



Second Young SPs Conference and Police Expo 2018 - Report on Screening Committee.

Report By Expert Screening Committee
Constituted by BPR&D for Evaluation of Products & Technologies Displayed at
Police Expo – 2018 at BPR&D Hqrs. Mahipalpur, New Delhi.

1. Introduction

During the DsGP/ IsGP Conference held in 2016, the **Hon’ble Prime Minister** expressed his views that Young Police officers need to train sub-ordinates on latest technologies, techniques in investigation, trend in crime, trend in crime etc. Accordingly, Bureau had started to organize focussed Conference for Young Superintendents of Police on annual basis. The theme of first, two day Conference was **Technological Empowerment for Impactful Policing** and organized on 01st and 02nd August, 2017 at Vigyan Bhawan. This Conference was attended by Young Superintendents of Police (States/UTs) with 5-10 years of service experience and Commandants of CAPFs.

In the series of same endeavour, Bureau has organized a two-day Conference for Young Superintendents of Police clubbed with **Police Expo - 2018** in association with FICCI on **July 26-27, 2018 at BPR&D Hqrs, Mahipalpur, New Delhi.**

The Theme of the Conference was **“Predictive Policing and Contemporary Challenges for Indian Police Forces”** and the Exposition was focussed on areas such as Artificial Intelligence; Predictive Policing / Crime Analytics/ Big data Analytics; Geospatial Technology; Cyber Crime; Surveillance Tracking & UAVs; CCTV Equipment.

In the above programme, BPR&D had constituted an **Expert Screening Committee** for evaluating the products and technologies of the exhibiting companies.

2. Members of Expert Screening Committee (ESC)

- a) Smt. Anupam Kulshreshtha, IG (Prov.), CRPF, CGO Complex, Lodhi Road, New Delhi
- b) Shri Abhishek Trivedi, IG (Prov), NSG, Mehram Nagar, Near Palam Airport, New Delhi - 110037
- c) Shri Arvind Dutt Abdali, DIG (IT), BSF, CGO Complex, Lodhi Road, New Delhi
- d) Shri Anuj Kumar Singh, Commandant (Int.), ITBP, CGO Complex, Lodhi Road, New Delhi
- e) Shri H.P. Agarwal, Director, Directorate of Low Intensity Conflicts (DLIC), DRDO, Rajaji Marg, New Delhi
- f) Prof. Kolin Paul, Department of Computer Science & Engineering, IIT Delhi, Hauz, Khas, New Delhi
- g) Dr. Novaline Jacob, Scientist/Engineer 'G' , and Director/ Head, DKD, ADRIN, Hyderabad
- h) Shri Sumeet Gupta, Senior Director, FICCI, Homeland Security. New Delhi
- i) Shri N.K. Jain, Sr. Director, CDAC, New Delhi
- j) Sh Nisheeth Srivastava, Department of Computer Science & Technology, IIT Kanpur, Uttar Pradesh.

3. Terms of reference for the Expert Screening Committee

- Visit the Booths / Stalls of exhibiting companies and evaluate technologies relevant for policing under varied conditions.
- Facilitate B2G meetings between Industry/ Solution Providers and user organisations (CAPFs & State Police Forces) to undertake field trials and pilot projects for better customisation and adoption.
- Prepare review report of the product/ technology / solution, which could be uploaded on the website of the BPR&D.

4. Methodology followed by Expert Screening Committee (ESC)

The first Meeting of the ESC was held on 23.07.2018 at BPR&D Hqrs, Mahipalpur. During the Meeting, it was decided that ESC would evaluate the technologies / gadgets showcased by the exhibitors. For evaluation purpose, if need be, the demonstration of the technologies / gadgets would also be organized. The evaluation would be focussed on the functioning of Police under varied conditions and following recommendations for each technology / gadget would be suggested: -

- a) Ready for Acquisition.
- b) Pilot Projects.
- c) Field trials.
- d) Need for further development / customization.
- e) Not relevant.

The ESC has also suggested that during the evaluation, representative from State Police and CAPFs may also be co-opted.

The Committee has also clarified the definitions of following for better understanding of various aspects at later stage: -

- a) **Ready for Acquisition:** The committee would suggest this recommendation when it is found that the evaluated technologies / gadgets are matured enough for acquisition immediately. However, any State / CAPF / CPO intend to acquire such technologies / gadgets, the Committee suggests that to understand the functioning and operational aspects of technologies / gadgets the user organizations may go for the field trial at their end. The final decision for further acquisition would be of user organization.
- b) **Pilot Project:** A small scale preliminary study to be conducted in order to evaluate feasibility, extent of suitability & utility, readiness and financial implications on acquisition prior to performance of a full-scale acquisition. Technologies / Gadgets those have been recommended for pilot project may

be chosen by any State / CAPF / CPO for pilot project. The final decision for further customization or acquisition would be of user organization.

- c) **Field Trials:** Field trial is a test of the performance of a product / procedure to determine its efficiency or usefulness in actual functional / operational conditions. Technologies / Gadgets those have been recommended for field trial may be chosen by any State / CAPF / CPO for conducting field trial. The final decision for further customization or acquisition would be of user organization.
- d) **Need for further development / customization:** The committee would suggest this recommendation when it is found that the evaluated technologies / gadgets are not suitable in the present form but after certain modifications / customizations same would be of the utility for law enforcement agencies.
- e) **Not Relevant:** The committee would suggest this recommendation when it is found that any item/Gadget/Product/Technology is not suitable in the backdrop of the utility/functional requirement of Security forces.

