



GOVERNMENT OF ANDHRA PRADESH

**INFORMATION TECHNOLOGY, ELECTRONICS AND
COMMUNICATIONS DEPARTMENT**

OUTCOME BUDGET

2019-20

DEMAND NO XXXIX

MEKAPATI GOUTHAM REDDY
MINISTER FOR
INFORMATION TECHNOLOGY, ELECTRONICS AND
COMMUNICATIONS

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Information Technology, Electronics & Communications Department

OUTCOME BUDGET 2019-20

EXECUTIVE SUMMARY

The Outcome Budget 2019-20 broadly indicates physical dimensions of the financial allocations and showcases the actual fiscal performance in 2017-18, performance during the year 2018-19 and the performance targets during 2019-20. The Outcome Budget contains Five (5) Chapters of which brief details are given in the following paragraphs.

Introduction

The Information Technology Wing was created as part of the Finance & Planning (Plg. Wing) Department vide G.O.Rt.No.2125 G.A. (Spl.A) Department dated 09-05-97. During September 2000, the IT,E&C Department was given an independent status. The Department has one HOD i.e., Director, ESD (MeeSeva), one public sector undertaking – Andhra Pradesh Technology Services Ltd (APTS) and (5) other Registered Societies i.e., Society for Andhra Pradesh Network (SAPNET) and Andhra Pradesh Information Technology Academy (APITA formerly IEG) and three (3) new societies have been registered namely 1. Andhra Pradesh e-Pragati Authority, 2. Andhra Pradesh Electronics & Information technology Agency (APEITA), 3. Andhra Pradesh Innovation Society (APIS).

The IT,E&C Department plays a crucial role in policy formulation for IT sector, conceptualizing and initiating various e-Governance initiatives, stipulating standards for compliance, promoting investments in IT sector, facilitating growth of IT/ITeS through proactive measures and providing a strong communication backbone in the State. In order to provide integrated services to the citizens through free flow of information and to usher in good governance, an enterprise architecture called ‘e-Pragati’ has been designed. This enterprise architecture ensures that the IT infrastructure and IT services of all the Government departments are aligned to business strategies and business services through standardization and integration. ‘e-Pragati’ is for a transformational change in the way government services are conceived, designed, delivered & consumed. It has been designed as a tool to provide integrated services to its citizens by adopting a Whole-of-Government approach and to enhance the quality of life of citizens of the State. e-Pragati extends to 33 Secretariat Departments and over 300 Government Agencies in AP. It seeks “one Government” approach and will provide 745 e-Services in the G2C, G2B, G2E, and G2G area and results in “certificate less” governance.

Objective

The main objective of IT,E&C Dept. is to make the benefits of IT available to all citizens and to promote the growth of IT in all fields. The Government is taking various measures to facilitate the establishment of IT/ITeS and Electronics Manufacturing units in the State, so as to contribute to the growth of economic development through IT exports by creating new employment opportunities.

Activities

- Policy formulation: IT/ITeS/IT Infrastructure/GICs/Electronics/Artificial Intelligence/Cloud Hub/ Cyber Security/Animation, Visual Effects, Gaming, and Comics
- Provide Procurement Guidelines for Government Software/Hardware/ Services with Preferential Market Access Policy
- IT Promotion including IT road shows, national and international exhibitions, conferences in coordination with NASSCOM, CII Partnership Summit etc.
- Provide incentives to IT companies including Hardware, Communications, Fintech, ITeS and Startup companies
- IT, Electronics and IoT Promotion till the last mile of the State
- Creation of IT/Electronic layouts in different locations in the State
- Promotion of Electronic Manufacturing Clusters (EMCs)
- Creation of Smart/Safe Cities
- Promotion of one entrepreneur in each family in the State by encouraging students to setup IT companies on “boot-up, start-up, and scale-up” model.
- Creating Centres of Excellence (CoE) for incubation and startups
- Creation of incubation towers for startups, first generation technocrat entrepreneurs, and MSMEs
- Rural Service Delivery Points and e-literacy
- e-Seva, MeeSeva
- Design and enforce IT Architecture
- APNET Ku-Band project
- E-procurement
- e-Governance projects like e-Office, e-Cabinet, Core Dash Board, GOIR etc.
- Single desk portal
- To support Kaizala and Temple Management.
- Provision of Manpower for Business Intelligence and Data Analytics.
- CIOs training across departments
- Infrastructure projects viz., APSWAN/APSDWAN, Video Conferencing Equipment, APSCAN, Evolution of Standards
- AP Online (Joint Venture between Govt. of Andhra Pradesh & M/s Tata Consultancy Services)
- AP State Portal (State Official portal)
- District Portals
- Skill development programmes for Electronics and Hardware manufacturing sector
- Organizing mega job fairs for providing employment opportunities for the educated youth of the State
- Capacity building activities through imparting software trainings in domain knowledge, soft skills, etc.
- Programs to inculcate innovation in young minds
- Encouraging innovative solutions & advanced industry 4.0 technologies among start-ups. Implement cybersecurity measures across departments
- APSAC (Andhra Pradesh Space Application Centre).

Summary of Chapters

- **Chapter-I** provides details of Introduction, Goals & Vision, Organization Structure, Functions, and List of major activities performed by IT,E&C Dept. during 2018-19.
- **Chapter-II** encompasses details about the financial outlays, projected tangible outputs and the explanatory notes for the Schemes that are proposed to be implemented during 2019-20.
- **Chapter-III** highlights the reform measures, and policy initiatives taken by the Department to attract IT investments in the State are also highlighted.
- **Chapter-IV** gives the details of the performance during 2017-18 and 2018-19 for the schemes implemented by the Department.
- **Chapter-V** covers the financial review, overall trends in expenditure; vis-à-vis budget estimates for 2018-2019, revised estimates for 2018-19 and Budget Estimates (BE) for 2019-20.

GOVERNMENT OF ANDHRA PRADESH
Information Technology, Electronics & Communications Department

OUTCOME BUDGET 2019-20

CHAPTER-I

Introduction

Information Technology is recognized as a tool for making the life of citizens convenient and hassle free. The Information Technology, Electronics & Communications (IT,E&C) Department plays a crucial role in (i) Policy formulation in IT & Electronics Sector (ii) Conceptualizing and Implementing various e-Governance initiatives (iii) Stipulating standards for compliance (iv) Promoting Investments in IT/ITeS, Electronics, IT Infrastructure, Fintech, Animation, Gaming & Digital Entertainment Sectors through proactive measures (v) Creating congenial environment for IT Companies to setup their operations in the State (vi) Ensure last mile percolation of benefits of IT in the State and (vii) Providing a strong communication backbone in the State (viii) Capacity Building for IT/ITeS and Electronics Employability (ix) To implement Innovative Technology and Products (x) Develop Incubation Centers and Accelerators (xi) Organize and participate in Domestic and International Exhibitions (xii) Create 'Foreign Desks' to attract Investments (xiii) Digitalization.

Goal & Vision

The vision of Government of Andhra Pradesh is "To develop Andhra Pradesh as a knowledge society of global repute, with a focus on enhancing the quality of life of its citizens, through high-quality Education and Health care, increased productivity in Agriculture and Allied Activities, creation of requisite Employment Potential by promoting Electronics and IT Industries and above all, by providing Good Governance". It seeks "One Government" approach and will provide 745 e-Services in the G2C, G2B, G2E and G2G area and result in "Certificate Less" Governance through e-Pragati.

Government of Andhra Pradesh embarked on implementation of various e-Governance initiatives, to help citizens gain one-stop access to information and services in a secure way and to provide better, efficient, transparent and responsive services, leveraging Information & Communication Technology (ICT) tools. Considering the significant contribution of IT sector to the State's economy, the Government is taking various measures to facilitate establishment of IT, ITeS, and Electronics & IoT units in the State.

Organization

The various divisions of IT,E&C Department are Promotion, Communications, Infrastructure, e-Governance, HRD and Administration. The Department is functioning with one Principal Secretary, assisted by Senior and Middle Level Officers, deputed from other Government Departments or taken from Open Market.

The Department has a linear structure, unlike other Secretariat Departments with individual Officers managing their concerned components/projects.

Functions

Following are the functions of the Department:

- Industry Promotion - IT, ITeS, Electronics and Industry 4.0 Technologies
- E-Governance
 - Citizen services
 - Effective use of IT to enhance efficiency and transparency within the Government
- IT & Communication Infrastructure
 - Providing communication network to all Government Offices
 - Setting up suitable infrastructure to facilitate and sustain the growth of IT Industry as well as successful implementation of e-Governance initiatives
- Human Resources
 - Develop high quality Software Personnel and other Human Resources to sustain the growth of IT Industry
 - Organize trainings for Government Officers and Employees at various levels for effective implementation of e-Governance projects.

Major Programs**1. IT Promotional Activities:****1.1. Major Activities are as follows:**

IT,E&C Department is entrusted with the responsibility of discharging the following duties:

- Investment Promotion in the ICT and Electronic Systems, Design & Manufacturing (ESDM) Sectors
- Promotion of IT/ITeS, Electronics, IoT, ESDM and Fintech in all the major identified regions (Visakhapatnam, Kakinada, Vijayawada, Tirupati, Ananthapuram etc.) This is expected to generate employment for the educated youth, grow the Gross State Domestic Product (GSDP) through augmented domestic and export turnover in IT and Electronics Sectors, and ensure overall & balanced Socio-Economic Development of the State.
- Administration of incentives/subsidies ITeS as per the Triad of Policies, namely IT Policy, Electronics Policy, and Innovation & Startup Policy.
- Providing business opportunities to the industry and showcasing the opportunities to the prospective investors by organizing and participating in Exhibitions, Road Shows & Conferences for enhanced visibility of the State in the IT & Electronics Industry.

1.2. IT Performance during 2018-19:

The IT sector continues to grow in the State of Andhra Pradesh is mainly due to the industry's confidence in the State's Administration and proactive response of the Government in attending to their requirements.

GoAP has inculcated industry 4.0 initiatives such as Robotics, Datalytics, Surveillance, Drones and Sensors etc. in its day to day activities to provide Citizen Centric Governance. More than 12 Lakh IoT Devices and 1 Lakh Biometric

Devices have been installed in sectors such as Agriculture, Energy, Health, Civil Supplies, Education, Social Security, Public Services etc. Further, Drones are increasingly used for Crowd Management, Soil Health, Area Mapping etc. Data analytics is used to predict district level disease profile and drop-out rates in Schools, among others. Inclusion of IT and IoT in Ground Water and Reservoir Monitoring, e-Aushadhi, MeeSeva, e-PDS, Street Lights and Feeder System, etc.

S. No.	Activity	Status
1	No. of IT/ITeS/Fintech Companies actually grounded or started operations or commenced construction.	87
2	No. of prospective IT/ITeS/Fintech Companies investment intentions in pipeline	396
3	Development of IT/DTP Layouts	20 DTP Buildings Operational admeasured to 12,93,538 Sq Ft from 2017.
4	No of one-to-one meetings held/organized with IT CEOs pan India – by CEO, by Principal Secy, IT and Hon'ble Minister IT follow up status thereon	470 IT/ITeS/FinTech: Companies
5	Facilities created for IT Development 1. Improving existing lay outs 2. Provision/upkeep of transport, Lighting, Safety and Convenience 3. Building Infrastructure	IT/ITES: NA
6	No of Foreign Business-IT Delegations visited/ mobilized	IT/ITES: (7) business delegations by AP team (USA, Israel, Japan, Singapore, UK (London), Dubai, Bahrain)

Special incentives are offered to the Industry to enable Promotion and Propagation of the IT Applications to the last mile of the State not only for providing employment but also for overall Socio-Economic Development.

1.3. Incentives and Facilitation:

The following Policies are already in place:

- The AP IT Policy 2014-2020
- The AP Electronics Policy 2014-2020
- AP Innovation and Startup Policy 2014-2020
- AP Global In-House Centers (AP GICs) Policy 2017-2020
- AP DTP Policy 2017-2020
- Integrated Innovation and Technology Policy 2017-2020
- Artificial Intelligence Cloud Hub Policy 2018-2020
- AP Procurement Policy 2015-2020

These Policies were introduced to attract investments in the State. Certain Amendments were made to IT and Electronics Policy for providing employment to the educated youth of the State.

