Needs assessment in consultation with technical, operational, and user teams to define clear specifications and requirements for goods and services.
   o   Prepare annual and project-based procurement plans aligned with the strategic roadmap for projects like BB-PPDR, DR Hub, etc. and DCPW mandates.

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4. HF/VHF/UHF Team

Captain - Sh. K. Saha, Deputy Director (Communication)

Co- Captain- Sh. L.S. Yadav, Deputy Director (Polnet Hub)

S. No.	Name of officer/official (S/Shri)	Designation
1.	Vivek Kumar Gupta	Assistant Director(Workshop)
2.	Rakesh Kumar	Assistant Director(Stores)
3.	Arun Kumar Yadav	Communication Officer (Maintenance section)
4.	Sudesh Kumar	Communication Officer (Admin), DCPW Hqrs
5.	Vivek Kumar	Assistant Communication Officer(Workshop)
6.	Jitendra Kumar	Assistant Communication Officer(CC)
7.	Rajesh Parihar	Assistant Communication officer(CC)
8.	Deepak Kumar Awasthi	Assistant Communication Officer(Workshop)
9.	Sunny Rajain	Assistant Communication Officer (Training)

Objective: To develop, maintain, and operate reliable HF/VHF/UHF radio communication systems that provide critical support for operational, emergency, and disaster response needs & to explore possibilities of integrating HF/VHF/UHF systems with PPDR, especially in anticipation of PPDR operations.

Modus Operandi

1. Roles

o Overall coordination, strategy, and liaison with all ISPW Stations for proper Radio Set Up, Frequency Planning as per the suitability of Signal strength of a particular Station.
o Conduct training for installation & operations, simulations for Communication Staff for the working on Voice, Data and CW mode and to bring awareness among all users for ensuring regulatory compliance

2. Scope of Work:

o **Deployment Readiness:** 24/7 operational readiness for emergency communication and to maintain mobile kits for quick deployment during emergencies.
o **Drills & Exercises:** Conduct regular mock drills to test readiness and coverage.
o **Cross-band Capability:** Enable communication between HF and VHF networks if needed.

3. Resource Sharing:

o All relevant technical literature and integration guidelines will be provided to team members. Officers are encouraged to research further using international sources and OEM documentation.

4. **Integration Study:**

    o   Global trends are taking shape to have PPDR network in 400 MHz band. The team
        would further explore and study the technology and ecosystem exists in the particular
        band and their integration with HF/VHF/UHF.

5. **Collaborative Analysis:**

    o   Regular meetings will be held with team members to discuss integration strategies,
        share findings, and review international case studies on multi-band interoperability.

6. **Stakeholder Engagement:**

    o   Coordination with OEMs and technical experts will be facilitated through meetings at
        HQ and via video conferencing.

7. **Field Evaluation:**

    o   Practical demonstrations and pilot projects will be organized to test integration
        scenarios, led by officers at the nearest relevant ISPW stations.

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5.   ITU-R Team

Captain - Sh. Vinay Barthwal, Deputy Director (Cipher)

Vice-Captain - Sh. Ankit Adjariya, Assistant Director (BB-PPDR)

S. No.	Name of officer/official (S/Shri)	Designation
1.	Vivek Kushwaha	Assistant Communication officer CDN(PPDR)
2.	Niharika	Assistant Communication officer CDN(PPDR)
3.	Nisha Jourwal	Assistant Communication officer (CDN)

Objectives: To study, identify Public Safety requirements in terms of communication *per se* and corresponding solutions and frequency band and project the same in different Study Groups by publishing and presenting the papers in ITU.

Modus Operandi

1.   **Resource Access:**

   o   Team members will utilize the ITU website to access study group materials, technical documents, and the latest research.

2.   **Study Group Participation:**

   o   Members may join one or more ITU-R study groups based on their interests and expertise.
   o   The Team Lead will coordinate and ensure all relevant study group materials are distributed and reviewed.

3.   **Research & Publication:**

   o   Members are encouraged to conduct in-depth studies and publish research papers on relevant topics.
   o   Individuals who publish papers will have the opportunity to present their work at ITU meetings in Geneva.