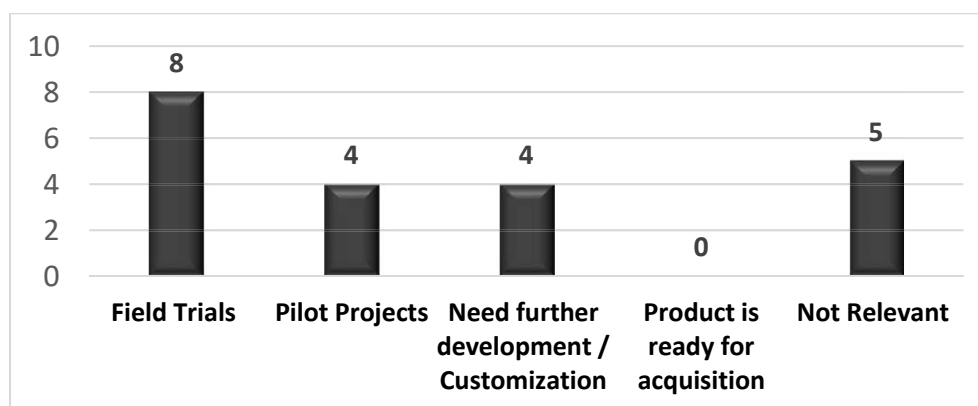
The 2nd Meeting of ESC was held on July 26th, 2018 at BPR&D Hqrs. As wide range of products had been showcased by about 96 exhibitors in the Police Expo, the Committee decided to divided into three groups under the leadership of following: -

- a) Smt. Anupam Kulshreshtha, IG (Prov.), CRPF
- b) Shri Abhishek Trivedi, IG (Prov), NSG,
- c) Shri H.P. Agarwal, Director, Dte. of Low Intensity Conflicts, DRDO

The head wise compilation are as under: -

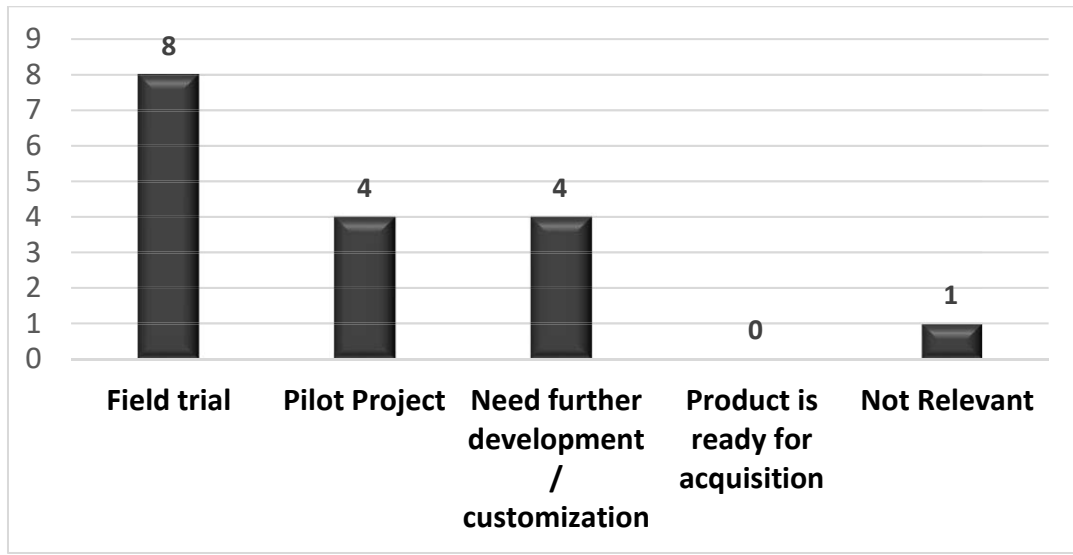
Predictive Policing / Crime Analytics / Big data Analytics

21 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in **Appendix ‘A’**. The summarised details are represented below: -



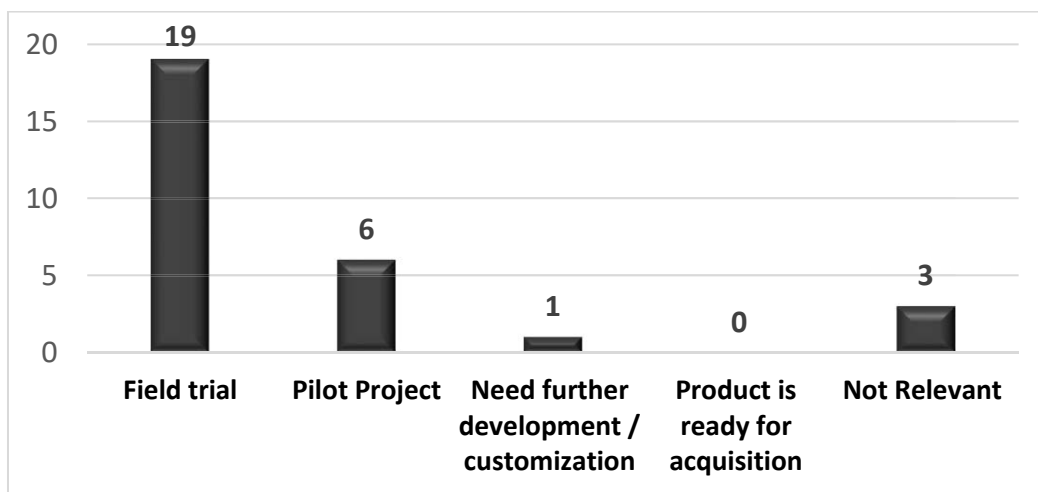
Surveillance Tracking and UAVs

17 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in Appendix 'B'. The summarised details are represented below: -