- To attract investments of Rs. 12,000 Cr. in IT and Rs. 30,000 Cr. in Electronics Manufacturing

- To get a 5% share in National Exports of IT Software
- To create an additional direct employment of One (1) Lakh in IT and Four (4) Lakhs employment in Electronics Sector
- To create 10 IT Hubs
- To setup 20 Electronics Manufacturing Clusters
- To set up Manufacturing Clusters for specific domains such as Automotive Electronics, Medical Electronics, and Defense Electronics, among others
- To develop a Mega Electronic Hub in Visakhapatnam
- To enhance Logistics along with Visakhapatnam – Chennai Corridor
- To establish 100 Incubators/Accelerators
- To incubate 5,000 Startup Companies
- To develop 10 Lakhs sft. of Incubation Space
- To mobilize Rs.1,000 Cr. of Venture Capital for Innovation
- To create an Innovation Fund of Funds of Rs.100 Cr. for Entrepreneurs and Businesses
- To take Internet Connectivity at least gigabit to all Villages
- To create one Entrepreneur in every family
- To make at least one-person e-literate in every household

1.4. Electronics Manufacturing Clusters (EMCs):

In order to further augment the growth of the Electronics Sector as a prime growth engine for the Socio-Economic Development of the State and in order to provide State-of-the-Art Infrastructure, GoAP, under its AP Electronics Policy envisaged the development of 20 EMCs across the State.

1.5. IT Infrastructure Development:

- **Development of IT Layouts**

To provide State of the Art Infrastructure to IT investors for setting up operations in the State, IT layouts are being developed at Visakhapatnam, Kakinada-Rajahmundry Region, CRDA, Amaravati, Tirupati and in Ananthapuram Districts.

- **Towers at Visakhapatnam**

Millennium Tower is under final stages of construction wherein 4.61 lakh sft. is proposed in which 3.12 lakhs sft. is IT space & 1.49 lakhs is parking space. In Phase-I Tower – A, plinth area is 1.99 Lakh sft. for IT space and 1.49 lakh sft. of total parking space is completed with estimated cost of 135 Cr. In Phase-II Tower B, an extent of 1.13 lakh sft. IT space is being constructed and expected to be completed during 2019-20.

- **IT Towers by APIIC**

APIIC IT Tower in Mangalagiri with 1 Lakh sft. and another IT Business Center in Tirupati with 51,000 sft. were completed.

- **IT Infrastructure (Plug & Play Office Space) after 2014:**

To facilitate development of the Industry, the dept. has created World Class IT Infrastructure of International standards suitable to the requirements of the IT Industry.

Some of the crucial Infrastructure that is being developed includes:

- **Vishakhapatnam:** 7,77,815 sft. of space available, out of which 4,78,386 sft. is available for plug & play facility with 7,101 Seats, IT Companies are working by occupying 5,893 Seats and the rest 1,208 are available to occupy.
- **CRDA Region:** 2,99,625 sft. of space which provides 4,068 Seats (out of which 671 Seats are available to occupy)
- **Tirupati:** 41,000 sft. of space which provides 849 Seats (of which 81 Seats are available to occupy)
- APEITA is working on identifying ready Office spaces for IT Companies to commence operations in the State.

2. Communications

2.1. Communications Network (APSWAN/APSDWAN):

Under NeGP, united Andhra Pradesh established G-G APSWAN connecting the Secretariat (SHQ) to all District Collectorates (DHQs) with 34 Mbps P2P connectivity and all DHQs up to MHQ PoPs with 8Mbps P2P connectivity in the Vertical Segment. In the Horizontal Segment, various Government Offices have been connected at respective SHQ/DHQ/MHQ with 2/4/8/10 Mbps P2P connectivity. The Network is completely IP based and provides voice, data and video communications to all Government Offices.

Post State Re-organization the SHQ at Hyderabad is being shared by both the States i.e. AP and Telangana. Now in the Vertical Segment, there are dual 34 Mbps P2P connectivity in active-active manner between SHQ and DHQ (13 Nos) and 8 Mbps P2P connectivity between DHQ and MHQ (654 Nos). There are around 2,164 Horizontal Links from 29 Government Departments viz., e-Seva, IGRS, RTA, Revenue, DTA, RTA, MA&UD, MROs, and APGLI etc. Furthermore, 49 RDOs and 3 ITDAs are connected to their respective DHQs. HD Video Conference System is operational at Mandal Level connecting DHQs with SHQ.

As a part of establishing SHQ in AP Proximity and to overcome the issues in the present APSWAN architecture, GoAP is planning for establishment of AP Software Defined Wide Area Network (APSDWAN) for enhanced availability, QoS including application visibility with less expensive links.

3. IT Infrastructure

3.1. Andhra Pradesh State Data Center (APSDC):

In the combined State, Under NeGP scheme, GoAP had created AP State Data Center at 1st Floor, YSR Bhavan, Financial District, Manikonda Village, Gachibowli to cater the Data Centre needs of all the Departments of the State Government. Accordingly, The ITE&C Department had allocated Data Center rack space to several Government Departments free of cost under hosted and co-located models. The capacity was utilized more than 90% and 150+ applications

of GoAP from different Departments have been hosted at APSDC. Subsequent to AP Re-organization, the APSDC is serving both the States i.e., Andhra Pradesh & Telangana with common Server Farms.

As a part of establishing new State Data Centre in the capital area of Andhra Pradesh, APSFL, on behalf of GoAP, has signed a MoU with M/s Pi Data Centers, Mangalagiri with leasing the 100 rack space which is a Tier-IV Data Center. The Network Perimeter Infrastructure for APSDC at Pi Data Center was established and the application's migration from Hyderabad to Amaravati is in progress. The APSDC @ Amaravati proposed to be the Primary Data Center and APSDC at Hyderabad as Disaster Recovery (DR) Site.

Further, APTS commissioned AP Cyber Security Operations Centre (APCSOC) at R&B building, Vijayawada and hosted its infrastructure at APSDC, Amaravati.

4. e-Procurement

Government of Andhra Pradesh has taken up e-Procurement as one of the core e-Governance initiatives. It automates the procurement and purchase procedures of Andhra Pradesh Government starting from demand aggregation to procurement and fulfillment of contract. The basic objective of this project is to use IT tools to introduce best practices in electronic procurement across departments. The prime objectives of e-Procurement are demand aggregation, reduced inventory cost, consistent procurement procedures across departments, reduction in cost of procurement, transparency, and effective tendering processes. The Government issued orders vide G.O.Ms.No.8, IT,E&C Department DT: 08.05.2016 to Go-Live of new version of e-Procurement system for GoAP.

The Government issued G.O. Ms. No. 16, IT,E&C Department Dt: 27.09.2018 to implement the 'Konugolu' portal for providing e-Auction(Forward auction & Reverse auction) services to All Government Departments, PSUs, Societies, Local Bodies and other Institutions of Andhra Pradesh in place of existing platform of M/s MSTC"

During the Financial year 2018-2019, target was set to complete 45,000 transactions with a value of Rs.20,000 Cr. through e-Procurement system. As against this, 90,116 tenders with transaction value aggregating to Rs.127,447Cr. have been completed on e-Procurement platform since 31.3.2018.

5. e-Governance Projects

5.1. e-Office - A digital workplace solution

The e-Office (e-File) product of National Informatics Centre (NIC) has been implemented for conducting office procedures electronically which is expected to increase efficiency of Government functioning at the State level. It is developed as a scale-able product amenable to replication across Governments and departments, both at the Central and State levels. e-Office is being implemented at present up to Gram Panchayat level covering 1,484 Departments in all 13 Districts, 237 State level Offices (83 HODs + 154 AOs/SUs) across the State and 36 Departments in the Secretariat.

5.2. Automatic updating the Website with GO, soon after their issue

The Government has launched a website for availability of G.O.s to general public soon after their issue. The website is www.ap.gov.in/goir.

- GOIR website is working satisfactorily.
- As on 30-6-2019, a total of 9,559 G.Os have been issued for the 2019 and a cumulative of 1,07,407 G.Os have been generated for the period 02-06-2014 to 30-06-2019 through the GOIR website after bifurcation of the State.

5.3. Aadhaar Enabled Biometric Attendance System (AEBAS)

As part of the “Digital AP” initiative, the Government of Andhra Pradesh has decided to implement Biometric Attendance System (BAS) in State Government Offices /Agencies located in AP which may be extended to offices of the HoDs, Zonal offices, Regional offices, District offices, Mandal offices, Village offices and other Government Institutions. The proposed system would enable an employee to register attendance by simply presenting his/her biometric (finger print). This event will be authenticated online after one to one match with the bio-metric attributes stored in the UIDAI data base against the employee’s Aadhaar number.

As on 30th June 2019, in all (36) Secretariat Departments Biometric Attendance System is implemented. Further, AEBAS is being implemented in 86514 out of 95972 HoDs, 621 out of 3970 State Unit offices and nearly 7000 Educational Institutions. Once, the remaining State Unit Offices and 4309 out of 5627 Autonomous organizations get enrolled with General Administration Department, AeBAS shall be implemented.

For Maintenance of Other ongoing e-Governance Projects.

6. Electronic Service Delivery (MeeSeva)

The Government of Andhra Pradesh has taken several initiatives in the arena of e-Governance with a view to take the benefit of Information Technology to the common men.

“MeeSeva” in Telugu means, ‘At your service’, i.e. service to citizens. This is a “Good Governance” initiative that incorporates the vision of National e-Gov Plan “Public Services Closer to Home” and facilitates single entry portal for entire range of G2C & G2B Services. MeeSeva has been conceptualized and planned with the objective to provide universal and non-discriminatory delivery of all government services using Information & Communications Technology entailing transparent government-citizen interface at all levels of governance. MeeSeva is providing faster, easier and transparent access to various G2C & G2B services through more than 10575 kiosks by utilizing Information & Communication Technologies and through MeeSeva App and Online at www.onlineap.meeseva.gov.in for G2C Services and www.esevaonline.ap.gov.in for B2C Services.

The Project brings in a digital PKI enabled integrated architecture through multiple service delivery points by fusing in the various pre-existing state initiatives with the Mission-mode Projects like State Data Center (SDC), State

Wide Area Network (SWAN) and Common Service centers (CSCs) of the National e-Governance Plan (NeGP) of Government of India.

MeeSeva acts as an interface between Citizen and the Government Departments concerned such as Revenue, Civil Supplies, DMA, Agriculture, Collegiate Education, Directorate of Medical Education, Election, Endowment etc. All the documents rendered are digitally signed and electronically verifiable making them tamper proof. The project brings in strict adherence to citizen charter time limits and ushers in a whole new paradigm of across the counter services through massive porting and bulk signing of databases.

MeeSeva currently has 453 high impact services and the project has already completed 12.42 Crores transactions post bifurcation and most of the Government Departments are now on board. The target is to ensure that MeeSeva becomes the entry and exit point for the citizen to approach the government for any service. Besides this, project also delivers more than 20 Crores transactions every year for other services like Bill Payments besides a big range of B2C Services making it the Country's biggest one stop e-Governance shop.

MeeSeva also ended the 'tyranny of ink signatures'. Most of the functionaries ranging from Tahsildars to Police SHOs to Municipal Commissioners have been using the digital signatures to clear MeeSeva requests, making it the Country's largest such System. The process of aligning with MeeSeva has become a guiding philosophy of governance in the State which has come in as a silent wave and with its sweep revamped many moribund processes and approaches. Its effectiveness can be measured in the satisfied eyes of the citizens strengthening the democratic foundations of our Country and bringing citizen centricity to the forefront. With MeeSeva in place, the stage is all set to implement and monitor the impending Right to Services Act in its true letter and spirit.

MeeSeva, a new paradigm in citizen service, provides online transaction processing of payments, issue of certificates, fresh/renewal of permits & licenses and many other services it covers various government departments like SPDCL, EPDCL, Agriculture, Civil Supplies, DMA, Transport, Revenue, Civil supplies, APHB, Police, Intermediate Education, AP Housing Board, etc. And certain services of Private Organizations like IDEA, AIRTEL (Mobile & Landline), AIRCEL, Tata, Vodafone, sale of all CETS application forms, Beam Telecom etc., services of both State Government and Central Government and other Private Agencies.

7. Andhra Pradesh Information Technology Academy (APITA)

APITA is a Society established by Government of Andhra Pradesh replacing the Institute for Electronic Governance (IEG), Hyderabad, a Schedule – X Institution of A.P. Reorganization Act, 2014. The Society was registered on 01-06-2016 and prior to this the activities in Andhra Pradesh have been carried out in the name of “IEG (AP Unit)”.