4.   **Collaboration & Knowledge Sharing:**

   o   Regular team meetings will be held to discuss study group findings, share insights, and collaborate on research topics.
   o   Joint research and co-authored papers are encouraged to foster teamwork.

5.   **Professional Development:**

   o Members are encouraged to work on cutting-edge technologies discussed within ITU-R, enhancing their expertise and international exposure.

   o Outstanding contributors may have the opportunity to participate in ITU events and represent the team internationally.

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6. ITU-ETC/ DM/AI/IoT Team

Captain- Sh. R.K. Singh, Deputy Director (Admin & Stores)

Vice-Captain- Sh. Prabhat Pandey, Joint Assistant Director(Director Personal section)

S. No.	Name of officer/official (S/Shri)	Designation
1.	Balaram	Assistant Communication officer (Director Personal section)
2.	Rishi Tyagi	Assistant Communication officer (Admn.)
3.	Vishwa Bharti	Assistant Communication officer (Admin)
4.	Monika, ACO	Assistant Communication officer (Director Personal section)

Objectives: To refer various ITU standards, online resources related to international best practices and to draft technical papers on requirements of ETC, DM, AI and IoT for use in Public Safety, and subsequently to present the same in ITU.

Modus operandi

1. **Resource Access & Study Groups:**

   o Team members will regularly visit the ITU website to access the latest study group materials, standards, and technical reports relevant to ETC, DM, AI, and IoT.
   o Members may join one or more ITU-T or ITU-D study groups aligned with their expertise and interest areas.

2. **Team Coordination & Leadership:**

   o The Team Lead will coordinate the distribution of relevant study group documents and ensure active participation of team members in group discussions and meetings.
   o Team Lead will also facilitate the identification of key topics and emerging trends for deeper study and to finalize the key learning points.

3. **Research & Publication:**

   o Members are encouraged to conduct research and draft technical papers or case studies on ETC, DM, AI, or IoT, referencing ITU standards and international best practices.
   o Individuals or sub-groups publishing papers will have opportunities to present their work at ITU forums, workshops, or conferences, including events in Geneva.

4. **Collaboration & Knowledge Sharing:**

   o Regular internal meetings will be held to share insights, discuss study group findings, and collaborate on research or standardization proposals.

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7. Cipher/ Encryption/ Quantum Cryptography Team

Captain- Vinay Barthwal, Deputy Director (Cipher)

Vice-Captain- K. Elamurugan, Assistant Director (South Zone)

S. No.	Name of officer/official (S/Shri)	Designation
1.	D S Paunikar	Assistant Director(Cipher)
2.	Dilip Kumar	Assistant Communication Officer (Cipher)
3.	Dinesh	Assistant Communication Officer (Cipher)
4.	Vinesh Kumar	Assistant Communication Officer (Cipher)
5.	Subodh Kumar Singh	Assistant Communication Officer (Cipher)
6.	Abhinav Kumar	Assistant Communication Officer (Cipher)
7.	Abhishek Srivastava	Assistant Communication Officer (Cipher)
8.	Arjun Sharma	Assistant Communication Officer (Cipher) ISPW Agartala
9.	Ankit Srivastava	Assistant Communication Officer (Cipher)DCPW Hqrs
10.	Dinesh	Assistant Communication Officer (Cipher)DCPW Hqrs

Objectives: To study and explore the latest State of Art development in the field of Cryptography as well as to explore and suggest the replacement of obsolete technologies in terms of Key distribution / Obsolete equipment and transition from Manual to Automated system. In Parallel capacity building of cipher staff with Conduction of training in collaboration with other CAPFs / Cipher users.

Modus operandi

1. Specialized Training:

   o Team members will undergo advanced training at DRDO, DEAL, and BEL to build expertise in cipher, encryption, and quantum cryptography technologies.

2. Strict Secrecy Protocols

   o Absolute secrecy must be maintained at all times.
   o No secret, restricted, or confidential information is to be shared on any social media or messaging platforms.