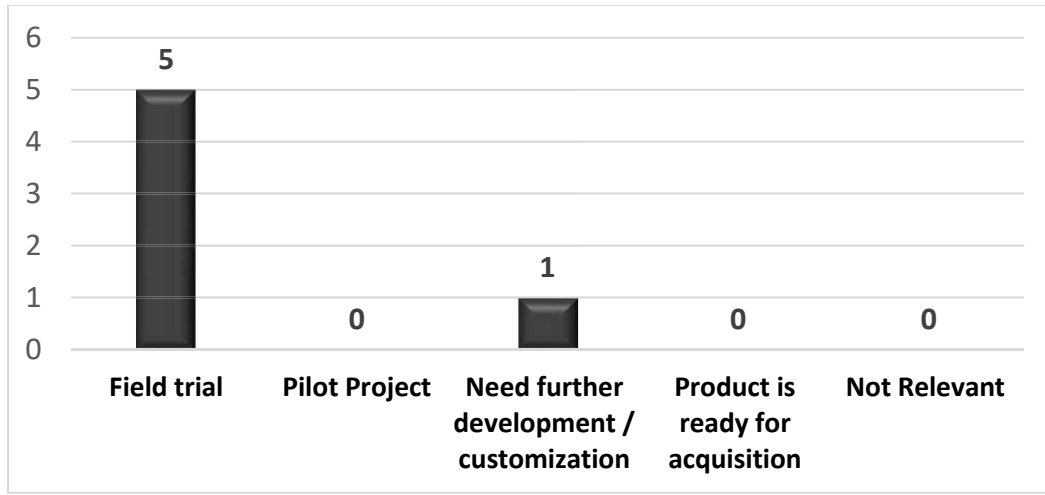
Cyber Crime

29 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in Appendix 'C'. The summarised details are represented below: -



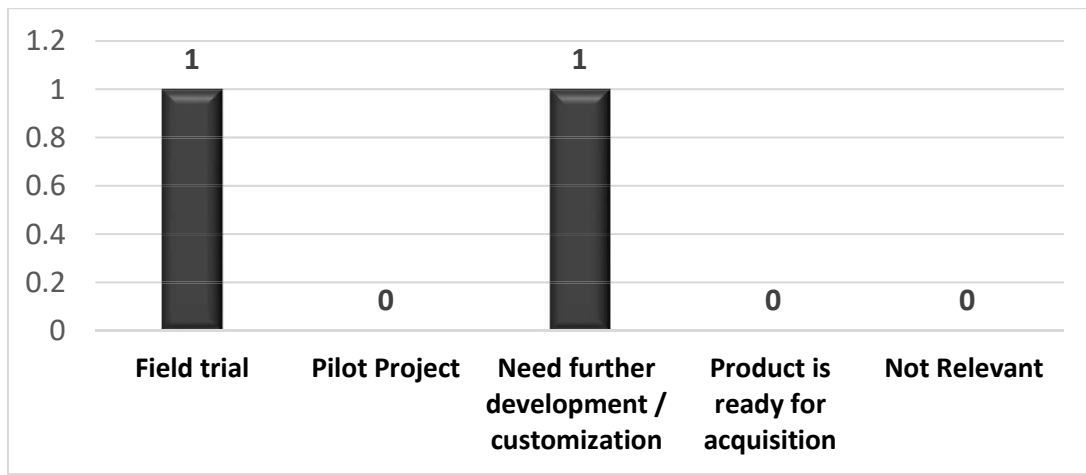
Geospatial technology

06 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in Appendix 'D'. The summarised details are represented below: -



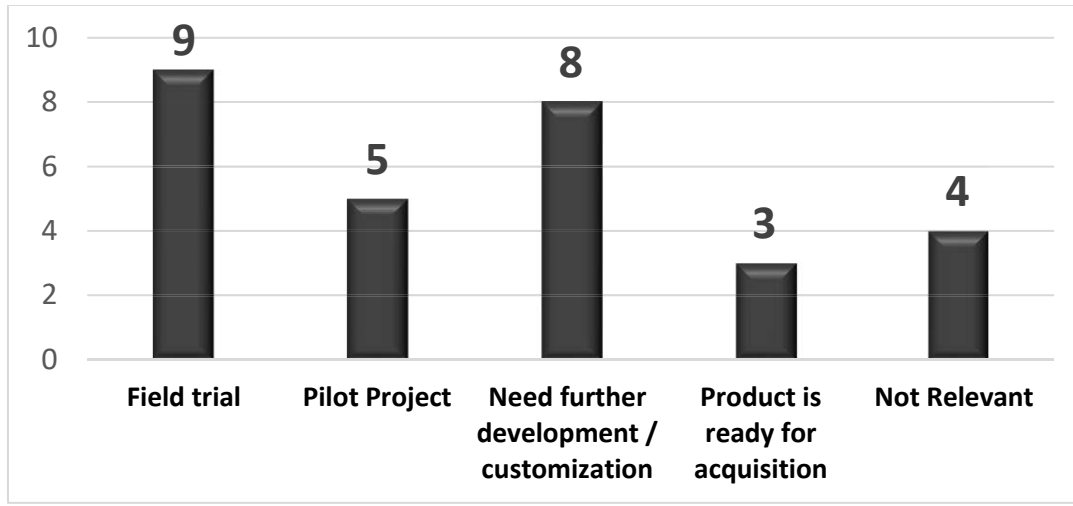
CCTV Equipment

02 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in Appendix 'E'. The summarised details are represented below: -



Other Products

29 different products / technologies were evaluated by the ESC, details of firm, contact person and recommendations of ESC against each item are given in Appendix 'F'. The summarised details are represented below: -