- The main activities of the organization are:
 - To promote Industry-Academia-Government interaction.
 - To impart training through Industry to produce readily employable Graduates.
 - To bridge urban-rural divide in training and placements.

- To enable e-literacy amongst socially and economically challenged sections of the Society.

In 2018-2019 Academic Year, 346 Colleges (186 Engineering / PG and 160 Degree Colleges) mainly from Tier II and Tier III locations and 31590 Students (including Engineering and Degree Students) in Andhra Pradesh have registered online with APITA at www.apita.ap.gov.in.

8. Society for Andhra Pradesh Network (SAPNET)

SAPNET, a Society under IT,E&C Dept., GoAP is placed in the Tenth Schedule of the Andhra Pradesh Reorganization Act, 2014. It has two Studios and an Earth Station located at Dr. B.R. Ambedkar Open University. The two Studios (Big/Small) are being shared by the two States on time share basis. Government of Telangana is providing service/facilities to the residuary State of Andhra Pradesh under an MOU. As per the MOU, GoAP will pay the proportionate charges (50% as per Agreement between the SAPNET (AP) and SOFTNET (Telangana) to the Telangana Government of the AMC charges for Operation & Maintenance (O&M) of Earth Station and Studio for the service.

SAPNET (AP unit) was registered as Society under AP Societies Registration Act in month of November 2018. After state bifurcation, SAPNET (AP Unit) runs two television channels: AP PRIME TV (renamed MANA TV1) (Playback channel) and MANA TV2 (Live channel). These channels were established with the help of Indian Space Research Organization (ISRO), Department of Space, Government of India for telecasting educational and human development content through Satellite communication in 17MHz Ku-band and is serving all sections of the Society in areas of Education, Health, Agricultural Extension, Women Development, E-Governance, Rural Development, Creating Awareness in Self Help Groups and Community Internet Centers, Human Resources Development, Distance training / Capacity Building, Digital India etc.

SAPNET has acquired 0.70 acres of land through CRDA in Ananthavaram, Tulluru Village, Tulluru Mandal (Amarvati).

SAPNET has made plan to create visual short stories and programmes on all Schemes covered under Navaratnalalu in the Budget year 2019-20.

Indian Space Research Organization (ISRO) has provided a bandwidth of 17MHz Ku-band free of cost.

S. No.	Satellite	From	To
1.	INSAT-3B	November 2000	June 2010
2.	NSS-12	August 2010	February 2012
3.	GSAT-8	March 2012	To date

9. Societies for rapid development of IT/ITeS& Electronic and Innovation Sectors:

Given the advantage of manpower and entrepreneurship available in the region, IT and Electronics sectors have been identified as important growth engines in the State. To achieve the envisaged results in a time-bound and coordinated manner, three (3) Societies were registered in Sep'15 viz., e-

Governance Authority, APEITA and APIS. The activities proposed to be taken up by the Societies are as given hereunder:

9.1. e-Pragati Authority

This Society has been registered with Registrar of Societies Vijayawada bearing registration No.275 of 2015 DT: 28-09-2015 under AP SR Act 2001:

Aims & Objectives:

- Preparing and implementing the policies and frame works required to be put in place, as envisaged in the G.O. MS No.24 Dated: 08.12.2014.
- Designing and implementing a software and hardware architecture for realizing the vision of providing all G2C and G2B services through multiple channels
- Defining a portfolio of G2C, G2B, G2E and G2G services and prioritizing them for implementation.
- Attempt to design a state-of-the-art SDC, taking advantage of emerging technologies such as Cloud (e.g. Megh Raj initiative of Government of India) and the Big Data Analytics.
- Providing internet connectivity to the Villages using fiber optic cables or other technologies.
- Facilitate the undertaking of an extensive government process re-engineering by the line departments so as to make the delivery of services simple, convenient and transparent to the Citizens.
- Redesigning the service delivery infrastructure keeping in view the need for citizen convenience, accessibility, look and feel, branding and financial viability of the service centers.
- Develop a Social Benefits Management System that brings all the benefit Schemes within easy reach of the common man.
- Create a land hub portal, which contains details of all land parcels in the State.

Status:

1. In year 2019-20, envisages engagement with 12 Departments for Digital Transformation of Services, on an average 5 Services in production stage and at least 2 more Services in development stage for each department.
2. Data Analytics- 125+ individual reports, For Year 2019-20, e-Pragati Authority, has planned an enhanced CORE Dashboard and more than 45 Dashboards for Line Departments to improve efficiency.
3. Re-Design and Maintenance of AP State Portal.

9.2. AP Electronics & IT Agency (APEITA)

This Society has been registered with Registrar of Societies Visakhapatnam bearing registration No.733 of 2015 DT: 24-09-2015 under AP SR Act 2001:

Aims & Objectives:

- To create a set of policies relating to Promotion of Electronics & IT as

envisaged in the blueprint document

- To create a set of operating guidelines to implement the above policies
- To take steps for obtaining clearance of GoI for ITIRs to be established in the State
- To explore the potential for establishing electronic manufacturing units and prepare proposals for Electronic Manufacturing Clusters in the State
- To design blueprints for establishing a Mega IT Hub and the IT hubs at strategically selected locations
- To identify the top electronic products/components for which demand exists in the Country and take proactive steps to encourage creation of Intellectual Property (IP) Rights and manufacturing capabilities for those products/ components in AP
- To administer the incentive schemes to be designed and approved for the Electronics sector
- To promote fabless semiconductor industry as a thrust area
- To coordinate with the industry bodies in furtherance of the above objectives
- To identify the areas in which promotion of use of electronics would lead to enhanced productivity, like smart grids, smart meters, low-cost access devices, smart cards etc. and promote investments/ innovation in such areas.

9.3. AP Innovation Society (APIS)

This Society has been registered with Registrar of Societies Tirupati and subsequently transferred to Vijayawada bearing registration No.289/2015 DT: 24-09-2015 under AP SR Act 2001:

This Society was registered under the administrative control of ITE&C Department.

Aims & Objectives:

- Creating an Innovation Policy and Agenda, with focus on Electronics and Information Technology
- Design and establish an Innovation and Transformation Academy for creating a pool of highly talented professionals and entrepreneurs, who can contribute significantly to the development of the State
- Andhra Pradesh has to take advantage of its ground-breaking initiations on the technological front to leapfrog traditional business models, processes and procedures. The innovation required for such leapfrogging in technology sectors would be the responsibility of the Society.
- Nucleating start-up Hubs and providing guidance and support for their growth
- Accelerating the implementation of various Schemes of the GoI for Capacity Building in the ESDM sector.
- Creating and implementing a framework for enhancing the quality of graduates in IT & Electronics, with active collaboration with the Industry
- Launching a knowledge portal as a repository of best practices in e-Governance, IT, and Electronics Sectors
- Designing an innovation driven, futuristic and cost-effective blueprint for information, infrastructure, and systems required for the new capital of Andhra Pradesh.

Achievements for the FY 2018-19:

S. No	Parameter	Achieved
1	Number of Start-ups incubated/ provided with Co-working space	66
2	Number of Start-ups accelerated	19
3	Number of Seminars/Workshops conducted	3
4	Number of Hackathons conducted	2
5	Number of Innovation Expos/events conducted	1
6	Number of Start-ups connected to market	20
7	Number of start-ups promoted across various National & International expos	40

10. Andhra Pradesh State Spatial Data Infrastructure (APSSDI):

Andhra Pradesh Space Applications Centre (APSAC) was transferred from the administrative control of Planning Department in the year 2018. It's main objective is to maintain centralised satellite data bank in digital form for all the districts of Andhra Pradesh. APSAC has been a nodal agency in Geo-spatial needs of all Departments of Government of Andhra Pradesh since its inception. It provides Geo-spatial solutions in identification, evaluation & analysis, management of natural resources of the State, natural hazard management, cadastral level to urban level planning, agricultural Crop type and condition analysis, drought warning, etc. The State Government is effectively using the satellite data and its services.

APSSDI will have organic link with identified line Departments by establishing server-node architecture at State level and will have live link with National Spatial Data Infrastructure (NSDI), and DST-GOI.

11. AP Technology Services Ltd. (APTS)

APTS was incorporated on 17th January 1986 under Companies Act 1956. APTS has been a pioneer in consultancy services to all Departments of Government of Andhra Pradesh since its inception. It provides a distinct thrust for e-Procurement by bringing a new platform for procurement in addition to existing one and it will expand the services provided for online purchases by the State Government.

APTS is a self-sustaining, State owned company without any financial support from the budgetary provisions of State Government. Since its inception, APTS has a successful track record of earning profits through its commercial activities. It acts as the nodal agency for e-Governance initiatives in the State of Andhra Pradesh. APTS provides IT Consultancy, Procurement Services for hardware items, office automation products & system software, application development support, networking & infrastructure support, implementation support to the Government entities for their ICT initiatives and the nodal agency for implementation of AP Cyber Security Policy 2017-2020 and provide Cyber Security related services (including VAPT), as per the needs, by levying charges for the services rendered as prescribed in Government Orders.

Few of the major projects implemented by APTS & projects under process are:

- AP State Resident Data Hub
- Jana Seva Survey (JSS) for Haryana Government
- AP State Wide Area Network (APSWAN) Project
- APSWAN Horizontal Connectivity
- IP Based HD Video Conference facility up to Mandal Headquarters
- AP State Data Centre (APSDC)
- SME & Startup Companies Registration
- AP Secretariat Campus Area Network (APSCAN)
- Temple Management System for Endowments Department
- AP Cyber Security Operating Centre.
- Direct Benefit Transfer (DBT) Portal for AP maintenance

The turnover of APTS (AP Unit) for the year 2018-2019 as per the un-audited Profit & Loss Account is Rs. 24,02.00 Lakhs.

CHAPTER-II
EXPLANATORY NOTE ON STATEMENT OF BUDGET ESTIMATES
STATEMENT OF BUDGET ESTIMATE (SBE)

The Demand/Appropriation-wise Schemes are presented in **Annexure-I**.

In the Budget Estimates for 2019-20, an amount of Rs.453,56.28 Lakhs has been provided to the IT,E&C Department towards Revenue & Capital Budget. Out of this, Rs. 450,37.11 lakhs has been provided to IT,E&C Secretariat Department and Rs. 3,19.17 lakhs to the Director, Electronically Deliverable-Services towards Salaries and Other Office Expenses.

1. IT PROMOTION

The State of Andhra Pradesh is aggressively promoting IT/ITeS and Electronic Sectors in the State for fast track development of these sectors in the State. Towards this pursuit, the State is developing State-of-the-Art Infrastructure in various districts of the State, with special focus on Visakhapatnam. During FY 2018-2019, IT,E&C dept. has completed construction of Incubation Tower of 21,000 sft. in Ananthapuram, 1st phase of Millennium Tower, and development of Kapuluppada IT Park in Visakhapatnam.

The ITE&C department acquired around 7 lakhs sft. of IT office space for promoting IT companies in Visakhapatnam, Amaravati and Tirupati through DTP policy.

IT,E&C Department and APEITA are working on identifying ready office spaces for IT companies, to commence operations in AP under AP DTP Policy 2017- 2020, to create another 5 lakh sft. of IT office space and housing over 10,000 high quality jobs in technology, analytics and core business by March 31, 2020 and hence the budget is required to fulfill the aims and objectives of AP DTP Policy.

Besides this EMCs are required to be made available at reasonable costs to entrepreneurs to develop electronics manufacturing ecosystem in the state.

An amount of Rs.50,00.00 Lakhs is allocated towards achieving all the above infrastructure. Further, an amount of Rs.11.33 Lakhs is allocated for development of IT Infrastructure.

The incentives are extended through AP IT Policy 2014-2020, The AP Electronics Policy 2014-2020, the AP Innovation and Startup Policy 2014-2020, AP Cyber Security Policy 2017- 2020, AP Global In-House Centers (AP GICs) Policy 2017 - 2020, AP DTP Policy 2017-2020, Integrated Innovation and Technology Policy 2017-2020, Artificial Intelligence Cloud Hub Policy 2018-2020, duly bringing amendments to the existing policies to attract investments in the state.

An amount of Rs.100,00.00 Lakhs. is allocated towards awarding incentives.

In order to make Andhra Pradesh as the most preferred IT destination, national and international promotion campaigns need to be conducted through print and electronic media. Budget is also required for printing and publication of promotion literature such as policies, booklets, brochures, pamphlets, leaflets, etc.

