LIST OF OPEN PROPOSALS- R&D SCHEME

APPLICATION WINDOW OPEN FROM 1-10-2022 TO 15-11-2022

FOR DETAILS, VISIT- WWW.USOF.GOV.IN/TTDF

S. No.	Status	Subject of Proposal	Area
1	Open	Collaborative development of disaggregated 5G Radio Access Network solution	5G
2	Open	Collaborative development of Free space optical communication (FSOC) solution	Optical Communication
3	Open	Proposal for Blockchain based solution for mobile theft prevention	Blockchain
4	Open	Development of solution/Product for communication through Li-Fi	Li-Fi Communication
5	Open	Collaborative development of IP KHOSH (a Repository of IP Corpus in 5G)	IP Repository
6	Open	Proposal seeking Solutions for self-correcting Network in telecom	AI Networks
7	Open	Security & Encryption platform based on homomorphic Encryption	Security & Encryption platform
8	Open	Security & Encryption platform based on secure multi party computation	Security & Encryption platform
9	Open	Security & Encryption platform based on Lattice-based cryptography	Security & Encryption platform
10	Open	Development of secure WiFi/ 5G tablet	Wi-Fi and 5G Security
11	Open	Development of Zero Trust Platform for 5G Service Providers	5G Security
12	Open	Development of Low-cost 5G Hand-set	5G Security Device
13	Open	Development of rugged handheld quantum-secure two-way radio communication equipment	Secured Communication Equipment

14	Open	Proposal for detection and prevention of a cyber-threat before it can invade a system.	Cyber Security
15	Open	Proposal for HMI (Human Machine Intelligence) based SOAR solution	Cyber Security
16	Open	Development of 400/800Gbps FPGA Card for IPFIX Flow Generation	Hardware design for FPGA based Application
17	Open	To design and develop a model for fast detection of images from a huge database of 125 crore plus images.	AI enabled use cases applications
18	Open	AI enabled self-networked remotely operated vehicles (ROV)	AI enabled use cases applications
19	Open	Face recognition using drones	AI enabled use cases applications
20	Open	Application for Image quality enhancement of low resolution/ blurry images of faces	AI enabled use cases applications
21	Open	Text to Speech conversion for Indian English and Indian vernacular languages	AI enabled use cases applications
22	Open	File Sanitization Solution (FSS) – Mitigation of malware threats by scanning files, identifying active content, and removing active code.	File Security
23	Open	CBC-RAN Interworking Function for Cell Broadcast Centre (CBC) Integration in TSP Networks	Cell Broadcast /Mobile Tech
24	Open	Interworking of H.323 and legacy Video Conferencing Systems	AI enabled use cases applications
25	Open	Immersive multimedia communication using XR- enhance the current C-DOT secured unified communication solutions for providing an immersive experience.	AI enabled use cases applications
26	Open	Federated architecture based Collaborative Working Platform - Collaborative Working Platform for the government officials and the citizens	AI enabled use cases applications

27	Open	Digital Meeting Assistant (Part of C-DOT AI solutions for in-house use)	AI enabled use cases applications
28	Open	3D Point Cloud based Visual Positioning and Navigation System using LIDAR	Positioning using LIDAR
29	Open	Optimizing location accuracy in a positioning system while minimizing number of BLE (Bluetooth low Energy) Beacons.	Positioning
30	Open	Accurate User Location determination up to 1 meter using LiFi	Positioning
31	Open	Suo Moto	