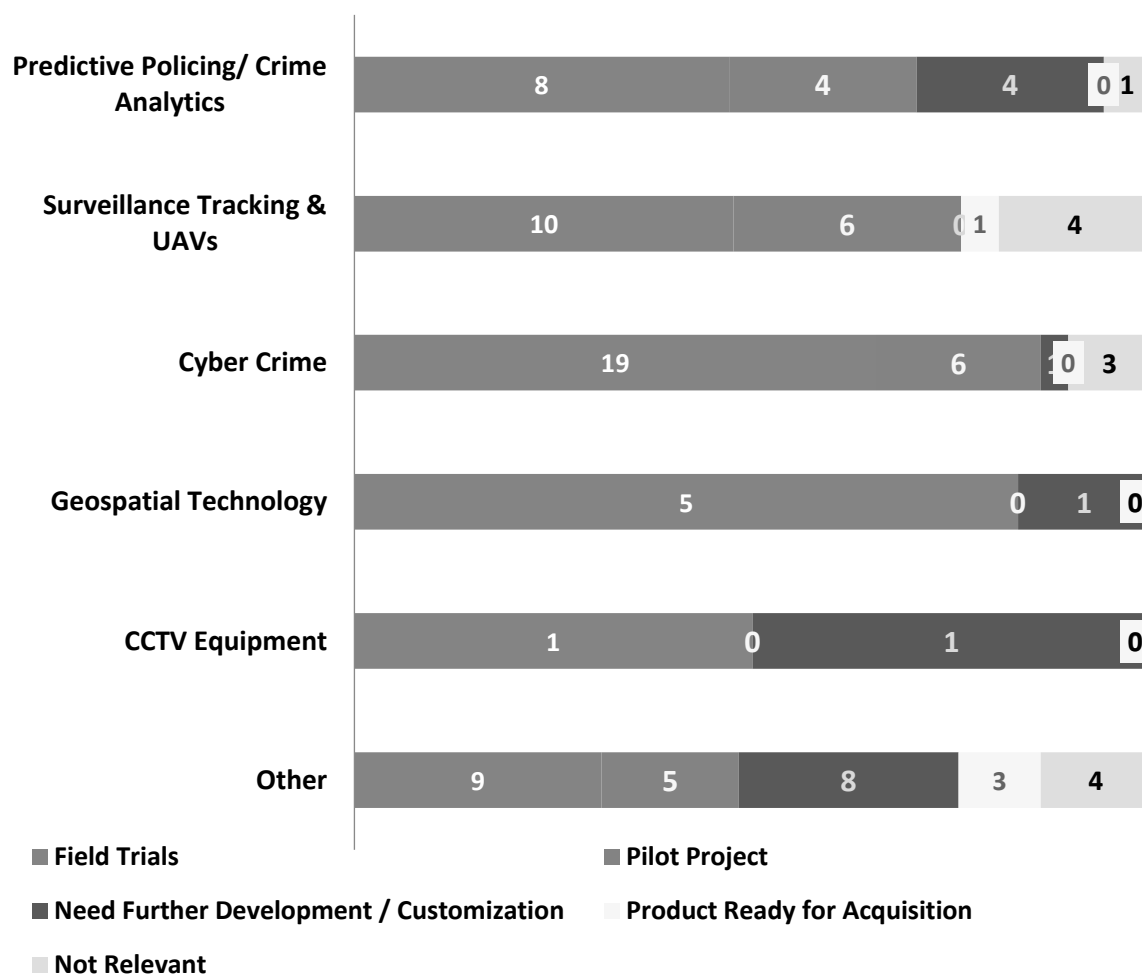


Summary

ESC evaluated total 104 different products / technologies.



Category wise summary of actions recommended by ESC



Tabulated Category wise summary of actions recommended by ESC.

| Srl No | Category | Suggested Recommendations of ESC | | | | |
|--------|--|----------------------------------|---------------|--|--------------------------------|--------------|
| | | Field Trials | Pilot Project | Need Further Development / Customization | Products Ready for Acquisition | Not Relevant |
| 1 | Predictive Policing / Crime Analytics / Big data Analytics | 08 | 4 | 4 | 0 | 1 |
| 2 | Surveillance Tracking and UAVs | 10 | 6 | 0 | 1 | 4 |
| 3 | Cyber Crime | 19 | 6 | 1 | 0 | 3 |
| 4 | Geospatial technology | 05 | 0 | 1 | 0 | 0 |
| 5 | CCTV Equipment | 01 | 0 | 1 | 0 | 0 |
| 6 | Other Products (Miscellaneous) | 09 | 5 | 8 | 3 | 4 |
| | Total | 52 | 21 | 15 | 04 | 12 |

Disclaimer

The Police Expo – 2018 was organized by BPR&D in association with FICCI with aims to create awareness among Young Superintendents of Police from States and Commandants from CAPFs, regarding latest technologies in areas such as Artificial Intelligence; Predictive Policing / Crime Analytics/ Big data Analytics; Geospatial Technology; Cyber Crime; Surveillance Tracking & UAVs; CCTV Equipment, for effective delivery of Police Services to citizens. The Experts Screening Committee and BPR&D would not certify or endorse any products / technologies / gadgets etc. evaluated by Experts Screening Committee. This Report and any recommendation of Expert Screening Committee should not be claimed for any approval of product/ technologies / gadgets etc. by the firm in future.

The Recommendations of this report are merely the suggestions for law enforcement agencies as a ready reference and not for usage for any other purpose or for any legal issues involved.

Predictive Policing / Crime Analytics / Big data Analytics

| Sr. No | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|--------|--|--|---------------------|--|--|--|
| 1 | SAS Software | SAS Institute India Pvt. Ltd. | Ms. Desere Pereira | +91 9819 397 688 desere.pereira@sas.com | Field trials | Demonstrated on Computer, for proper evaluation any State Police may test the software. |
| 2 | SmartCloud Crime Prevention and Reporting System | Smartcloud Infoservices Pvt Ltd | Dr. Gajanan Sakhare | +91 9765 610 333 gajanan@scispl.com | Field trials | Demonstrated on Computer, for proper evaluation any State Police may test the software. |
| 3 | Voice Analysis System | Vehere Interactive Private Limited | Mr. Suman Mukherjee | +91 9874 566 683 suman.mukherjee@vehere.com | Field trials | Useful for Central and State Forensic Science Laboratories. The System can also be useful for CBI, NIA and IB. |
| 4 | Prophecy | Innefu Labs Private Limited | Mr. Tirender Wig | +91 9999 026 322 tarun@innefu.com | Field trials | Useful Product, Interested user may contact for implementation. |
| 5 | P-Akhbar | Centre For Development Of Advanced Computing (C-DAC) | Dr. Ajai Kumar | +91 9371 034 560 info.aai@cdac.in | Pilot Project | The State Police may analyse the Gaps if any, by implementing the same in their State as pilot project for taking further decision on acquisition of P – Akhbar . |