An amount of Rs.48.75 Lakhs. is allocated towards Advertisements for Print Media, Electronic Media, Outdoor Advertisement and Sponsorships/ Publicity etc.

A total budget outlay of Rs.155,78.38 Lakhs. has been allocated for the year 2019-2020 under the budgetary heads (other expenditure (500-503) - Rs.11.33 Lakhs; IT Infrastructure (530-531)- Rs. 50,00.00 Lakhs; Incentives (330-334)-Rs.100,00.00 Lakhs; Other Professional Services (280-284) -Rs. 100.00; Contract Services through 3rd party firms (300-304)-Rs.4,00.00 Lakhs.); Payments to Direct Individual Professionals (280-287)-Rs.7.50 Lakhs; Service Based Professional services (280-289) - Rs.10.80 Lakhs and Advertising & Publicity (260-000)-Rs.48.75 Lakhs, towards carrying out IT/Electronics & IT infrastructure promotional activities.

2. COMMUNICATIONS

The Government intends to bridge the digital divide and create an inclusive information society where everyone can create, access, utilize and share information and knowledge to improve their quality of life. Towards achieving this, the Department is taking up the following activities under Communications Wing.

2.1 Internet Bandwidth

Internet Bandwidth is provided to Andhra Pradesh Secretariat from two sources. Also, Internet Bandwidth is provided to State Data Centre. Provision of funds is made in Budget Estimate 2019- 2020.

2.2 AP State Wide Area Network (APSWAN)/APSDWAN:

Andhra Pradesh State Wide Area Network (APSWAN) is the backbone network for data, voice and video communications throughout the State. Under NeGP, united Andhra Pradesh established G-G APSWAN connecting the Secretariat (SHQ) to all District Collectorates (DHQs) with 34 Mbps P2P connectivity and all DHQs up to MHQ PoPs with 8Mbps P2P connectivity in the vertical segment. In the horizontal segment, various Government offices have been connected at respective SHQ/DHQ/MHQ with 2/4/8/10 Mbps P2P connectivity. The Network is completely IP based and provides voice, data and video communications to all Government offices. Post State reorganization the SHQ at Hyderabad is being shared by both the states i.e. AP and Telangana. Now in the vertical segment, there are dual 34 Mbps P2P connectivity in active-active manner between SHQ and DHQ (13 Nos) and 8 Mbps P2P connectivity between DHQ and MHQ (654 Nos). There are around 2,164 horizontal links from 29 government Departments.

Provision is made for bandwidth charges towards leased lines / MPLS for connectivity between APSWAN and State Data Center, SHQ, DHQ, AMC for equipment, tele conference facility, horizontal connectivity and maintenance of APSWAN at SHQ, 13 DHQs, and 654 Mandal Head Quarters. Provision is made for operations of new Network Operations Center (NOC) at IGC Velagapudi.

To overcome the issues in the present APSWAN architecture, it is proposed for establishment of AP Software Defined Wide Area Network

(APSDWAN) for enhanced availability, QoS including application visibility with less expensive links.

An amount of Rs.45,00.00 Lakhs is allocated towards APSWAN (being upgraded to APSDWAN-NaaS).

2.3 AP HD Video Conferencing System

New IP based Mandal level HD Video Conference equipment is operational from 2013 and after warranty the system is in AMC from December 2015 onwards. Provision is made for AMC and replacement of faulty equipment and provision for new equipment and Operations & Maintenance activities of the system.

AP HD Video conferencing System is the two (2) way Video Conferencing facility and It is a studio based Video Conferencing system with HD display made available for all the 13 DHQs, 654 MHQs and the SHQ established by ITE&C department with equipment deployed at MROs, RDOs , ITDAs and collectorates connected through SWAN. Each district is provided with MCU at collectorate and corresponding MROs have been provided with conference end equipment. At SHQ- MCU and global portal have been provided to connect all MHQs and MCUs at DHQs. Simultaneous Video conferences possible from DHQ as well as from SHQ. Any Mobile / Laptop can be connected to the Video conference through internet.

An amount of Rs.4,14.00 Lakhs, is allocated towards Machinery & Equipment Purchases.

A total budget outlay of Rs.51,00.14 Lakhs. has been allocated for the year 2019-2020 under the budgetary heads Internet Charges/Broad Band (130-138)-Rs.35,25.00 Lakhs; AMC Charges Hardware (200-215)-Rs.3,75.00 Lakhs; Other Professional Services (280-284) – Rs. 2,00.00 Lakhs; Contract Services through 3rd party firms (300-304)-Rs.6,00.00 Lakhs and Purchase of Machinery and Equipment (520-521)-Rs.4,14.00 Lakhs allocated for APSWAN and APSDWAN and Video Conference facilities.

2.4 SAPNET

Society for Andhra Pradesh Network (SAPNET) a Society under Information Technology, Electronics and Communications Department, Government of Andhra Pradesh is placed in the Tenth Schedule of the Andhra Pradesh Reorganization Act, 2014. It has two studios and an earth station located at Dr. B.R. Ambedkar Open University. The two Studios (Big/Small) are being shared by the two states on time share basis. Government of Telangana is providing service/facilities to the residuary State of Andhra Pradesh under an MOU. As per the MOU, GoAP will pay the proportionate charges (50%) to the Telangana Government of the AMC charges for Operation & Maintenance of earth Station and studio for the service.

A total budget outlay of Rs.2,66.65 Lakhs has been allocated for the year 2019-2020 under the budgetary heads (Other Grant-in-Aid (310-312)-Rs.1,00.00 Lakhs and Other expenditure (500-503)-Rs.1,66.65 Lakhs towards SAPNET for carrying out all the activities mentioned above.

3 Infrastructure

Under infrastructure, activities include payments towards AMC, FM payment for APSCAN, procurement of additional accessories for network switches and UPS rooms, procurement of server storage, network tools etc., renewal and procurement of licenses viz. Microsoft Exchange, Enterprise Management system of computers, printers, scanners and other equipment to the Departments in AP Secretariat.

In the combined State, GoAP has created a State Data Center of approximately 8,900 sft. in the Financial District to cater to the Data Center needs of all the departments of the State Government. The activities of the State Data Center include provisioning of Hardware and Software for supporting all Govt. Departmental applications being migrated to AP State Data Center, towards additional hardware such as servers, storage, backup and software licenses, Infrastructure and applications Security Audit, IPv6 implementation, requirements for replication with Disaster Recovery Site.

Further, as a part of establishing new State Data Centre in the capital area of Andhra Pradesh, APSFL, on behalf of GoAP, has signed a MoU with M/s Pi Data Centers, Mangalagiri with leasing the 100 rack space which is a tier-IV Data Center. The Network Perimeter Infrastructure for APSDC at Pi Data Center was established and the application's migration from Hyderabad to Amaravati is in progress. The APSDC @ Amaravati is proposed to be the primary site and APSDC at Hyderabad as Disaster Recovery (DR) Site. Further, APTS commissioned AP Cyber Security Operations Centre (APCSOC) at R&B building, Vijayawada and hosted its infrastructure at APSDC, Amaravati. Provision is made for procurement of Hardware and printers etc. for the offices of Ministers, CMO etc., at Interim Government Complex (IGC), Velagapudi. Provision is made for O&M activities at IGC Velagapudi, CM Camp Office, Tadepalli etc.

Provision is made for IT initiatives, Hardware procurement establishment of Networks, Software Development and PMU under SCSP, TSP.

A total budget outlay of Rs.64,13.08 Lakhs has been allocated for the year 2019-2020 under the budgetary heads (Purchase of Machinery equipment 789 SCSP (520-521)-Rs.18,04.40 Lakhs; Purchase of Machinery Equipment 796 TSP (520-521)-Rs.10,56.60 Lakhs; Purchase of Machinery Equipment (520-521)-Rs.20,00.00 Lakhs; AMC Hardware Charges (210-215)-Rs.4,50.00 Lakhs; AMC Software Charges (210-216)-Rs.4,50.00 Lakhs; Other Professional Services (280-284)-Rs. 3,20.75 Lakhs; Contract Services through 3rd party firms (300-304)-Rs.1,31.33 Lakhs and Repairs and Maintenance to Machinery Equipment (500-523)-Rs.2,00.00 Lakhs towards Infrastructure Facilities for Development of IT activities as mentioned above.

4 e-Governance

The vision of the State of AP is to use e-Governance as a tool to provide integrated services to its citizens through free-flow of information and to usher in an era of 'Good Governance'. The department is driving the following existing / upcoming projects:

4.1 e-Office

e-Office is being implemented in 33 departments of Secretariat, 13 Districts (Up to GP level) 236 State level Offices (83HoDs + 153 AOs). Efforts are under way to roll out e-Office in pending HoDs/AOs across the State. Budgetary provision has been made to meet the maintenance cost and for roll out of e-Office in the remaining departments in the districts.

4.2. Aadhaar based Biometric attendance system in all educational institutions

Time and attendance monitoring are important in educational institutions. Regular and punctual presence of students/faculty improves the quality of education and thus facilitates meeting the objectives of the education programs. The GoAP has mandated biometrics-based time and attendance monitoring in all Government offices, educational institutions in view of its benefits.

This Bio-metric data-based time and attendance monitoring system has been developed by NIC. Budget provision has been made for the same for maintenance.

4.3 Development of new applications: Budget provision is made for development of new applications and portals.

4.4 Maintenance of the ongoing projects: Maintenance of AP State Portal, APIT websites, GoIR, portals and other applications

A total budget outlay of Rs.8,50.00 Lakhs has been allocated for the year 2019-2020 under the budgetary heads Other Professional Services (280-284) – Rs.1,00.00 Lakhs; Contract Services through 3rd party firms (300-304) - Rs.7,50.00 Lakhs towards e-Governance Projects.

5 Direction and Administration

An amount of Rs.645.95 Lakhs is allocated for the financial year 2019-2020 towards implementing and maintaining the existing Programs/Schemes under the following head of accounts.

- 280-284 Other Professional Services - Rs. 50.08 Lakhs
- 300-304 Contract Services through 3rd party firms –Rs. 349.92 Lakhs.
- 010-011 Salaries – Rs.2,13.96 Lakhs.
- 110-111 TA – Rs.5.36 Lakhs.
- 120-121 FTA – Rs.8.00 Lakhs.
- 130-131 Service Postage, Telegram & Telephone Charges – Rs.6.52 Lakhs.
- 130-132 Other Office Expenses – 1.31 Lakhs
- 130-134 Hiring of Private Vehicles – 6.66 Lakhs
- 130-135 Consumables/Stationery – 2.33 Lakhs
- 130-137 Administrative Expenses – 0.38 Lakhs
- 130-138 Internet Charges / Broadband – 0.38 Lakhs
- 130-139 Mobile Services/Call Charges – 0.75 Lakhs
- 240-000 Petrol Oil and Lubricants – 0.10 Lakhs.
- 310-318 Obsequies Charges – 0.10 Lakhs
- 510-511 Maintenance of Vehicle – 0.10 Lakhs.

6 Societies for rapid development of IT/ITeS& Electronic Sectors

6.1 e-Pragati Authority (ePA)

e-Pragati which is a State wide Enterprise Architecture, is the largest e-Governance program approved by any state with a total outlay of Rs. 2,398 Cr. out of which the Government Capex would be to the extent of Rs. 1,528 Cr. over a span of three (3) years. The program is being driven by e-Pragati Authority. AP State Enterprise Architecture enables a systematic and holistic development of a portfolio of e-Governance projects to the stakeholders. The initiative has been named as “e-Pragati” to signify that the program is intended to create an ecosystem enabling integration and interoperability of all the development and welfare departments of the Government towards realizing the vision of Sunrise AP 2022. e-Pragati also enables design and delivery of services in a coordinated, integrated, efficient and equitable way.

e-Pragati is a massive program covering 33 departments and 315 agencies and around 745 services have been identified so far. The services have been grouped into 72 projects (45 Greenfield and 27 Brownfield) and bundled into 14 packages for ease of procurement and implementation. The design phase of the program is almost completed. The RFPs for 14 packages are planned to be issued.

A total budget outlay of Rs.90,09.33 Lakhs has been allocated for the year 2019-2020 under the budgetary head- Grants-in-Aid towards Salaries (310-311)-Rs.20,39.33 Lakhs and Other Grants-in-Aid (310-312)-Rs.69,70.00 Lakhs towards above activities.

