OFFICE OF THE IGP
PUDUCHERRY
No. 193/Mtg/22
Received On 06/9/22
Despatched On 07/09/22

OFFICE OF THE DGP
PUDUCHERRY
No: 292/Mtg
Received on: 04/09/22
Despatched on: 05/09/22

ADGP/IGP
SSP (T2C)
SP (Wireless)
09/9

OFFICE OF THE ADGP
PUDUCHERRY
No. 281/Mtg
Received ON: 5.9.22
Despatched ON 6.9.22

Government of India
Ministry of Communications
Department of Telecommunications
O/o Advisor, Tamil Nadu LSA
III Floor, Tamilnadu Telecom Complex
No.60, Ethiraj Salai, Chennai-600 008

No: ADV/TN-LSA/CHN/T-HCBS /2022-23/ Dated: 02 .09.2022

To,

The Inspector General of Police
Puducherry

**Subject: Standard Operating Procedure (SOP) for installation and operation of " Towers of the Harmonious Call Blocking System ' (T-HCBS) to prevent unauthorized communications from Prison Complex-reg**

Sir,

This is to bring to kind information that Government of India, Ministry of Communications, Department of Telecommunications (through Access Services Wing) has come out with a Standard Operating Procedure (SOP) for installation and operation of " Towers of the Harmonious Call Blocking System ' (T-HCBS) to prevent unauthorized communications from Prison Complex.

2. As per this SOP, the Prison Department of the State may approach the Head of LSAs(License Service Areas), Field Units of Department of Telecommunications for initiating the proposal to prevent unauthorized communications from identified Prison complex. The LSA may then coordinate with all the Telecom Service Providers (TSPs) and representatives of Prison Department. For this purpose details of the nodal officers of all the stake holders (i.e LSA, TSPs and Prison authorities) needs to be maintained

3. The Tamilnadu LSA field Unit of DoT headed by HAG/HAG+ level officer with Hqrts at Chennai and additional field Unit at Coimbatore, is having jurisdiction over Puducherry and Karaikal Districts under Union Territory of Puducherry . The Compliance Vertical in the LSA will be coordinating this work on behalf of Head of LSA. The Nodal officers from TN nominated for this work is enclosed as **Annexure 1**.

4. The salient points of the SOP is enclosed as **Annexure 2**.

5. The Delhi LSA Field Unit /DoT HQ is organizing a workshop through VC mode on 12th September 2022 at 11:00 Hrs with all DoT Field LSA Units, MHA and concerned State/UT



OFFICE OF THE SUPERINTENDENT OF POLICE (PUDUCHERRY)
No: 2756
Date: 10/09/2022
PUDUCHERRY

OFFICE OF THE SSP (T)
PUDUCHERRY
No: 1217/CR/2022
Received On: 9/9/22
Despatched On:

Depts for better coordination and implementation of SOP. A letter issued in this regard is enclosed as **Annexure 3** which also contains the VC link details and Agenda of the workshop.

7. In view of the above it is kindly requested to nominate nodal/alternate officers from the Prison Department of Union Territory of Puducherry (for Puducherry and Karaikal Districts) and convey the same to this office at the earliest as per the format below

| Sl No | Name of the Officer | Office Address | Email id | Contact Nos |
|---|---|---|---|---|
| | | | | |

It is also kindly requested that the nodal officers so nominated may please be informed to participate in the workshop in VC mode scheduled on 12.9.2022 at 11:00 hrs as per the meeting details enclosed at Annexure 3.

Please acknowledge the receipt of this letter.

Encl: A/a

(Vijay Krishnamoorthy I.T.S)
Director (Compliance II) Chennai

Copy to:

1. The Director General of Police Puducherry
2. Sr DDG and Head of Tamilnadu LSA Department of Telecommunications Chennai
3. Dy Director General (Compliance) TN LSA Chennai/ Coimbatore
4. Nodal officers of DoT TN LSA Chennai/Coimbatore

**ANNEXURE 1**

## Nodal Officers of Tamilnadu Field Units of Department of Telecom

| Sl No | Name of Officer | Designation | Office address | Jurisdiction area | e-mail id | Contact Number |
|---|---|---|---|---|---|---|
| 1 | Momidi Venaiah I.T.S ( Nodal Officer) | Director (Compliance) | O/o Advisor TN LSA 3rd Floor, TNT Complex, 60 Ethiraj Salai, Chennai-600008 | Chennai, Thiruvallur, Kancheepuram and Chengalpattu Districts | dirc.tn-dgt-dot@gov.in | 9440000167 |
| 2 | Vijay Krishnamoorthy I.T.S (Alternate Nodal Officer) | Director (Compliance II) | O/o Advisor TN LSA 3rd Floor, TNT Complex, 60 Ethiraj Salai, Chennai-600008 | Chennai, Thiruvallur, Kancheepuram and Chengalpattu Districts | dirc2.tn-dgt-dot@gov.in | 9444000138 |

ANNEXURE 2

**Standard Operating Procedure (SOP) for installation and operation of " Towers of the Harmonious Call Blocking System ' (T-HCBS) to prevent unauthorized communications from Prison Complex-reg**

(i) Prison Department of the State may approach the Head of LSAs of DoT for initiating the proposal to prevent unauthorized communications from identified Prison complex.