| Sr. No | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|--------|---|--|----------------------------|--|--|---|
| 6 | NameScape | Centre For Development Of Advanced Computing (C-DAC) | Mr. Ravi Mane | +91 2025 503 486 ravim@cdac.in | Pilot Project | The State Police may analyse the Gaps if any, by implementing the same in their State as pilot project for taking further decision on acquisition of NameScape . |
| 7 | Crimeophobia's Predictive Policing | Crimeophobia | Criminologist Snehil Dhall | +91 9821 729 876 snehildhall@crimeophobia.com | Not relevant | - |
| 8 | Video-Based Incident Detection System | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Further product development required | They have a relevant product portfolio but a reasonable amount of work has to be done to build solution for a field trial. |
| 9 | Facial Recognition Software | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Further product development required | Facial Recognition is a useful technique for Investigation agencies and this home grown company can be encouraged for a proper trial. |
| 10 | Automatic Number Plate Recognition System | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Field Trial | - |

| Sr. No | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|--------|---------------------------|--|------------------|----------------------------------|--|--|
| 11 | Smart E-Police | Innodel Technologies Pvt. Ltd. And Smartetouch - Jointly | Mr. Chirag Shah | 9898082011 chirag@innodel.com | Field trials | Demonstrated on Computer and found useful for State Police. However, for proper evaluation State Police may test the software. |
| 12 | Anveshak | Centre For Development Of Advanced Computing (C-DAC) | Dr. Ajai Kumar | 9371034560 info.aai@cdac.in | Pilot Project | The State Police may analyse the Gaps if any, by implementing the same in their State as pilot project for taking further decision on acquisition of Anveshak . |
| 13 | Face Recognition Software | Centre For Development Of Advanced Computing (C-DAC) | Mrs. Soma Mitra | 9830577891 soma.mitra@cdac.in | Pilot Project | The State Police may analyse the Gaps if any, by implementing the same in their State as pilot project for taking further decision on acquisition of Software . |
| 14 | Video Surveillance | CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC) | Dr. Sanjay Kadam | 7588236113 sskadam@cdac.in | Field trials | Useful for State as well CAPFs. |

| Sr. No | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|--------|--|---|------------------|---------------------------------------|--|--|
| 15 | Artificial Intelligence Powered Video Content Analysis | Kerala Police Cyberdome In association with Neuroplex Pvt Ltd | Mr. Savio Victor | 9995951581 savio@neuroplex.in | Field trials | Useful for State as well CAPFs. |
| 16 | Surveillance Video - Real Time Incident Detection and Report (RTIDR) | AInetix Private Limited | Mr. Dilip Singh | 9999130578 dilip.singh@alnetix.com | Further product development required | Products seems useful for Rescue / Relief operations. Further development required. The interested user may go for customization and further development |
| 17 | Faception | Collaborative Intelligence P Limited | Mr. Sangeeta Das | 9811603910 sdas@collabint.com | Will need customization training for India | This is new Technology - some State Police / CBI / NIA can invest in doing a pilot. User agencies can start a short trial to see the efficacy of the method. |