6.2 AP Innovation Society (APIS)

The Society is primarily responsible for enhancing the Innovation Index of the state and take up different activities such as:

- Maintenance of Four Incubators at Visakhapatnam, Tirupathi, Kakinada and Anantapur including the hi-speed internet
- Setting up of Center of Excellence for IoT technology
- Setting up a sustainable development goals center
- Drones research, Incubation and Manufacturing
- Technical infrastructure required for startup encouragement
- Conducting seminars, Exhibitions, Tours etc.
- Innovation promotion activities

A total budget outlay of Rs.20,00.00 Lakhs has been allocated for the year 2019-2020 under the budgetary head- Other Grants-in-Aid (310-312) towards above activities.

6.3 AP Electronics & Information Technology Agency (APEITA)

The Society will operate from Vijayawada and shall drive the development of Vishakhapatnam as an IT Hub. It's activities include:

- Marketing “India’s Sunrise State” brand for attracting investments in IT, Electronics & Hardware Manufacturing Sectors through outreach on a national and international level

- To administer the incentives under IT Policy, Electronics & Hardware policies
- Provision of physical infrastructure facilities such as Water, Roads, Power, Telecom Bandwidth facilities up to IT Hubs/EMC layouts and within the layouts for offering Plug-and-play facilities.
- Construction of IT Towers for providing Built-up space of International standards for IT companies.
- Development of IT Investment Regions/Electronic Manufacturing Clusters with certain funding towards provision of external infrastructure from GoI. Budget provision for the State share has been made under the new Scheme.
- Promote Vishakhapatnam as the “FinTech Valley”

A total budget outlay of Rs.30,00.00 Lakhs has been allocated for the year 2019-2020 under the budgetary head Grants-in-Aid towards Salaries (310-311)-Rs.1,83.06 Lakhs and Other Grants-in-Aid (310-312)-Rs.28,16.94 Lakhs towards above activities.

7 AP Information Technology Academy (APITA)(IEG)

APITA was established on 01-06-2016 in place of Institute for Electronic Governance (IEG)/JKC, a Schedule-X Institution of A.P. Reorganization Act, 2014. The academic activities of the Society run in the name of “Amaravati Knowledge Centers”.

The major objectives of APITA are:

- Support capacity building initiatives of ITE&C Department.
- Develop and offer courses in IT, Electronics and Communications in collaboration with industry.
- Bridge the urban rural divide in producing industry ready graduates.
- Provide conducive environment for learning through value addition programs.
- Promote a culture of Research and Development in IT, Electronics and Communications.
- Facilitate e-governance through oriented programs for state government employees.
- Offer consultancy support in capacity building programs.
- Collaborate with Industry, Educational and Research Institutions for the promotion and development of e-governance.

A total budget outlay of Rs.8,33.33 Lakhs has been allocated for the year 2019-2020 under the budgetary head- Other Professional Services (280-284)-Rs.3,33.30 Lakhs and Payments to Direct Individual Professionals (280-287)-Rs.5,00.03 Lakhs towards above activities.

8 MeeSeva

The Government of Andhra Pradesh has taken several initiatives in the arena of e-Governance with a view to take the benefit of Information Technology to the common man. eSeva, one of the e-Governance initiatives, offers a wide spectrum of citizen-friendly services to serve citizen in an efficient, reliable, transparent and integrated manner on a sustained basis though an easy access

through a chain of computerized Integrated Citizen Service Centers (ICSCs) now called as MeeSeva and providing faster, easier and transparent access to various G2C & G2B services through more than 10,557 kiosks by utilizing Information & Communication Technologies and through MeeSeva App and Online at www.onlineap.meeseva.gov.in for G2C services and www.e sevaonline.ap.gov.in for B2C services.

The provision is made for online transaction for processing of payments, issue of certificates, fresh/renewal of permits & licenses and many other services it covers various government departments like SPDCL, EPDCL, Agriculture, Civil Supplies, DMA, Transport, Revenue, Civil supplies, APHB, Police, Intermediate Education, AP Housing Board, etc. And certain services of Private Organizations like IDEA, AIRTEL (Mobile & Landline), AIRCEL, Tata, Vodafone, sale of all CETS application forms, Beam Telecom etc., services of both State Government and Central Government and other private agencies.

A total budget outlay of Rs.1,26.39 Lakhs has been allocated for the year 2019-2020 under the budgetary head- Other Professional Services (280-284)-Rs.31.39 Lakhs and Payments to Direct Individual Professionals (280-287)-Rs.95.00 Lakhs towards above activities.

9. APSAC

Andhra Pradesh Space Applications Centre (APSAC) was transferred from the administrative control of Planning Department in the year 2018. Its main objective is to maintain centralised satellite data bank in digital form for all the districts of Andhra Pradesh. APSAC has been a nodal agency in geospatial needs of all Departments of Government of Andhra Pradesh since its inception. It provides Geo-spatial solutions in identification, evaluation & analysis, management of natural resources of the state, natural hazard management, cadastral level to urban level planning, agricultural Crop type and condition analysis, drought warning, etc. The State Government is effectively using the satellite data and its services.

APSAC is providing technological help to several major initiatives of Government like "Navaratnalu", Hydrological Modeling, Capacity Building, Mobile Applications Development, Web Applications Development, Lidar Survey (2units), 3D Modelling, Architecture (IT), GPRS, Coastal Erosion and Mangrove vegetation assessment in parts Krishna Delta using UAV and HR satellite data, Rabi crop condition assessment using time series data, Crop type and condition analysis using UAV data (R&D) etc. An amount of Rs.1200.00 lakhs is estimated in the budget for the year 2019-20.

A total budget outlay of Rs.12,00.00 Lakhs has been allocated for the year 2019-2020 under budgetary Head Other Grants-in-Aid (310-312) towards above activities.

The Total Demand XXXIX under Revenue and Capital allocated for Information Technology and Communications Department is Rs.450,37.11 Lakhs for the financial year 2019-2020. The details are indicated at Annexure-I.

ANNEXURE - I

CHAPTER-II – OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Processes/Timelines	Remarks/Risk Factors
			Revenue	Capital				
1	2	3	4 (i)	4 (ii)	5	6	7	8
I.	Direction & Admin	Salaries , Maintenance of Office Automation etc.,	645.95					
II.	IT Projects							
A.	Promotions	Attracting investments, Percolation of IT across AP incentives and subsidies for the ICT& Electronic units, development of IT Infrastructure through DTP Policy and conducting of roadshows Exhibitions and Conferences – Advertisements and publicity expenses. Providing IT corridors, roads, power supply to develop IT Parks and other Infrastructure facilities for SEZs			<ul style="list-style-type: none"> It is proposed to acquire additional 5 lakhs sft., of IT office space for promoting IT companies in Visakhapatnam, Amaravati, Tirupati and Ananthapuram and other cities and to develop 600 acres IT layout in Kapulappada - Vizag and 500 acres IT layout in Amaravati etc., The EMC-2 spanning over 501.42 acres developed in Tirupati should be made available at reasonable costs to entrepreneurs to develop Electronics Manufacturing in the State. Incentives are extended through the IT Policy, Electronics Policy after amendments, Innovation & Start-up Policy 2014-20, DTP Policy, IIT Policy, GIC Policy, Andhra Pradesh Artificial Intelligence Cloud Hub Policy 2017-2020to the existing policy to attract investments in the State. 	Establishment of more IT/ ITES/ESDM Companies and increased employment opportunities and Investments, besides spread of IT to all districts in the State.	Continuous Processes	No Risk factor
		MH 090 -280-284	1,00.00					
		MH 090 -300-304	4,00.00					
		MH 090 -280-287	7.50					
		MH 090 -280-289	10.80					
		MH 090- 260-261	11.25					
		MH 090- 260-262	22.50					
		MH 090 - 260-263	7.50					
		MH 090 - 260-264	7.50					
		MH 090 - 330-334	100,00.00					
		MH 800 – 500-503	11.33					
		MH 800 – 530-531	-	50,00.00				
		TOTAL	105,78.38	50,00.00				

ANNEXURE - I

CHAPTER-II – OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Processes/Timelines	Remarks/Risk Factors
			Revenue	Capital				
1	2	3	4 (i)	4 (ii)	5	6	7	8
					<ul style="list-style-type: none"> Promotional Campaigns need to be conducted within India and across the globe in Print and Electronic media. Professional charges towards professional consultancy services like preparation of feasibility reports, for printing and publication of IT promotion literature such as policies, booklets, brochures, pamphlets, leaflets, etc., 			
B.	Communications	To establish back bone Network for Voice, Data and Video Communications throughout State Connecting the areas of Secretariat, District Collectorates, Mandal Headquarters etc. with APSWAN/APSDWAN. Establishing Two Way Video Conference system for State level officials and District level officials to have Video Conference with Mandal Level Officials.			<ul style="list-style-type: none"> Provision of Bandwidth charges for Connectivity between APSWAN and State Data Center, SHQ, DHQ, AMC for equipment, Tele Conference Facility, Horizontal Connectivity and Internet Bandwidth to Secretariat, Maintenance of APSWAN and 13 DNCs, Secretariat and 669 Mandal Head Quarters Links to the Aadhaar data & BSNL Services. For O&M and Maintenance of Mandal level VC equipment connectivity SHQ with 13 DHQs and 669 MHQs, 49 RDOs, 3 ITDAs and all 	Increased access to Communication Network for all Govt., Dept. offices spread across the Andhra Pradesh State for e-gov applications and Video Conferencing increased utilization.	Continuous Processes	No Risk factor
		MH 800-13-520-521		4,14.00				
		MH-090-46-130-138	3525.00					
		MH-090-46-200-215	375.00					
		MH 090-280-284	200.00					
		MH-090-46-300-304	600.00					
		TOTAL	47,00.00	4,14.00				

ANNEXURE - I								
CHAPTER-II - OUTCOME BUDGET 2019-20								
S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 - 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Processes/Timelines	Remarks/Risk Factors
			Revenue	Capital				
1	2	3	4 (i)	4 (ii)	5	6	7	8
					HODs across the State on APSWAN.			
C.	Infrastructure	For FM&AM of APSCAN, IPv6 Enablement, Security Audit of Infrastructure and Web applications, for Software license and Renewals. For Hardware and Software for APSCAN and AP State Data Centre. For infra requirements for building APSDC. For preparatory works for new APSDC to be built in new capital area.			<ul style="list-style-type: none"> AMCs, operations and Facility Management for APSCAN, upgradation of Data Center Servers. Procurement of hardware servers and network components including storage (SAN) etc. Provision is made for IT initiatives, Hardware procurement establishment of Networks, Software Development and PMU under General, SCSP and TSP. 	Enhanced capacity and increased efficiency of servers and storage. Availability common IT Infrastructure facilities under General, SCP and TSP.	Continuous Processes	No Risk factor
		MH 090-210-215	4,50.00					
		MH 090-210-216	4,50.00					
		MH 090-280-284	3,20.75					
		MH 090-300-304	1,31.33					
		MH 800-520-521	-	20,00.00				
		MH 789-520-521 SCSP	-	18,04.40				
		MH 796-520-521 TSP	-	10,56.60				
		MH 090-500-523	2,00.00					
		TOTAL:	15,52.08	48,61.00				
D.	Other e-Gov. Projects	District Portals, State Portal, Maintenance of e-Office, e-Cabinet, AeBAS, Biometric Attendance system in AP Secretariat, GOIR etc.,			<ul style="list-style-type: none"> Automation and Maintenance of e-Governance projects like, GOIR, e-office, District Portals, APIT and AP State Portal. 	Maintenance of e-Office, GoIR, AeBAS and other e-Gov applications.	Continuous Processes	No Risk factor
		MH 090-280-284	1,00.00					
		MH 090-300-304	7,50.00					
		TOTAL:	8,50.00					
E.	Direction & Admin	Towards Payments of salaries, other office expenses, consumable stationery,			<ul style="list-style-type: none"> Salaries of Contract/Outsourcing 	Travel expenses, office expenses and	Continuous Processes	No Risk factor

