

Department of Telecommunications

1. Wireless Planning and Coordination (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
76.01	1.	Procurement of vehicle mounted V/UHF terminals for 6 new Wireless Monitoring Stations (WMSs)	1.1. Total nos. of V/UHF mobile monitoring vehicles procured and commissioned	0	1. Mobile monitoring in V/UHF band will be carried out at respective WMS locations at Dehradun.	1.1. No. of Occupancy/vacancy assignments of spectrum bandwidth and frequency interference assignments in V/UHF bands	0
	2.	Procurement of SHF terminals for five IMSs at Delhi, Mumbai, Chennai, Kolkata and Nagpur.	2.1. Total nos. of SHF mobile monitoring vehicles procured and commissioned.	0	2. Mobile monitoring in SHF band will be carried out at respective IMSs of Delhi.	2.1. No. of Occupancy/vacancy assignments of spectrum bandwidth and Frequency interference assignments in SHF bands	0
	3.	Procurement for 5 nos. of Radio Noise measuring equipments for five Radio Noise Survey Units at Delhi, Mumbai, Chennai, Kolkata and Hyderabad	3.1. Total nos. of Radio Noise Measurement Equipments procured and commissioned	3	3. Radio Noise measurements in the 9KHz to 6 GHz frequency band at Delhi, Mumbai, Chennai, Kolkata and Hyderabad.	3.1. No. of conducted Electromagnetic Susceptibility (EMS) and Electromagnetic Interference (EMI) measurements in the 9KHz to 6 GHz	240

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
	4.	Procurement of 28 Radio receivers along with antennas for all the Wireless Monitoring Stations of WMO	4.1. Total nos. of Radio Receivers along with antennae procured and commissioned	0	4. Monitoring and measurements in the 9KHz to 6 GHz frequency band at all the Wireless Monitoring Stations of WMO	4.1. No. of ITU-compliant measurements (such as modulation index, occupied bandwidth, etc.)	0
						4.2. No. of Occupancy/vacancy assignments of spectrum bandwidth and Frequency interference assignments	0
	5.	Procurement of 6 fixed-HF monitoring facility with AMC for 6 new Wireless Monitoring Stations at Dehradun, Lucknow, Patna, Raipur, Bhubaneshwar, Vijayawada	5.1. Total no. of fixed-HF monitoring facility procured and commissioned	0	5. Monitoring and measurements in the 10KHz to 30MHz frequency band at all the respective Wireless Monitoring Stations of WMO	5.1. No. of ITU-compliant measurements (such as modulation index, occupied bandwidth, etc.)	0
						5.2. No. of Occupancy/vacancy assignments of spectrum bandwidth	0
	6.	Procurement of 4 Radio Network Analysis Measurement Equipment with AMC for International Monitoring Station at Delhi, Mumbai, Kolkata and Chennai	6.1. Total no. of radio network analysis measurement equipment procured and commissioned	4	6. Monitoring of network parameters (Cell id, Country Code, Network Code, Basic Station Identification Code, etc) of cellular emissions in the 2G, 3G and 4G bands in the 350 MHz to 3500 MHz	6.1. No. of cellular emissions identified	400
						6.2. No. of assignments of assistance to various users (govt. and private)	400

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
	7. Establishments of various Wireless Monitoring Stations (WMSs) on its own land	7.1. Procurement of land for WMS Lucknow established under 11 th Five Year Plan	Yes	7. Regular radio frequency monitoring assignments and identification of interference related issues	7.1. No. of frequency monitoring assignments carried out	0
		7.2. Procurement of land for WMS Hyderabad	Yes			
		7.3. Procurement of land for WMS Vijaywada	No			
		7.4. Procurement of land for WMS Patna	No			
	8. Construction of office buildings for Wireless Monitoring stations (WMSs) established on its own land	8.1. Percentage completion of construction of office building for WMS Raipur	100%	8. Construction of civil infrastructure will help in secure and safe monitoring as well as the safety of wireless installations	8.1. No. of frequency monitoring assignments carried out	300
		8.2. Percentage completion of construction of office building for WMS Goa	100%			

2. Telecom Computer Emergency Response Team (T-Cert) (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
31.8	1. Deployment of C-DOT IPFIX probe at	2.1. Procurement of Hardware	100%	1. As a national	1.1. No. of ISP gateways covered	30

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
	22 ISP Gateways	2.2. Installation of Hardware, and software for all the locations	100%	Infrastructure, this will enable the traffic Collection from ISP gateways as a first requirement of security analytics and detection of Cyber threats	1.2. No of alerts issued	3,00,000
		2.3. Procurement of MPLS links to setup T-CERT VPN	100%		1.3. No of advisories issued	120
		2.4. Integration and testing with IPFIX application and Internet traffic collected from ISP Gateway	100%			
	2. CERT Data Center Setup - (NoC/SoC)	2.1. Design, specifications and tendering Process for DC Build	100%			
		2.2. DC Design specifications, Tendering, procurement of IT equipment (Servers & Network) and Installation	75%			