Surveillance Tracking and UAVs

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|--|--------------------------------------|-------------------|---|---|---|
| 1 | Netra Family Of Multirotor Unmanned Aerial Vehicles (UAVs) | Ideaforge Technology Pvt Ltd | Ms. Faizan Haroon | +91 8433 702 916 demo@ideaforge.co.in | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 2 | Q-Series Quadrotor (UAVs) | Ideaforge Technology Pvt Ltd | Ms. Faizan Haroon | +91 8433 702 916 demo@ideaforge.co.in | Field trials | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 3 | A400 & Genesis | Asteria Aerospace Private Limited | Mr. Alok Nautiyal | +91 7899 770 379 Alok.nautiyal@asteria.co.in | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 4 | Rakshakbot | Collaborative Intelligence P Limited | Mr. Sangeeta Das | +91 9811 603 910 sdas@collabint.com | Field trials | It is a useful product with multi-utility and can operate in almost all types of terrain. It can be utilized for surveillance ops,. CAPFs / NSG/SPG / Specialized teams may use it. The user may go for trials as per their operational requirement and subsequent induction. |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|---|---------------------------------------|------------------------|--|--|--|
| 5 | Bppulse (Force And Vehicle Tracking and Real Time Situational Assessment) | Collaborative Intelligence P Limited | Mr. Sangeeta Das | +91 9811 603 910 sdas@collabint.com | Not required in this domain | This product is not really useful for either the CAPF or investigation agencies / States Police. This is more logistics tracking device. |
| 6 | Lu 600 C | Lamhas Satellite Services Limited | Mr. Manoj Shah | +91 9820 446 644 manoj@lamhas.com | Not relevant | - |
| 7 | Zepcam | Lamhas Satellite Services Limited | Mr. Manoj Shah | +91 9820 446 644 manoj@lamhas.com | Not relevant | - |
| 8 | Mahindra Airvan 8 - Special Missions Capable Aircraft | Mahindra Aerospace Private Limited | Mr. Mahesh Acharya | +91 9886 303 077 Acharya.mahesh@mahindraaerospace.com | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 9 | Mobile Data Terminal | Maxworth Electronic Systems Pvt. Ltd. | Mr. Aditya Singh Bhati | +91 8920 248 084 Aditya.singh@maxworthsystems.com | Field trials | The mobile data terminals for emergency services and e-challan systems and RFID based weapon system may be exhausted by SPOs |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|-------------------------------------|----------------------------|----------------------|--|---|---|
| 10 | Mini Remote Operated Vehicle (MROV) | Nikon Electronics Pvt Ltd | Mr. Deepak Jairath | +91 9866 125 555 deepakjairath@nikonelectronics.com | Field trials | ROVs, Analyser (Telephone and line) and X-ray viewing system recommended for evaluation |
| 11 | Real Time Viewing System | Nikon Electronics Pvt Ltd | Mr. Deepak Jairath | +91 9866 125 555 deepakjairath@nikonelectronics.com | Not relevant | - |
| 12 | Mini UAV | Tata Advanced Systems Ltd. | Mr. V S Srinivasan | +91 9999 464 003 vssrinivasan@tataadvancedsystems.com | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 13 | Aeroscope – Drone Detection System | IIO Technologies Pvt Ltd | Mr. Sunny Sharma | +91 9890 441 007 sunny@iio technologies.com | Field trials | - |
| 14 | Matrice 210 | IIO Technologies Pvt Ltd | Mr. Sunny Sharma | +91 9890 441 007 sunny@iio technologies.com | Field trials | - |
| 15 | Mavic Pro | IIO Technologies Pvt Ltd | Mr. Sunny Sharma | +91 9890 441 007 sunny@iio technologies.com | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 16 | Third Eye | (C-DAC) | Mr. Ritesh Mukherjee | +91 9433 493 563 ritesh.mukherjee@cdac.in | Pilot Project | May be tested by CAPFs and State Police in real operational / functional conditions. |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|--|---|------------------------|--|--|--|
| 17 | Kranioz | Kerala Police Cyberdome in association with Technorip Innovations Pvt Ltd | Mr. Arun PM | +91 9995 569 347 arun@technorip.com | Field trials | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 18 | Hand Held Thermal Imager (NETRO) | MKU | Mr. Sarnath Khandelwal | +91 9717 988 577 Sarnath.khandelwal@mku.com | Field trials | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 19 | Night Vision Device (NETRO) | MKU | Mr. Sarnath Khandelwal | +91 9717 988 577 Sarnath.khandelwal@mku.com | Field trials | May be tested by CAPFs and State Police in real operational / functional conditions. |
| 20 | Radio/Sat phones / sights / TI/ Common Surveillance Cellphone system | BEL | - | - | Field trials | The products like satcom, surveillance equipment and weapons sights are seemingly useful. The SATCOM, and weapons sights are recommended for trial evaluation. |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|---------------------------------------|--------------|------|-----------------|--|--|
| 21 | Leica DS 2000 Utility Detection Radar | Hexagon | - | - | Product is ready for acquisition by law enforcement agencies. | Product seems to be of utility for AS check teams Road Opening Parties, in ANO / Anti-Terrorist Operations being undertaken by CAPFs, State Police, SPG, NSG. Users may consider it for trials on no cost no commitment basis and go for induction as per their utility in their ops. Environment. |