CHAPTER-II – OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Process/Timelines	Remarks/Risk Factors
			Revenue 4 (i)	Capital 4 (ii)				
1	2	3	4 (i)	4 (ii)	5	6	7	8
		administrative expenses, Internet charges/broadband, mobile service / call charges, obsequies charges, service postage, Telegram & Telephone charges traveling expenses, TA bills - towards professional services etc.			Staff/Officers, Travel expenses, Office expenses and other payments	other payments.	s	
		MH 090-22-010-011	213.96					
		MH 090-11-110-111	5.36					
		MH 090-11-120-121	8.00					
		MH 090-11-130-131	6.52					
		MH 090-22-130-132	1.31					
		MH 090-22-130-134	6.66					
		MH 090-22-130-135	2.33					
		MH 090-22-130-137	0.38					
		MH 090-22-130-138	0.38					
		MH 090-22-130-139	0.75					
		MH 090-22-240-000	0.10					
		MH 090-22-310-318	0.10					
		MH 090-22-510-511	0.10					
		MH 090-22-280-284	50.08					
		MH 090-11-300-304	3,49.92					
		TOTAL:	645.95					
F.	e-Pragati	MH 090-43-310-311	20,39.33		<ul style="list-style-type: none"> In year 2019-20, envisages engagement with 12 Departments for Digital Transformation of services, on an average 5 services in production stage and at least 2 more services in development stage for each department. Data Analytics - 125+ 	<ul style="list-style-type: none"> Digital Fisheries activities Database Livestock Productivity tracking Veterinary hospital Manageme 	Continuous Processes	No Risk factor
		MH 090-43-310-312	69,70.00					

CHAPTER-II - OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 - 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Process es/Tim elines	Remark s/Risk Factors
			Revenue 4 (i)	Capital 4 (ii)				
1	2	3	4 (i)	4 (ii)	5	6	7	8
					individual reports, For Year 2019-20, e-Pragati Authority, has planned an enhanced CORE Dashboard and more than 45 Dashboards for Line Departments to improve efficiency. • Re-Design and Maintenance of AP State Portal.	nt. • Works Management Systems • Sainik Welfare Services • Sports		
		TOTAL	90,09.33					
G.	APEITA	MH 090-45-310-311	1,83.06		• During FY 2018-19, AP Electronic & IT Agency 6 DTP buildings have been rented for IT companies. Total of 5091 seats created 4291 new employments created. IIDT has started functioning in Tirupati with 53 Students studying Cyber Security and Data Analytics. Under the umbrella of Fintech, one Hackathon was organized with an approximate participation of 400 teams.			No Risk factor
		MH 090-45-310-312	28,16.94					
		TOTAL	30,00.00					
H.	APIS	MH 090-44-310-312	20,00.00		• Maintenance of Four Incubators Visakhapatnam, Tirupati, Kakinada and Anantapur. • Setting up of project for	• Start-up nucleation will be enhanced • Comprehensive support	Contin uous proces s	

CHAPTER-II – OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Processes/Timelines	Remarks/Risk Factors
			Revenue 4 (i)	Capital 4 (ii)				
1	2	3	4 (i)	4 (ii)	5	6	7	8
					sustainable development goals center Drones research, Incubation and Manufacturing. <ul style="list-style-type: none"> • Technical infrastructure required for startup encouragement. • Conducting seminars, Exhibitions, tours, etc. • Innovation promotion activities. • Promoting Social Entrepreneurship across the state. 	system will be built for technology start-ups <ul style="list-style-type: none"> • Grass root innovations and Rural enterprises will be nurtured and transformed into scalable business entities • Market access for start-ups with a Pan-Indian appeal will get materialized 		
I.	APITA/JKC	Andhra Pradesh Information Technology Academy (APITA) has been established on 01-06-2016 in place of Institute for Electronic Governance (IEG), a Schedule-X Institution of A.P. Re-organization Act, 2014. The academic activities of the Society run in the name of “Amaravati Knowledge Centers (AKC)”.			<ul style="list-style-type: none"> • Registration of Engineering, Degree and Technical Colleges with APITA and training students on employable skills by implementing innovative training programs in emerging technologies 	Enhanced employment opportunities to the degree/ engineering and polytechnic students in IT/ITES/Electronics sector.	Continuous Processes	No Risk factor
		MH 800-280-284	3,33.30					
		MH 800-280-287	5,00.03					
		Total :	8,33.33					

CHAPTER-II – OUTCOME BUDGET 2019-20								
S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. in Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Process/Timelines	Remarks/Risk Factors
			Revenue	Capital				
1	2	3	4 (i)	4 (ii)	5	6	7	8
J.	SAPNET	To harness the potential of IT a Satellite based Communications Network established to be utilized in the areas of Distance Education, Tele-Medicine, Agricultural Extension, e-Governance, Awareness amongst Self Help Groups and Human Resource Development through SAPNET up gradation of earth stations equipment.			<ul style="list-style-type: none"> Andhra Pradesh State share towards O&M payments for earth station, studio for play out and operational expenditures of SAPNET. Existing Earth Station up gradation and Studio equipment replacement. Proposed to have 2 new Studios at Vijayawada connecting with Fiber link of 10 Mbps from Hyderabad Earth Station to Vijayawada. 	Satellite based Communication s Network in the areas of Distance Education, Tele Medicine, Agricultural Extension, e-Governance Awareness	Continuous Process	
			MH 090-22-310-312	1,00.00				
			MH800-08-500-503	1,66.65				
		Total	2,66.65					
K.	APSAC	Andhra Pradesh Space Applications Centre (APSAC) was transferred from the administrative control of Planning Department in the year 2018. It's main objective is to maintain centralised satellite data bank in digital form for all the districts of Andhra Pradesh. APSAC has been a nodal agency in geospatial needs of all Departments of Government of Andhra Pradesh since its inception. It provides Geo-spatial solutions in identification, evaluation & analysis, management of natural resources of the state, natural			<ul style="list-style-type: none"> Provide technological help to several major initiatives of Government like "Navaratnalu", Hydrological Modeling, Capacity Building, Mobile Applications Development, Web Applications Development, Lidar Survey (2 units), 3D Modelling, Architecture (IT), GPRS, Coastal Erosion and Mangrove vegetation assessment in parts 	APSAC provides Geo-spatial solutions in identification, evaluation & analysis, management of natural resources of the state, natural hazard management, cadastral level to urban level planning, agricultural Crop type and	Continuous Process	

CHAPTER-II – OUTCOME BUDGET 2019-20

S. No.	Name of the Scheme/ Programme	Objectives / Outcomes	Outlay 2019 – 20 (Amount Rs. In Lakhs)		Quantifiable Deliverables / Physical Outputs	Projects Outcomes	Processes/Timelines	Remarks/Risk Factors
			Revenue	Capital				
1	2	3	4 (i)	4 (ii)	5	6	7	8
		hazard management, cadastral level to urban level planning, agricultural Crop type and condition analysis, drought warning, etc. The State Government is effectively using the satellite data and its services. MH-3425-60-200-11-46-310-312	12,00.00		Krishna Delta using UAV and HR satellite data, Rabi crop condition assessment using time series data, Crop type and condition analysis using UAV data (R&D) etc.	condition analysis, drought warning, etc. The State Government is effectively using the satellite data and its services.		
		Total	12,00.00					
L.	e-Seva	MH-090-09-280-284	31.39					
		MH-090-09-280-287	95.00					
		Total	126.39					
		Total IT,E&C Dept.,	347,62.11	102,75.00				
M.	Electronic Service Delivery (MeeSeva)	For Implementation of MeeSeva Centers-Machinery equipment purchases – Postage, telegrams, MeeSeva implementation etc. The objective of the MeeSeva project to deliver G2C and B2C to citizens by designated kiosks by Authorized agents using database digitally signed by competent Authorities. MH 092 MH 5475-800-12-520-521	3,14.17	5.00	<ul style="list-style-type: none"> • Availability of Electronic Service Delivery (MeeSeva) • Providing online transaction processing of payments. 	Provision of online transaction for processing of payments, issue of certificates, permits & licenses, bill payments to IDEA, Tata, Airtel etc.,	Continuous Processes	No Risk factor
		Total:	3,14.17	5.00				
		Grand Total:	350,76.28	102,80.00				
		Grand Total (Revenue+ Capital):	453,56.28					

CHAPTER-III
REFORM MEASURES AND POLICY INITIATIVES

1. IT Promotion and Policy

In order to achieve the objective of promotion of IT, ITeS, Electronics as a prime growth engine for employment generation and overall socio- economic development of the State of Andhra Pradesh, the Government after due consideration has put in place a Triad of Policies, namely, IT Policy, Electronics Policy and Innovation & Startup Policy.

Further to enable IT & Electronics companies to set up, sustain, function and grow their operations in an investment-friendly, proactive, conducive and hassle free environment in the State the Government has also pronounced certain incentives and facilitation measures in the said policies as per the Government Orders released from time to time given below keeping various Policies to attract Fortune 500 companies operating in the domain of Industry 4.0 thereby creating high end jobs.

- a. G.O.Ms.No.13, ITE&C dept., DT: 22.09.2016 AP IT Policy 2014-2020
- b. G.O.Ms.No.21, ITE&C dept., DT: 22.09.2016 AP IT Policy 2014-2020 (Amended)
- c. G.O.Ms.No.20, ITE&C dept., DT: 22.09.2016 Electronics Policy – 2014-2020 (Amended)
- d. G.O.Ms.No.17, ITE&C dept., DT: 09.09.2014 Innovation & Start-up Policy 2014-2020
- e. G.O.Ms.No.7, ITE&C dept., DT: 06.06.2017 Global In-House Centers (GICs)
- f. G.O.Ms.No.10, ITE&C dept., DT: 25.07.2017 DTP Policy 2017-2020
- g. G.O.Ms.No.23, ITE&C dept., DT: 06.12.2017 Integrated Innovation and Technology Policy 2017-20
- h. G.O.Ms.No.4, ITE&C dept., DT:31.01.2018 Artificial Intelligence Cloud Hub Policy 2018-2020

GoAP approved the most progressive and investor friendly policies and amended certain incentives. Salient features of these policies are as below:

- Focus on enhancement of technical education, update syllabus in the Technical institutes to meet the industry standards, accrediting online courses, and improving e-literacy with industry participation.
- Develop the infrastructure in the form of IT Towers, IT Parks and IT Zones by adopting a transparent PPP model.
- Sub – leasing of the space created for IT employment, in IT Layouts/IT Towers to synergize collaborations and enhance IT employment.
- A highly empowered “Single Window Clearance Unit” proposed to be created and operationalized for granting approvals & clearances.
- Deemed approval, if the required approval is not granted within 4 weeks from date of application.
- An empowered Mission for Electronics & IT Promotion to give a fillip to the development of the sector and take faster and agile decisions.
- To make one-person e-literate in every household in partnership with the industry

2. INDUSTRY FACILITATION

CCITI: An empowered 'Consultative Committee for the IT Industry' would be formed with the representatives of industry and the other stakeholders. The CCITI would administer the incentives in a speedy, time-bound and transparent manner.

IT/ITeS Units/Companies and non-hazardous hardware manufacturing industry are declared as essential service under **AP Essential Services Maintenance Act.**

- IT Industry is declared as essential service under AP Essential Services Maintenance Act.
- For Start-up Companies Innovation Fund and Venture Capital Funding is made available. They are also assisted for getting working capital and Term loans from financial institutions.
- In order to suit the requirements of IT Industry a Skill Development Council is being set up viz., IIDT, NIELIT are setup
- The students' curriculum is also being brought on international standards by offering them credits to online courses and by upgrading the syllabus in tune with the Industry trends.
- Government permits women employees in IT Companies to work in shifts and on holidays to suit overseas clients' Time Zones.
- All approvals and permits that are required for setting up and running IT operations are given within one month under Single Window Scheme and Deemed Approval is given beyond one month.
- IT companies can file Application for land or incentives online at www.apmeeseva.online.ap.gov.in
- All IT Layouts are declared as Industrial Area Local Authority and APIIC maintains the Layouts and performs local body functions for the convenience of IT companies.

With a view to jump –start the start-up ecosystem in the State of Andhra Pradesh, Reputed pilot Incubator (Host Institute), with are approved by National science and Technology Entrepreneur Development Board, Dept., of science & Technology, Govt., of India, will be selected on nomination basis & non-exclusive basis to setup a pilot Incubators under Public Private partnership model.