(ii) The Head of LSA may coordinate with all the Telecom Service Providers (TSPs) and representatives of Prison Department.

(iii) Details of the nodal officers of all the stake holders (i.e LSA, TSPs and Prison authorities) needs to be maintained

(iv) TSPs shall assess the coverage, capacity and quality of signals in the prison complex and its adjoining areas. Based on the assessment, TSPs shall perform necessary adjustment/optimization in the power output( Radio Access Network) and directions of the antennas of the Base Stations (BTS/Node B/e NodeB/etc) already installed in the vicinity of the said Prison complex to minimize the available signal strengths inside the Prison complex. Round Trip Time Duration(RTTD) technique may also be deployed for the same.

(v) TSPs shall regularly optimize(at least bi-monthly) their Radio Access Networks(RAN) in the vicinity of Prison complex to minimize the availability of signal strength inside the Prison Complex. This optimization shall also be carried out after any new installation or any changes in the existing installations. The optimization reports shall be submitted to Prison Department with copy to LSA.

(vi) Separately TSPs shall ensure that the Base stations, Cell Sites or Radio transmitters as the case may be , to provide mobile telephone services near prison complex, wherever located and established shall be as far away from such premise as feasible and such Base Stations, Cell sites or Radio transmitters shall work in such a fashion such radio signals(s), emanating there from, fade out when nearing or about to cross Prison complex and become unusable within a reasonable distance across such premise.

(vii) Based upon the available residual usable signal strength inside prison complex after the optimization process, the concerned prison authorities may consider the installation of 'Towers of the Harmonious Call Blocking System' (T-HCBS) and number of such sites may be decided in consultation with the TSPs and respective LSA unit.

(viii) All TSPs will share the details of service request (number of sites required, tower height, power, etc) with the respective Prison Department for selection of suitable IP-Is (Infrastructure Providers). The service request may be part of RPF (Request for Proposal)/Tender process by Prison Department

(ix) Installation of Passive Infrastructure shall be carried out by IP-Is (Infrastructure Providers), and the selection of Infrastructure Providers may be done by the Prison authorities, from the list of IP-Is registered with DoT, on mutually acceptable commercial terms and conditions. The Passive Infrastructure cost (Rs 26000 per TSP per month per T-HCBS site) being paid by Tihar Jail to IP-Is for installation of Y-HCBS

may be taken as reference. The recurring expenditure on power supply shall also be borne by the Prison Department.

(x) Installation of Active Infrastructure shall be carried out by the concerned TSPs. The ownership of the infrastructure shall remain with the Infrastructure Providers/TSPs. The cost (on hiring basis) of Active Infrastructure shall be borne by the Prison Department. The tentative cost (irrespective of the technology) of Active Infrastructure along with Annual Maintenances Charges is mentioned below The deployed solution should be able to cater 5G.

(xi) The installed T-HCBS sites shall act as dominant Base Stations for all the mobile communications activities originating /terminating in the Prison complex, which shall be blocked by TSPs to control unauthorized communication from inside the Prison complex. TSPs shall also ensure that the signals/effect of these T-HCBS sites shall not spill over to the areas outside the Prison complex

(xii) TSPs shall share the technical reports of T-HCBS sites with the respective LSA within 15 days of installation to carry out an independent audit of efficacy of installed T-HCBS sites inside Prison complex.

(xiii) LSA in coordination with the TSPs shall carry out regular testing (say once in the quarter) of the signals being blocked due to these T-HCBS for effective monitoring of the blocking effort, and share its results with the Prison department.

(xiv) Prison Department or any agency working on behalf of the Prison department may procure RF Area Scanner equipment (such as PCTEL Scanner used for testing during trial or any other Scanner) to directly monitor the efficacy of T-HCBS sites installed in Prison complex on regular basis and accordingly flag any issue that may require intervention of TSP or LSA office.

(xv) TSPs shall maintain the records of mobile numbers latched to the T-HCBS sites for atleast two years and share the same with LEAs on need basis.