Cyber Crime

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|---|--|-------------------|-------------------------------------|---|--|
| 1 | SuperMassive 9200 | SonicWall India Technology Pvt Ltd | Mr. Sameer Pandey | 9811055328 spandey@sonicwall.com | Field trials | Actual utility to be ascertained by law enforcement agencies by conducting field trials. |
| 2 | NSA 3600 | SonicWall India Technology Pvt Ltd | Mr. Sameer Pandey | 9811055328 spandey@sonicwall.com | Field trials | |
| 3 | TZ 500 | SonicWall India Technology Pvt Ltd | Mr. Sameer Pandey | 9811055328 spandey@sonicwall.com | Field trials | |
| 4 | CDR Analysis (CDAMS, CSA) | Foundation Futuristic Technologies Pvt. Ltd. | Ms. Resham Datt | 9818588000 rd@forensicsguru.com | Need modifications | - |
| 5 | Forensic Disk Duplicator- (TX1, Falcon) | Foundation Futuristic Technologies Pvt. Ltd. | Ms. Resham Datt | 9818588000 rd@forensicsguru.com | Field trials | - |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|--|--|---------------------|--|--|--|
| 6 | Disk Forensic Software (Encase, Magnet Axiom) | Foundation Futuristic Technologies Pvt. Ltd. | Ms. Resham Datt | 9818588000 rd@forensicsguru.com | Field trials | Actual utility to be ascertained by law enforcement agencies by conducting field trials. |
| 7 | Mobile Forensic (UFED, XRY) | Foundation Futuristic Technologies Pvt. Ltd. | Ms. Resham Datt | 9818588000 rd@forensicsguru.com | Field trials | |
| 8 | IMSI Catcher (both Vehicle Mounted and Backpack) | Vehere Interactive Private Limited | Mr. Suman Mukherjee | 9874566683 suman.mukherjee@vehere.com | Pilot Project | May be tested by State Police in real operational / functional conditions. |
| 9 | Lawful Interception System | Vehere Interactive Private Limited | Mr. Suman Mukherjee | 9874566683 suman.mukherjee@vehere.com | Pilot Project | |
| 10 | Metadata Interception & Analysis for IP Monitoring | Vehere Interactive Private Limited | Mr. Suman Mukherjee | 9874566683 suman.mukherjee@vehere.com | Field trials | |
| 11 | PacketWorker | Vehere Interactive Private Limited | Mr. Suman Mukherjee | 9874566683 suman.mukherjee@vehere.com | Does not meet requirement | - |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|---|--|---------------------|------------------------------------|--|---|
| 12 | Video enhancement and video authentication software- Amped FIVE and Amped authenticate software | Foundation Futuristic Technologies Pvt. Ltd. | Ms. Resham Datt | 9818588000 rd@forensicsguru.com | Field trials | - |
| 13 | AuthShield | Innefu Labs Private Limited | Mr. Tirender Wig | 9999026322 tarun@innefu.com | Field trials | - |
| 14 | CryptoGram | SmartCloud Infoservices Pvt Ltd | Dr. Gajanan Sakhare | 9765610333 gajanan@scispl.com | Field trials | Suitable for situations where end to end encrypted messaging is required. Cloud based solution for reporting appears to be good. Users to contact for trial implementation. |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|---|----------------------------------|---------------------|-----------------------------------|--|---|
| 15 | CryptoStore | SmartCloud Infoservices Pvt Ltd | Dr. Gajanan Sakhare | 9765610333 gajanan@scispl.com | Not found relevant | - |
| 16 | Belkasoft Evidence Center | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Pilot Project | Useful for Central and State Forensic Science Laboratories. The products/gadgets are found useful for investigating agencies. |
| 17 | CRU Ditto Kit | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |
| 18 | HTCI EDAS Fox – Forensic Workstation | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |
| 19 | HTCI EDAS Fox – Micro (Portable Forensic Workstation) | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |
| 20 | HTCI EDAS Fox – TURBO Kit (Portable Digital Forensic Lab) | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|--|--|----------------------------------|--|--|---|
| 21 | Forensic Tool Kit Software | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Pilot Project | Useful for Central and State Forensic Science Laboratories. The products/gadgets are found useful for investigating agencies. |
| 22 | Oxygen Forensics Detective | 3rd Eye Techno Solutions Pvt Ltd | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |
| 23 | PC3000 Express, SSD and Flash | -Do- | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Field trials | |
| 24 | Teel Tech JTAG, ISP and Chip-off with Teel Tech Trg. | -Do- | Mr. Niraj Kumar | 7042945222 Niraj.kumar@3ets.in | Pilot Project | |
| 25 | AppSamvid | Centre For Development Of Advanced Computing (C-Dac) | Mr. Sandeep Romana | 9100034447; ext: 340 sandeep@cdac.in | Field trials | Actual utility to be ascertained by investigating agencies by conducting field trials. |
| 26 | M-Kavach | Centre For Development Of Advanced Computing (C-Dac) | Mr. Krishna Chaithanya Manikonda | 9100034447; ext: 520 mkchaithanya@cdac.in | Field trials | |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|-----------------------------|---|---|---|--|--|
| 27 | Cyber Forensics Tools | Centre For Development Of Advanced Computing (C-Dac) | Ms. Amala R | 9020133066 amala@cdac.in | Pilot Project | Actual utility to be ascertained by law enforcement agencies by conducting field trials. |
| 28 | USBPratirodh | Centre For Development Of Advanced Computing (C-Dac) | Ms. Jyostna Grandhi | 9100034447; ext: 340 gjyostna@cdac.in | Field trials | |
| 29 | CDAC Password Recovery Tool | (C-Dac) | Mr. Nagesh R (Commercial), Mr. Raghavendra Patil (Tech.) | 9481067393, 9845266882 nageshr@cdac.in, rspatil@cdac.in | Not found relevant | - |

Geospatial technology

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|--|---------------------------------------|--------------------|--|---|--|
| 1 | 3D Laser Scanner – P50/ BLK360 and Leica RTC 360 | Hexagon Geosystems India | Mr. Amit Kumar | +91 9711 132 397 Amit.kumar@hexagon.com | Field trials | This Product (s) can be very useful for investigation agencies for crime records etc. Current 2D based system mainly employ melkods - the 3 D records can provide a different perspective which will be rich and have depth perception. User agencies - Staes Police etc. should plan field trial. |
| 2 | ArcGIS | Esri India | Mr. Anil Yadav | +91 9810 085 284 aky@esriindia.com | Further product development required | - |
| 3 | MMI Map Engine | C E Info Systems Pvt Ltd (MapmyIndia) | Ms. Sonal Bahuguna | +91 8527 179 791 sonal@mapmyindia.com | Field trials | Found useful, Actual utility to be ascertained by law enforcement agencies by conducting field trials. |

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|---------|-------------------------|--|------------------------|--|--|---|
| 4 | NAGINS | Centre For Development Of Advanced Computing (C-DAC) | Mr. Sandeep Srivastava | +91 2025 503 245 sandeepk@cdac.in | Field trials | - |
| 5 | Wireless Radio Tracking | Centre For Development Of Advanced Computing (C-DAC) | Mr. Sandeep Srivastava | +91 2025 503 245 sandeepk@cdac.in | Field trials | - |
| 6 | M.App Enterprise | Hexagon Geospatial | Ms. Anjul Garg | +91 7838 589 175 anjul.garg@hexagon.com | Field trials | - |

CCTV Equipment

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|---|-----------------------------|--------------------|--|---|---|
| 1 | Under vehicle inspection system (UVIS) DOSMO™ | ASM International | Mr. Evgenii Belkin | 79208991337 belkinen@algont.ru; evilrade@gmail.com | Field trials | Found useful for VIP security & Access control at vital installation. These access control systems with all their components should be trial evaluated by CAPFs |
| 2 | COM-SUR | Hayagriva Software (P) Ltd. | Mr. Ravi Hemmady | 9867267764 ravi@yohaya.com | Concept is relevant. However, needs simplification. | - |

Other Products

| Sr. No. | Product Name | Organisation | Name | Contact details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|------------------------------------|------------------------------------|------------------------|--|---|--|
| 1 | Hand Held Ground Penetrating Radar | Bharat Forge Limited | Col (Retd) GIRISH WAGH | +91 9011 894 562 girish.wagh@bharatforge.com | Field trials | - |
| 2 | Multi-Motion Target System | Jay Robotix Pvt. Ltd. | Mr. Sundeep Rajula | +91 9912 046 844 sundeep@jayrobotix.com | Product is ready for acquisition by law enforcement agencies. | It is a useful training aid for giving firing practice to troops in external / interval environment, especially for applications fire. User may consider it for induction as per their requirement |
| 3 | APCO | Motorola Solutions India Pvt. Ltd. | Mr. Vivek Prakash | +91 8800 475 554 vivek.prakash@motorola solutions.com | Pilot Project | - |
| 4 | Si500 | Motorola Solutions India Pvt. Ltd. | Mr. Vivek Prakash | +91 8800 475 554 vivek.prakash@motorola solutions.com | Pilot Project | - |
| 5 | Mototrbo | Motorola Solutions India Pvt. Ltd. | Mr. Vivek Prakash | +91 8800 475 554 vivek.prakash@motorola solutions.com | Pilot Project | - |