- Consolidated AP IT Policy 2018-2020:
 - Cumulative investment of USD 2 billion in the IT sector
 - Employment incentive of up to INR 1,50,000 or 6 months CT, whichever is lower, for each employment position created in the State
 - Land subsidy of up to INR 60,000 per employment position generated in the State, up to 80% of land cost
 - 50% investment subsidy up to a cap of INR 1 Cr. for setting up training institutes/ finishing schools
 - Rebate on cost of land at 50% of cost of land, on the generation of 500 employment positions per acre, for setting up IT/ Telecom Parks
- AP Electronics Policy 2014-2020:
 - Cumulative investment of USD 5 billion in the Electronics sector
 - Investment subsidy up to INR 250 Cr. on CAPEX
 - 100% SGST reimbursement up to 100% of fixed capital investment

- over a period of 10 years
- Reimbursement of 1% of annual revenue over a period of 15 years, up to 100% of fixed capital investment, whichever is earlier, in case of ultra-mega projects
- Up to 25% power tariff subsidy for a period of five (5) years
- 100% exemption from electricity duty for a period of five (5) years
- 50% investment subsidy up to a cap of INR 1 Cr. for setting up training institutes/ finishing schools
- 30% project cost as grant, up to INR 30 lakhs per acre, with a maximum cap of INR 50 Cr. for setting up EMCs
- Designated Technology Parks Policy 2017-2020:
 - 50% rental guarantee for up to three (3) years for up to 70% of unoccupied built up IT space for builders
 - 50% rental subsidy for the remaining period of rental guarantee for IT companies.
- Integrated Innovation and Technology Policy 2017-2020:
 - The policy will be applicable to projects providing impetus to knowledge economy by developing the entire ecosystem of IT in Andhra Pradesh, thereby accelerating high end employment and innovation
 - The target companies for this are typically large global companies (may be from Fortune 500 list) that have a budget and interest to invest in IT Development Centers, CoE, Research and Development, development of Start-Up eco system type of activities etc.
 - Incentive of INR 1,00,000/- per additional employment generated or 6 months cost to company, whichever is lower
 - Incubation centre /plug and play facility to the project proponent at nominal rate for two years or until captive infrastructure is created by the proponent, whichever is earlier
 - Plug and play facilities to start operations/ Centre of Excellence/ Research and Development can be allotted at subsidized cost of not less than 50% of the market value for 3 years or completion of captive infrastructure, whichever is earlier
 - Reimbursement of 100% SGST on goods and services supplied/ sold/ leased by incubator to incubate within the State
 - 50% reimbursement of SGST, for new data centers / data recovery centers started after the date of issue of this policy, for purchase of raw materials and equipment from within the State for the center for a period of 3 years
 - 50% SGST will be reimbursed on services provided by data center to registered units within the State.
- Global In-house Centers Policy 2017-2020:
 - The policy envisions to create over 50,000 high quality jobs in technology, analytics and core business jobs, and generate capital investment of over Rs 2,500 Cr. by March 31, 2020
 - The units that are to be located within a GIC project shall be eligible for incentives as per AP IT Policy 2014-2020
- AI Cloud Hub Policy 2018-2020:
 - The objective of the policy is to transform Andhra Pradesh as one of

the most preferred destinations in India for Hyper-scale Data Centers and AI Cloud Hubs; and attract new investments worth at least \$5 billion in the sector by 2020

- 50% reimbursement of SGST, for new Data Centers started after the date of issue of this policy, for purchase of raw materials and equipment for the center for a period of 3 years from the date of approval of the project
 - 50% SGST will also be reimbursed on the cloud-based services provided from out of the AI Cloud Hub zone, within the State
 - Power will be provided with a subsidy of Rs. 2 per unit for 2 years from the start of commercial operations
 - Assistance of 50% of connectivity charges for 3 years from the date of commercial operations, up to a maximum of INR 1 Cr.
 - Employment incentive as per AP IT Policy 2014-2020 on creating employment of more than 5,000 persons.
- AP Innovation and Start-up Policy 2017-2020:
 - Free of cost plug & play office space to start ups
 - Employment incentive of INR 1,50,000 per employment generated, or 6 months' cost to company, whichever is lower
 - Animation Visual Effects Gaming and Comics Policy 2018-2020:
 - The policy aims to make Andhra Pradesh the most preferred destinations in India for animation, gaming, virtual reality, and comic sectors; and attract new investments worth at least \$1 billion in the sector by 2020
 - Incentive of 25% of capital expenditure for one-time purchase of computers, networking and related hardware, subject to a ceiling of INR 1 Cr. For SC/ST/OBC and women entrepreneurs, 35% of capital expenditure for one-time purchase of computers, networking and related hardware, subject to a ceiling of INR 1.4 Cr.
 - Reimbursement of production cost of an Animation film or Gaming product, (based on set Guidelines/ Stipulations) up to a maximum of INR 5 lakhs per film, on producing up to two Animation or Gaming films
 - Employment incentive as per AP IT Policy 2014-2020
 - Lease rental subsidy as per DTP Policy 2017-2020
 - Reimbursement of Rs.2.00/unit will be extended to M&E companies
 - 50% SGST reimbursement will be extended to CCITI approved low budget regional and national films, where production cost does not exceed INR 5 Cr.
 - AP Cyber Security Policy 2017:
 - The Vision of the Andhra Pradesh Cyber Security Policy is 'to create a robust cyber ecosystem, wherein the citizens transact online securely and take steps to protect their identity, privacy and finances online, the businesses conduct their operations without any disruption or damage and the Government ensures that its data and ICT systems are secure'
 - In line with the policy, the Government of Andhra Pradesh established the first-of-its-kind AP Cyber Security Operations Center (AP-CSOC), to protect and defend all government systems from increasing cyber attacks.

CHAPTER-IV
REVIEW OF PAST PERFORMANCE

Scheme wise physical targets and achievements for the years 2017-18, 2018-19 and Targets proposed for the year 2019-20

Sl. No.	Name of the Scheme/ Programme	Physical Targets for 2017-18		Physical Targets for 2018-19		Physical Targets proposed for 2019-20	Remarks
		Fixed	Achieved	Fixed	Achieved		
1	2	3	4	5	6	7	8
I. Promotion Wing - Development of IT and IT enabled services							
1.	No. of New Companies Registered (in numbers)	350	57	325	54	200	
2.	Exports turnover (in Cr.)	3500	246.24	3500	574.02	632.45	
3.	Employment created (in numbers)	15840	5252	15840	6621	10000	
II. Infrastructure Wing							
1.	APSCAN	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
2.	APSDC	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
3.	Renewal/ Procurement of Software licenses	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
III. Communications Wing							
1.	APSWAN/APSDWAN	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
2.	VCF	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
3.	SAPNET	MANA TV Transmission Telecasted as per User Departments Schedule.	1579 Hours	MANA TV Transmission Telecasted as per User Departments Schedule.	1789 Hours	MANA TV Transmission Telecasted as per User Departments Schedule.	
IV. eProcurement							
1.	No. of Tenders completed	42000	61494	45000	90116	50000	
2.	Value of transactions Completed (Rs. In Cr.)	18000	78379	20000	127447	30000	

Sl. No.	Name of the Scheme/ Programme	Physical Targets for 2017-18		Physical Targets for 2018-19		Physical Targets proposed for 2019-20	Remarks
		Fixed	Achieved	Fixed	Achieved		
1	2	3	4	5	6	7	8
V.	Other e-Gov. Projects	Maintenance	Maintenance	Maintenance	Maintenance	Maintenance	
VI.	APITA						
1.	Candidates registered and Trained	15000	12854	25000	27104	30000	
2.	Recruitment Drives & other events	--	--	--	--	30	
VII.	e-Pragati						
1.	e-Pragati Authority Core Platform Coverage of Departments	--	--	--	--	7	
2.	e-Pragati Authority Core Platform Coverage of HoDs	--	--	--	--	30	
VIII	APSAC						
1	Knowledge Management	--	--	--	--	20	
2	In-House Projects	--	--	--	--	10	
3	Procurement of Digital toposheets from SOI	--	--	--	--	300	
4	Upgradation of UAV survey setup	--	--	--	--	12	

CHAPTER-V

The total amount of expenditure as per the Accounts 2017-18 is Rs. 302,27.71 Lakhs, while the BE for 2018-19 is Rs. 1006,89.81 Lakhs and Revised Estimates for 2018-19 is Rs. 464,01.59 Lakhs. The Budget Estimates for 2019-20 is Rs.453,56.28 Lakhs.

Scheme wise expenditure/Budget Estimates are as follows:

BE-2018-19 Revised Estimates-2018-19 and Budget Estimates for F.Y-2019-20(REVENUE)

Demand- XXXIX	(Rupees in Lakhs)		
	Budget Estimates 2018-19	Revised Estimates 2018-19	Budget Estimates 2019-20
Head of Account			
INFORMATION TECHNOLOGY, ELECTRONICS & COMMUNICATIONS SECRETARIAT			
Revenue			
3425 OTHER SCIENTIFIC RESEARCH			
60 OTHERS			
M.H. 200 ASSISTANCE TO OTHER SCIENTIFIC BODIES			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(46) Assistance to Andhra Pradesh Space Application Centre (APSAC)			
310 Grants-in-Aid			
312 Other Grants-in-Aid	--	2,08.74	12,00.00
Total S.H.(46)	--	2,08.74	12,00.00
Total G.H.11	--	2,08.74	12,00.00
Total M.H.200	--	2,08.74	12,00.00
Total 60	--	2,08.74	12,00.00
Total 3425	--	2,08.74	12,00.00
3451 SECRETARIAT ECONOMIC SERVICES			
M.H. 090 SECRETARIAT			
S.H.(22) Information Technology, Electronics & Communications Department			
010 Salaries			
011 Pay	48.18	91.13	1,05.59
012 Allowances	6.50	4.45	7.31
013 Dearness Allowances	14.45	20.13	28.51
015 Interim Relief	--	--	24.52
016 House Rent Allowances	25.60	35.61	43.70
017 Medical Reimbursement	0.53	0.17	0.50
018 Encashment of Earned Leave	3.50	2.10	3.80
019 Leave Travel Concession	0.41	--	0.03
Total 010	99.17	1,53.59	2,13.96
130 Office Expenses			
132 Other Office Expenses	10.00	5.77	1.31

IT,E&C Department**OUTCOME BUDGET 2019-20**

134 Hiring of Private Vehicles	8.40	7.50	6.66
135 Office Expenses – Consumable /Stationery	--	--	2.33
137 Office Expenses – Administrative Expenses	--	--	0.38
138 Office Expenses – Internet Charges/Broadband	--	--	0.38
139 Office Expenses –Mobile Service/Call Charges	--	--	0.75
Total 130	18.40	13.27	11.81
240 Petrol, Oil and Lubricants	2.00	--	0.10
310 Grants-in-Aid			
318 Obsequies Charges	--	--	0.10
510 Motor Vehicles			
511 Maintenance of Office Vehicles	0.10	--	0.10
Total S.H.(22)	1,19.67	1,66.86	2,26.07
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(22) Information Technology, Electronics & Communications Department			
110 Domestic Travel Expenses			
111 Travelling Allowances	22.00	7.93	5.36
120 Foreign Travel Expenses			
121 Foreign Travel Expenses	10.00	--	8.00
130 Office Expenses			
131 Service Postage, Telegram & Telephone Charges	10.00	2.93	6.52
210 Supplies and Materials			
215 AMC Charges – Hardware	--	--	4,50.00
216 AMC Charges – Software	--	--	4,50.00
Total 210	--	--	9,00.00
260 Advertisements, Sales & Publicity Expenses	1,00.00	60.00	--
261 Advertisements –Print Media	--	--	11.25
262 Advertisements –Electronic Media	--	--	22.50
263 Outdoor Advertisements	--	--	7.50
264 Sponsorships/Publicity	--	--	7.50
Total 260	1,00.00	60.00	48.75
280 Professional Services			
284 Other Professional Services	20,63.00	69,50.36	7,70.83
287 Payments to Direct Individual Professionals	--	--	7.50
289 Services based professional Services	--	--	10.80
Total 280	20,63.00	69,50.36	7,89.13
300 Other Contractual Services			
304 Contract Services through 3 rd party firms	--	--	16,31.25
310 Grants-in-Aid			
312 Other Grants-in-Aid	1,00.00	1,00.00	1,00.00
330 Subsidies	400,00.00	100,00.00	--
334 Incentives to Organizations/Industries	--	--	100,00.00
Total 330	40000.00	10000.00	10000.00
Total S.H.(22)	423,05.00	171,21.22	134,89.01