3. Telecom Engineering Centre (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
15	1. Establishment of Security Lab	1.1. Commissioning of Lab	100%	1. Commencement of testing of telecom	1.1. No. of certificates issued for NE tested	0

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022- 23
			1.2. Number of types of network elements tested (NE)	0	products		
			1.3. Number of employees trained	5			
	2. Establishment of Access Lab		2.1. Commissioning of Lab	100%	2. Commencement of testing of telecom products	2.1. No. of certificates issued for NE tested	0
			2.2. Number of types of network elements tested (NE)	0			
			2.3. Number of employees trained	0			
	3. Establishment of CPE & TL Lab		3.1. Commissioning of Lab	100%	3. Commencement of testing of telecom products	3.1. No. of certificates issued for NE tested	4
			3.2. Number of types of network elements tested (NE)	4			
			3.3. Number of employees trained	2			
	4. Establishment of EMI/EMC Lab		4.1. Commissioning of Lab	100%	4. Commencement of testing of telecom products	4.1. No. of certificates issued for NE tested	0
			4.2. Number of types of network elements tested (NE)	2			
			4.3. Number of employees trained	2			
	5. Establishment of Safety Lab		5.1. Commissioning of Lab	100%	5. Commencement of testing of telecom	5.1. No. of certificates issued for NE tested	0

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
		5.2. Number of types of network elements tested (NE)	0	products		
		5.3. Number of employees trained	0			

4. Central Equipment Identity Register System (CEIR) (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
13	1. Establishment of CEIR system	1.1. Percentage progress on setting up of system	100%	1. Monitorin g of lost and stolen handsets	1.1. Percentage success in blocking of reported lost /stolen mobile handsets	100%
		1.2. Number of new Local Service Areas (LSAs) covered	19		1.2. Facilitate in tracing of such reported lost/stolen mobile phones by providing traceability data to police authorities (% success)	100%
		1.1. 1.2. 1.3. Percentage progress	100%	2. Monitorin g of mobile phones with fake	2.1. Percentage success in detection of fake and duplicate IMEIs from the Network	100%

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
		on procurement and installation of requisite hardware, software and connecting with all telecom operators			and duplicate IMEI number	2.2. Prevention of services to mobile devices with fake and duplicate IMEIs (% success)	100%
						2.3. Availability of IMEI verification facility for public (% time)	100%

5. Telecom Testing and Certification Centre (TTSC) (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
10	1. Setting up of 5G Security Test Bed at NCCS, Bengaluru ¹	1.1. Sanction of project estimate (% Progress)	100%	1. Capacity building for security testing of 5G network elements / functionalities in India	1.1. Training of Staff (in man-days)	15
		1.2. Physical infrastructure readiness (% Progress)	50%			
		1.3. Procurement of test Equipment (% Progress)	50%			
		1.4. Commissioning of Test Bed (% Progress)	0%			

¹ Proposed project

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
	2.	NCCS Security Certification Portal ²	2.1. Approval of Techno-Commercial Proposal C-DoT	100%	2. Readiness of Security Certification Portal	2.1. Integration with MTCTE Portal and readiness to issue Security Certificate	100%
			2.2. Design, Development, Testing, Deployment and Commissioning of Security Certification Portal	100%			
	3.	Under Existing TTSC Scheme	3.1. Procurement of test tools (in numbers)	4	3. Readiness of labs for security testing of network elements	3.1. Recognition of Test Labs for Security Testing (in numbers)	3
			3.2. Commissioning of test tools (in numbers)	2			
			3.3. Development of ITSARs (in numbers)	20			

6. Technology Development and Investment Promotion (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
9	1.	Funding 5G trials, Use cases, Education awareness etc.	1.1. No of Technology trials	11	1. Implementation of “Making India 5G Ready” report	1.1. No of Use cases /Applications Tested during Technology trial	20

² Proposed project

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
		1.2. Setting up Labs to develop India specific Use cases	2		1.2. No. of use cases identified /demonstrated in the labs	10
		1.3. No of participants under 5G education awareness	200			
	2. Contribution of TSDSI in global standards setting bodies	2.1. Financial support to TSDSI for payment of Annual Membership fees/ charges of ITU, 3GPP and oneM2M (in crore)	1.76	2. Development of Telecom Standards with Indian requirements	2.1. No. of participants in global standards setting bodies	50
	3. National /International Exhibitions/ events	3.1. National /International Exhibitions/ events to enhance Startup/ SMEs participants	3	3. To increase participation of Startup/ MSMEs to showcase India's technological prowess	3.1. No. of Start-up /MSME participated in Conference/Exhibitions/events in India and abroad	100

7. Champion Services Sector Scheme (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
3.5	a.	Setting up of Digital Communication Innovation Square (DCIS)				

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
	1. Promote and support ideas into pilot scale operation, field deployment or viable technology development (product or process) within a definite time frame	1.1. Number of startups, MSMEs funded	38	1. Pilots of innovative ideas converted into full scale operations	1.1. Number of innovative ideas validated by Proof of Concept (PoC)	8
		1.2. Number of incubators/ innovation infrastructures/ academic institutions or programs strengthened	5			
	b. Brand Building of India as telecom manufacturing and services destination					
	1. Showcasing India as Telecom Technology provider by participating in iconic technology events	1.1. Number of National/ International events participated by Indian telecom equipment and service providers	5	1. Showcase Startups/ SMEs and project India as technology supplier	1.1. Number of Startups/SMEs showcased at National/ International events	92