3. Controlled Collaboration

   o Collaboration via WhatsApp or similar platforms is permitted **only for sharing metadata** (e.g., meeting schedules, general updates).
   o All technical, sensitive, or classified discussions must occur through secure, approved channels.

4. **Integration with Communication Systems**

  o The team will focus on the role and integration of encryption technologies within POLNET and PPDR systems, ensuring robust security for critical communications.

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8.   Disaster Management Team

Captain- Sh. Ashim Sen, Deputy Director (Central Zone, Bhopal & Trg.)

Vice-Captain- Sunil Kumar, Assistant Director (L&B)

S.No	Name of officer/official (S/Shri)	Designation
1.	Satyartha Sharma	Joint Assistant Director (ISPW Bhopal)
2.	Vivek	Assistant Communication Officer (L&B)
3.	Varun Ginotra	Assistant Communication Officer (L&B)
4.	Durgesh Kumar Mishra	Assistant Communication Officer (ISPW Bhopal)

Objectives: To learn and familiarise with the latest technological developments in the field of communication in disaster management and best practices being followed across the world with an aim to establish a resilient and robust disaster communication network that plays a crucial role in carrying knowledge-based information at the right time to the right people for holistically handling disaster management.

Modus Operandi:

1.   **Specialized Training:**
   o   Team members will participate in regular training programs and workshops in collaboration with NDMA (National Disaster Management Authority) and NIDM (National Institute of Disaster Management).
   o   Training will focus on disaster response protocols, emergency communication, and the latest technologies.

2.   **Emergency Telecommunication System Design**
   o   The team will be responsible for designing and periodically updating robust emergency telecommunication systems.
   o   Integration with Satellite Communication, BB-PPDR and HF/VHF Communication will be prioritized to ensure redundancy and reliability during disasters.
   o   devise methods to provide seamless internet connectivity for the monitoring and coordination during disaster with the use of advanced satellite communication technologies, drone technologies & effective means of providing integrated data transfer.

3.   **Collaboration & Knowledge Sharing:**
   o   The team will maintain active collaboration with national and international agencies, including opportunities to engage with UNDRR (United Nations Office for Disaster Risk Reduction) and WMO (World Meteorological Organization).
   o   Sharing of best practices and lessons learned will be encouraged through internal meetings and external workshops.

4. **Open Opportunities & Professional Growth:**

   o Team members will be encouraged to take up assignments, attend conferences, and participate in exchange programs with UNDRR, WMO, and other relevant organizations for global exposure and capacity building.

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9. Land and Building Modernization Team

Captain - Sh. Ram Prasad, Deputy Director (L&B)

Co-Captain : Sh. Sunil Kumar, Assistant Director (L&B)

S. No	Name of officer/official (S/Shri)	Designation
1.	Vivek	Assistant Communication Officer (L&B)
2.	Varun Ginotra	Assistant Communication Officer (L&B)
3.	Prashant Bindal	Assistant Communication officer (L& B)

Objective: To enhance the operational capacity and readiness of DCPW through systematic assessment, up keeping and expansion of infrastructure; ensuring strategic planning, efficient acquisition, and effective execution of construction/ renovation of land & building projects in alignment with future mandates and institutional goals.

Modus Operandi:

1. **Assessment & Up-gradation of Existing Infrastructure:**

   o Prepare and implement phased wise renovation and modernization plans, ensuring compliance with the latest safety, sustainability, and technology benchmarks.

2. **Strategic Planning for Expansion:**

   o Identify and evaluate future mandates and operational requirements of DCPW to forecast land and building needs.
   o Prepare proposals for acquiring new land and buildings in strategic locations to support upcoming projects and mandates.

3. **Acquisition Process:**

   o Liaise with relevant government agencies and authorities to identify suitable properties for acquisition.
   o Follow due diligence, including legal, financial, and technical vetting, before finalizing acquisitions.

4. **Project Execution & Monitoring:**

   o Oversee the construction, renovation, and maintenance of all DCPW properties, ensuring timely completion and adherence to quality standards.
   o Implement robust monitoring mechanisms for on-going and new projects, with regular progress reviews and reporting to senior management.

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