IT,E&C Department

OUTCOME BUDGET 2019-20

S.H.(37) e-Governance Authority, Electronics & IT Agency			
310 Grants-in-Aid			
312 Other Grants-in-Aid	--	--	--
Total S.H.(37)	--	--	--
S.H. (43) e-Pragati			
310 Grants-in-Aid			
311 Grants-in-Aid towards Salaries	--	--	20,39.33
312 Other Grants-in-Aid	200,00.00	113,76.24	69,70.00
Total 310	200,00.00	113,76.24	90,09.33
Total S.H. (43)	200,00.00	113,76.24	90,09.33
S.H. (44) Assistance to Startups			
310 Grants-in-Aid			
312 Other Grants-in-Aid	100,00.00	7,85.36	20,00.00
Total S.H. (44)	100,00.00	7,85.36	20,00.00
S.H. (45) Andhra Pradesh Electronics and Information Technology Agency			
310 Grants-in-Aid			
311 Grants-in-Aid towards Salaries	--	--	1,83.06
312 Other Grants-in-Aid	60,00.00	26,18.39	28,16.94
Total 310	60,00.00	26,18.39	30,00.00
Total S.H. (45)	60,00.00	26,18.39	30,00.00
S.H. (46) Software Defined WAN – Providing Network-as-a-Service (SDWAN-NaaS)			
130 Office Expenses			
138 Office Expenses – Internet Charges/Broadband	--	--	35,25.00
200 Other Administrative Expenses			
215 AMC Charges - Hardware	--	--	3,75.00
300 Other Contractual Services			
304 Contract Services through 3 rd party firms	--	--	6,00.00
Total S.H. (46)	--	--	45,00.00
Total G.H. 11	783,05.00	319,01.21	319,98.34
Total M.H.090	784,24.67	320,68.07	322,24.41
M.H. 800 OTHER EXPENDITURE			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(06) Jawahar Knowledge Centres (JKCs)			
280 Professional Services			
284 Other Professional Services	4,00.00	4,00.00	3,33.30
287 Payments to Direct Individual Professionals	--	--	5,00.03
Total 280	4,00.00	4,00.00	8,33.33
Total S.H.(06)	4,00.00	4,00.00	8,33.33
S.H.(08) SAPNET			
500 Other Charges			
503 Other Expenditure	5,00.00	5,00.00	1,66.65

IT,E&C Department**OUTCOME BUDGET 2019-20**

Total S.H.(08)	5,00.00	5,00.00	1,66.65
S.H.(09) E-Seva			
280 Professional Services			
284 Other Professional Services	2,00.00	1,25.55	31.39
287 Payments to Direct Individual Professionals	--	--	95.00
Total 280	2,00.00	1,25.55	1,26.39
Total S.H.(09)	2,00.00	1,25.55	1,26.39
S.H.(11) Infrastructure facilities for Development of IT			
500 Other Charges			
503 Other Expenditure	2,00.00	1,86.50	11.33
523 Repairs & Maintenance to Machinery & Equipment	--	--	2,00.00
Total 500	2,00.00	1,86.50	2,11.33
Total S.H.(11)	2,00.00	1,86.50	2,11.33
Total G.H.11	13,00.00	12,12.05	13,37.70
Total M.H. 800	13,00.00	12,12.05	13,37.70
Total 3451	797,24.67	332,80.12	335,62.11
Total Revenue	797,24.67	334,88.86	347,62.11

BE-2018-19 Revised Estimates-2018-19 & Budget Estimates for F.Y-2019-20 (CAPITAL)			
Demand- XXXIX	(Rupees in Lakhs)		
Head of Account	Budget Estimates 2018-19	Revised Estimates 2018-19	Budget Estimates 2019-20
5475 CAPITAL OUTLAY ON OTHER GENERAL ECONOMIC SERVICES			
M.H. 789 SPECIAL COMPONENT PLAN FOR SCHEDULED CASTES			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(11) Information Technology, Electronics & Communications Department			
520 Machinery and Equipment			
521 Purchase of Machinery & Equipment	28,04.40	28,04.40	18,04.40
Total S.H.(11)	28,04.40	28,04.40	18,04.40
Total G.H.11	28,04.40	28,04.40	18,04.40
Total M.H. 789	28,04.40	28,04.40	18,04.40
M.H. 796 TRIBAL AREAS SUB-PLAN			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(11) Information Technology, Electronics & Communications Department			
520 Machinery and Equipment			
521 Purchase of Machinery & Equipment	10,56.60	10,56.60	10,56.60
Total S.H.(11)	10,56.60	10,56.60	10,56.60
Total G.H.11	10,56.60	10,56.60	10,56.60
Total M.H. 796	10,56.60	10,56.60	10,56.60
M.H. 800 OTHER EXPENDITURE			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(11) Infrastructure Facilities for Development of IT			
520 Machinery and Equipment			
521 Purchase of Machinery & Equipment	42,88.00	42,88.00	20,00.00
530 Major Works			
531 Major Works	120,00.00	41,04.90	50,00.00
Total S.H.(11)	162,88.00	83,92.90	70,00.00
S.H.(13) Provision of Video Conferencing Facilities at all Mandal Headquarters with OFC technology (ACA)			
520 Machinery and Equipment			
521 Purchase of Machinery & Equipment	4,14.00	4,14.00	4,14.00
Total S.H.(13)	4,14.00	4,14.00	4,14.00
Total G.H.11	167,02.00	88,06.90	74,14.00
Total M.H. 800	167,02.00	88,06.90	74,14.00
Total 5475	205,63.00	126,67.90	102,75.00
Total Capital	205,63.00	126,67.90	102,75.00
Total INFORMATION TECHNOLOGY, ELECTRONICS & COMMUNICATIONS SECRETARIAT	1002,87.67	461,56.76	450,37.11

BE-2018-19 Revised Estimates-2018-19 and Budget Estimates for F.Y-2019-20 (REVENUE)			
Demand-XXXIX	(Rupees In Lakhs)		
Head of Account	Budget Estimates 2018-19	Revised Estimates 2018-19	Budget Estimates 2019-20
ELECTRONICALLY DELIVERABLE SERVICES DIRECTORATE			
Revenue			
3451 SECRETARIAT ECONOMIC SERVICES			
M.H. 092 OTHER OFFICES			
S.H.(12) Director, Electronically Deliverable Services			
010 Salaries			
011 Pay	45.24	21.60	30.23
012 Allowances	0.89	0.90	0.95
013 Dearness Allowances	12.11	4.01	8.16
015 Interim Relief	--	--	7.02
016 House Rent Allowances	6.14	2.99	5.98
017 Medical Reimbursement	1.40	--	1.04
018 Encashment of Earned Leave	0.77	0.24	1.04
019 Leave Travel Concession	--	0.40	0.50
Total 010	66.55	30.14	54.92
110 Domestic Travel Expenses			
111 Travelling Allowance	0.15	--	0.08
130 Office Expenses			
131 Service Postage, Telegram and Telephone Charges	0.50	0.43	0.39
132 Other Office Expenses	2.81	1.25	0.65
133 Water and Electricity Charges	1.65	0.68	0.87
134 Hiring of Private Vehicles	8.40	5.40	4.82
135 Office Expenses – Consumables/Stationery	--	--	0.32
136 Office Expenses – Maintenance/Minor Repairs	--	--	0.15
137 Office Expenses – Administrative Expenses	--	--	0.68
138 Office Expenses – Internet Charges/Broadband	--	--	0.15
Total 130	13.36	7.76	8.03
140 Rents, Rates and Taxes	12.08	8.08	1.21
141 Rents, Rates and Taxes	-	-	5.76
Total 140	12.08	8.08	6.97
310 Grants-in-Aid			
318 Obsequies Charges	--	--	0.01
Total S.H.(12)	92.14	45.98	70.01
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(12) Director, Electronically Deliverable Services			
130 Office Expenses			
131 Service Postage, Telegram and Telephone Charges	--	--	--
260 Advertisements, Sales and Publicity Expenses	--	--	--
270 Minor Works			
271 Other Expenditure	--	--	--
280 Professional Services			

IT,E&C Department**OUTCOME BUDGET 2019-20**

284 Other Professional Services	3,00.00	1,98.85	94.16
287 Payments to Direct Individual Professionals	--	--	1,50.00
Total 280	3,00.00	1,98.85	2,44.16
Total S.H.(12)	3,00.00	1,98.85	2,44.16
Total G.H.11	3,00.00	1,98.85	2,44.16
Total M.H. 092	3,92.14	2,44.83	3,14.17
Total 3451	3,92.14	2,44.83	3,14.17
Total Revenue	3,92.14	2,44.83	3,14.17

Capital

BE-2018-19 Revised Estimates-2018-19 and Budget Estimates for F.Y-2019-20 (CAPITAL)			
Demand- XXXIX	(Rupees in Lakhs)		
Head of Account	Budget Estimates 2018-19	Revised Estimates 2018-19	Budget Estimates 2019-20
5475 - CAPITAL OUTLAY ON OTHER GENERAL ECONOMIC SERVICES			
M.H. 800 OTHER EXPENDITURE			
G.H.11 STATE DEVELOPMENT SCHEMES			
S.H.(12) Director, Electronically Deliverable Services			
520 Machinery and Equipment			
521 Purchase of Machinery & Equipment	10.00	--	5.00
Total S.H.(12)	10.00	--	5.00
Total G.H.11	10.00	--	5.00
Total M.H.800	10.00	--	5.00
Total 5475	10.00	--	5.00
Total Capital	10.00	--	5.00
Total: ELECTRONICALLY DELIVERABLE SERVICES DIRECTORATE	402.14	2,44.83	3,19.17

SCHEMES

BE-2018-19 Revised Estimates-2018-19 and Budget Estimates for F.Y-2019-20 (SCHEMES)			
Demand-XXXIX	(Rupees In Lakhs)		
Sub Head / Scheme	Budget Estimates 2018-19	Revised Estimates 2018-19	Budget Estimates 2019-20
<u>Information Technology, Electronics & Communications Secretariat</u>			
<u>Revenue</u>			
3425 OTHER SCIENTIFIC RESEARCH			
Assistance to Andhra Pradesh Space Application Centre (APSAC)	--	2,08.74	12,00.00
3451 SECRETARIAT ECONOMIC SERVICES			
SAPNET	5,00.00	5,00.00	1,66.65
Jawahar Knowledge Centres (JKCs)	4,00.00	4,00.00	8,33.33
E-seva	2,00.00	1,25.55	1,26.39
Software Defined WAN – Providing Network-as-a-service (SDWAN-NaaS)	--	--	45,00.00
e-Governance Authority, Electronics & IT Agency	--	--	--
Andhra Pradesh Electronics and Information Technology Agency	60,00.00	26,18.39	30,00.00
Information Technology & Communications Department	424,24.67	172,88.08	137,15.08
Infrastructure Facilities for Development of IT	2,00.00	1,86.50	2,11.33
Assistance to Startups	100,00.00	7,85.36	20,00.00
e-Pragati	200,00.00	113,76.24	90,09.33
Total 3451	797,24.67	332,80.12	335,62.11
Total Revenue	797,24.67	334,88.86	347,62.11
<u>Capital</u>			
5475 Capital Outlay on Other General Economic Services			
Provision of Video Conferencing Facilities at all Mandal Headquarters with OFC technology (ACA)	4,14.00	4,14.00	4,14.00
Infrastructure Facilities for Development of IT	162,88.00	83,92.90	70,00.00
Information Technology, Electronics & Communications Department	38,61.00	38,61.00	28,61.00
Total 5475	205,63.00	126,67.90	102,75.00
Total Capital	205,63.00	126,67.90	102,75.00

IT,E&C Department**OUTCOME BUDGET 2019-20**

Total Information Technology, Electronics & Communications Secretariat	1002,87.67	461,56.76	450,37.11
Electronically Deliverable Services Directorate			
Revenue			
3451 SECRETARIAT ECONOMIC SERVICES			
Director, Electronically Deliverable Services	3,92.14	2,44.83	3,14.17
Total Revenue	3,92.14	2,44.83	3,14.17
Capital			
5475 Capital Outlay on Other General Economic Services			
Director, Electronically Deliverable Services	10.00	--	5.00
Total Capital	10.00	--	5.00
Total ELECTRONICALLY DELIVERABLE SERVICES DIRECTORATE	402.14	2,44.83	3,19.17
Total Demand XXXIX	1006,89.81	464,01.59	453,56.28

**MEKAPATI GOUTHAM REDDY
MINISTER FOR INFORMATION TECHNOLOGY,
ELECTRONICS & COMMUNICATIONS DEPARTMENT**