(xvi) T-HCBS is a technical solution to prevent unauthorized communications from prisons, but 100% blockage may not be guaranteed even after the implementation of this solution due to various reasons such as coverage dark areas, shadow areas, multipath propagation, fading, atmospheric conditions, etc. Hence TSPs will not be liable in this regard. To address such concerns, based on the actual situations on ground, individual prison authorities may explore additional technological options like jammers etc

**Costing: The average tentative cost of the Active infrastructure is as follows:**

1. Three Lakh Rupees per service provider per site for backhaul ( such as Tx-Microwave access, etc)
2. Five Lakh Rupees per service provider per spectrum band per site ( There are six spectrum bands presently notified by DoT 800 MHz, 900 MHz,1800 MHz, 2100 Mhz, 2300 MHz and 2500 MHz).
3. One Lakh Rupees per service provider per annum as Annual Maintenance Charges
4. One Lakh Rupees per service provider per site as Installation cost

The above proposed costs are subject to revision from time to time by DoT..

**Naveen Kumar, I.T.S.**
Sr. Deputy Director General
Email: srddg.dl-dgt-dot@gov.in
Ph: 011-26212680

संचार मंत्रालय
दूर संचार विभाग
भारत सरकार
Department of Telecommunications
Ministry of Communications
Government of India
O/o Advisor (Telecom)
Delhi License Service Area

**59-64/TERMD/Compliance/2022-23** **Date: 02-09-2022**

Dear Sir/Madam,

I request your kind attention to Standard Operating Procedure (SOP) for installation and operation of 'Towers for Harmonious Call Blocking System (T-HCBS)" circulated by DG(T) to all LSAs on dated 18.07.2022. In this regard, a workshop on VC mode is scheduled to be organized by Delhi LSA on 12.09.2022 with all LSAs, MHA and concerned States' Department for better coordination and implementation of Standard Operating Procedure (SOP) for installation and operation of 'Towers for Harmonious Call Blocking System (T-HCBS)".

I, therefore, request you to ensure that the workshop through VC is attended by concerned DDG of LSA. It is also requested to coordinate with concerned department of State/ UTs to attend the workshop through VC.

The date, time, VC link and QR code for the workshop is as below:

Date: 12-09-12022
Time: 11:00 am onwards
VC link: https://cdotmeet.cdot.in/vmeet/vad-nwd-h5l-con

Regards,

Yours Sincerely
Naveen Kumar
(Naveen Kumar)

Encl: Schedule of Events

To
All LSA Heads

**Schedule of events for Workshop on T- HCBS ( Towers for call blocking system) in prison premises.**

**Date: 12-09-2022**

1. 10:30 to 10:50 am VC link testing.

2. 11:00 am - Welcome address by Sr DDG Delhi LSA.

3. 11:10 am - Opening remarks by DGT, DoT

4. 11:15 am to 11:45 am - Presentation by AS Wing DoT

5. 11:45 am to 12:15 pm - Presentation by Compliance Division Delhi LSA.

6. 12:15 pm to 12:30 pm - FAQ by AS Wing & Delhi LSA

7. 12:30 pm to 12: 50 pm - Questions and Answers & open session

8. 12:50 pm - Vote of Thanks by DDG C Delhi LSA

**Standard Operating Procedure (SOP) for installation and operation of " Towers of the Harmonious Call Blocking System " (T-HCBS) to prevent unauthorized communications from Prison Complex-reg**

**From :** Vijay Krishnamoorthy <dirc2.tn-dgt-dot@gov.in> Sat, Sep 03, 2022 11:04 PM

**Subject :** Standard Operating Procedure (SOP) for installation and operation of " Towers of the Harmonious Call Blocking System " (T-HCBS) to prevent unauthorized communications from Prison Complex-reg

4 attachments

**To :** Mr Ravideep Singh Chahar <igprisons.pon@nic.in>

**Cc :** DGP Puducherry Police Department <dgp.pon@nic.in>, Deepak Tayal <advisor.tn-dgt-dot@gov.in>, R. Balaji Prasad <ddgc.tn-dgt-dot@gov.in>, Momidi Venaiah <dirc.tn-dgt-dot@gov.in>

To,

The Inspector General of Police
Puducherry

Sir,

Please find attached herewith a letter issued on the subject referred above for kind information and with a request to take necessary action as mentioned in the same.

Kindly acknowledge the receipt of this communication,

Best Regards,

Vijay Krishnamoorthy I.T.S
Director (Compliance II)
Govt of India
Ministry of Communications
Department of Telecommunications
O/o Advisor, Tamilnadu LSA
3rd Floor, TNT Complex
60 Ethiraj Salai Chennai-600008
Mob: 9444000138