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|----------------|---------------------------|------------------------------------|--------------------|--|---|--|
| 6 | Lex L11 | Motorola Solutions India Pvt. Ltd. | Mr. Vivek Prakash | +91 8800 475 554 vivek.prakash@motorola solutions.com | Pilot Project | - |
| 7 | TETRA | Motorola Solutions India Pvt. Ltd. | Mr. Vivek Prakash | +91 8800 475 554 vivek.prakash@motorola solutions.com | Pilot Project | - |
| 8 | Inviballistic System | Prahar Equicom Pvt. Ltd. | Mr. Rajiv Mathur | +91 9910 179 300 rpm@praharequicom.com | Field trials | The laminate seems useful provided it gives ballistic protection for glasses against 7.62 x 39 mm HSC ammunition (At least). To be evaluated by CAPFs (CRPF /BSF) for ascertaining the veracity of claimed protection level. |
| 9 | Inviblast System | Prahar Equicom Pvt. Ltd. | Mr. Rajiv Mathur | +91 9910 179 300 rpm@praharequicom.com | Not relevant | - |
| 10 | JCI – GAJANAN – BINOCULAR | Jayashree Consulting India | Mr. J DINESH KUMAR | +91 8763 111 169 dinesh@jayashreeconsulting.com | Not relevant | - |
| 11 | JCI-GAJANAN-R-1000LM | Jayashree Consulting India | Mr. J DINESH KUMAR | +91 8763 111 169 dinesh@jayashreeconsulting.com | Not relevant | - |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|---------|------------------------------|---|--------------------|---|--|--|
| 12 | JCI-GAJANAN-AA-370LM-F | Jayashree Consulting India | Mr. J DINESH KUMAR | +91 8763 111 169 dinesh@jayashreeconsulting.com | Not relevant | - |
| 13 | JCI – GAJANAN – SEARCH LIGHT | Jayashree Consulting India | Mr. J DINESH KUMAR | +91 8763 111 169 dinesh@jayashreeconsulting.com | Field Trials | 1000 ML search light, 370 ML search light long range binoculars, he products are proven and supplied to SPOs. The Products come with 02 years of replacement guarantee and all IP67 or above complaint. These products can be evaluated by SPOs for their usage. |
| 14 | Command Max | Business Octane Solutions Private Limited | Mr. Bashar Parvez | +91 9717 997 659 basharparvez@businessoctane.com | Need further development | - |
| 15 | Learner HyperMax | Business Octane Solutions Private Limited | Mr. Bashar Parvez | +91 9717 997 659 basharparvez@businessoctane.com | Need further development | - |

| Sr. No. | Product Name | Organisation | Name | Contact Details | Recommendation of the Screening Committee constituted by BPR&D | Remarks of the Screening Committee constituted by BPR&D |
|----------------|--|-------------------------|------------------------|--|---|--|
| 16 | Bullet Resistant Jackets / Body Armor | MKU | Mr. Sarnath Khandelwal | +91 9717 988 577 Sarnath.khandelwal@mk u.com | Field trials | The Body Armour will have to evaluate by users as per the notified QRs for different levels of protections. |
| 17 | Bullet Resistant Helmet | MKU | Mr. Sarnath Khandelwal | +91 9717 988 577 Sarnath.khandelwal@mk u.com | Field trials | To be evaluated by users as per the notified QRs. |
| 18 | Dual Video X-ray baggage scanner detector | Nuctech India Pvt. Ltd. | - | - | Field trials | Scanner, detectors can be evaluated by SPOs, including Body inspection system (For prisons) |
| 19 | Diagnostic tool for communication systems / radios/batteries | Aimil Ltd. | - | -- | Field trials | These diagnostics tools / devices can be trial evaluator by communication branches of CAPFs (CRPF / BSF / NSG) |
| 20 | Water Mist aerator (WMA) | CFEES, DRDO | - | - | Product is ready for acquisition by law enforcement agencies. | Found very useful, Users may contact for implementation |

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|----------------|--|--|------------------|---------------------------------|---|--|
| 21 | Emergency ESCAPE CHUTE (EFC) | CFEES, DRDO | - | - | Product is ready for acquisition by law enforcement agencies. | Found very useful, Users may contact for implementation |
| 22 | Model FP - 600 | ThirdWave | - | - | Need Modification | - |
| 23 | Model FT – 810 | ThirdWave | - | - | Need Modification | - |
| 24 | Speed Enforcement System | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Need Modification | - |
| 25 | Red Light Violation Detection System | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Need Modification | - |
| 26 | Automatic Traffic Counter And Classifier | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Need Modification | - |
| 27 | You Report | Synergylabs Technology OPC Private Ltd | Mr. Sushil Kumar | 9650510245 sushil@synlabs.io | Need Modification | - |

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|---------|--|-------------------------|-------------------|--|--|---|
| 28 | IMB - IIITD Multimodal Biometrics Tool | IIIT Delhi | Prof Mayank Vatsa | 9654653404 mayank@iiitd.ac.in | Field trials | - |
| 29 | Self Service – Chat Bot | AInetix Private Limited | Mr. Dilip Singh | 9999130578 <u>Dilip.Singh@AInetix.com</u> Royalparinda11@gmail.com | Field trials | Useful solution |