1. Compensation to Service Providers for Creation and Augmentation of telecom infrastructure (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
9,000	a. BharatNet Project					
	1. Gram Panchayats connected with high-speed broadband	1.1. Number of GPs connected through Optical Fibre/Radio/Satellite in the FY (in nos.)	22,000	1. Utilization of BharatNet infrastructure	1.1. Dark Fiber utilization in the FY (in km)	40,000
		1.2. Total km of OFC laid in the FY (in kms)	65,000		1.2. Data Consumption (in TB) (per month)	5,000
		1.3. Number of GPs in which Wi-Fi Access Points installed in the FY (in nos.)	6,000			
		1.4. Total number of FTTH connections in the FY (in nos.)	1,10,000			
	b. Comprehensive Telecom Development Plan (CTDP) for North-Eastern Region					
	1. Provision of 4G based mobile services in Arunachal Pradesh and 2 districts of Assam	1.1. Number of mobile towers installed in the FY	500	1. Availability of 4G based mobile services in Arunachal Pradesh and 2 districts of Assam	1.1. Number of uncovered villages with mobile connectivity provisioned in the FY	750

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23				
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23	
	2.	Provision of 4G based mobile services in Meghalaya	2.1.Number of mobile towers installed in the FY	500	2.	Availability of 4G based mobile services in Meghalaya	2.1.Number of uncovered villages with mobile connectivity provisioned in the FY	650
c. Comprehensive Telecom Development Plan (CTDP) for Islands								
	1.	Provision of 4G Mobile connectivity in uncovered villages and seamless cover age on NH-223 in A&N islands	1.1 Number of mobile towers to be commissioned in uncovered villages in the FY	82	1.	Provision of 4G Mobile connectivity in uncovered villages and seamless cover age on NH-223 in A&N islands	1.1.Number of uncovered villages with mobile connectivity provisioned in the FY	85
			1.2 Number of mobile towers to be commissioned for National Highway in the FY	42				
d. Scheme for Mobile Communication Services in LWE Affected Areas (Phase-II)								
	1.	Provision of Mobile Services in Left Wing Affected Areas (Phase-II)	1.1. Number of mobile towers installed in the FY	2,000	1.	Increase Mobile penetration with upgraded technology in these areas specially to security agencies of MHA etc	1.1.Number of radiating sites in the FY	2,000
e. 354 Uncovered Villages Scheme								
	1.	Provision of Mobile Services in 354 uncovered villages of Ladakh& J&K, border and their priority areas	1.1. Number of mobile towers installed in the FY	100	1.	Covering uncovered villages with mobile service	1.1.No. of villages covered with access to mobile telephony services (in nos. for the FY)	100

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
	f. Aspirational District Scheme					
	1. Provision of mobile service in Aspirational districts	1.1. Number of mobile towers installed in the FY	800	1. Increase Mobile penetration with upgraded technology in Aspirational districts	1.1. Number of villages covered in the FY	1,200

2. Defence Spectrum: Optical Fibre Cable Based Network for Defence Services (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
1,961	1. Laying of OFC	1.1. Total percentage of OFC laid out of total KM OFC laying work that has been executed for the entire project	100%	1. Countrywide secure, Multi service and Multi-Protocol Converged Next Generation Network	1.1. Percentage of OFC links commissioned for the entire project	100%
	2. Placement of Purchase Orders for equipments	2.1. Total percentage of equipment components for which PO placed for the entire project	100%	2. Countrywide secure, Multi service and Multi-Protocol Converged Next Generation Network	2.1. Supply, Installation, Testing & Commissioning (SITC) of various components for the entire	100%

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23			
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
						project (progress in percentage)	

3. Production Linked Incentive Scheme for Promoting Telecom & Networking Products Manufacturing in India (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
527.68	1. Providing incentives to companies	1.1. % Year-on-Year change in sales	20%	1. Increase in production of telecom and networking products in India	1.1. Net value of production of telecom and networking products under the PLI scheme (in Rs crore)	10,000
		1.2. Cumulative investment made under the scheme (in Rs crore)	1,000	2. Increase in export of telecom and networking products in India	2.1. Net value of exports of telecom and networking products under PLI scheme (in Rs crore)	5,000
		1.3. No of MSMEs supported	10	3. Reduction on dependency to import of	3.1. Net percentage of produced goods that are exported (%)	30

				telecom and networking products	3.2. Reduction of imports of telecom and networking products (in Rs crore)	5,000
		1.4. No of global non-MSMEs supported	5	4. Employment opportunity under the scheme	4.1. Total employment generated under the scheme (cumulative)	10,000
		1.5. No of domestic non-MSMEs supported	5			
		1.6. Total value of additional production under PLI scheme (in crore)	10,000			

