

WRITE-UP (2018-19)
Information Technology & e-Governance

INTRODUCTION

The Department of Information Technology & e-Governance of the State has been functioning as an independent entity since June 2003. Prior to this, the functions of the department were clubbed together with the Department of Science & Technology. The details of the plan allocation and expenditure is shown below :-

Financial Year	Provision (Rs Crore)	Expenditure (Rs Crore)
2012-13	37.66	19.09
2013-14	98.27	85.24
2014-15	120.00	59.38
2015-16	121.55	107.00
2016-17	184.89	148.68
2017-18	206.51	206.51(Anticipated)

KEY ACHIEVEMENTS

The Department of Information Technology, Govt. of Jharkhand, has established JharNet, Pragma Kendras (Common Service Centres), Video conferencing facilities in jails and courts for trial of prisoners from jails and also computerized land registration and treasury offices along with commercial taxes. e-Nagarik and e-District enable citizens to request for online delivery of services and receive them particularly in respect of various certificates viz. caste, income, residence, birth, date etc. This has facilitated the life of the citizens to a great extent. Some of the salient achievements are enumerated as below:

1. General public has been provided “e-Nagrik Service” as birth and death certificates, Income certificates and Residential certificates through Common Service Centres in the Panchayats. Banking services as Panchayat Bank and other e-Governance services are also being provided through Common Service Centres.
2. All the Registry offices situated in the state have been fully computerized. Hence, the registry documents are issued to the party on the same day.
3. The video conferencing system has been established in District Courts and Jails of the State. Nowadays, prisoners need not present themselves in the court physically because the trial facilities are arranged through video conferencing directly from the jails.
4. The e-Procurement scheme has been started in govt. departments. In this process, any eligible Tenderer can file tender from any corner of the country or the world. This is done through the use of digital signatures
5. All Treasuries and Sub-treasuries of the state have been computerized. All Data from treasuries and sub-treasuries come direct to the State Data Centre. The GPF accounts of the government employees are available on-line anytime. The financial transactions can be viewed just in a moment of all treasuries and sub-treasuries. New computers and its peripherals have been installed for smooth functioning of treasuries.
6. CCTVs have been installed in all district/sub-divisional jails. These are IP cameras, therefore, it is possible to monitor movements as well as check visitors centrally. e-MULAKAT solution facilitates offsite meeting between prisoners and their visitors through video-conferencing.

7. NKN & Jharnet - NICNet integration with Jharnet. This has improved robustness & redundancy to Jharnet Network & further enable a wider range of video-conferencing and other services.
8. Electronic publication of Gazette has been made mandatory. Paper publication of the same has been discontinued with effect from 10th December 2012.
9. Electronic Service Delivery rule, 2013 has been published making online delivery of services mandatory and departments and organizations undertake conscious efforts for it.
10. Jharkhand Space Application Center (JSAC) has hosted Geo Data base and Village Profile for the entire State.
11. JSAC has hosted online Ground Water Prospect Map for the use of concerned offices/departments and public to mitigate the water scarcity in the State by scientific management through quick decision support system.
12. JSAC has integrated land records (Khatian and Cadastral/Revenue Maps) and hosted those online.
13. JSAC is monitoring satellite based crop status and has hosted it online.
14. JSAC has developed ePanchayat having ward level digital data for gram panchayat, panchayat samiti and zila parishad.
15. **Attendance System** - Aadhaar Based Attendance System has been implemented from 01.01.2014 in all the Govt buildings like Project Building, Nepal House, FFP Building, Board of Revenue, HTI Building, Van Bhawan, SKIPA (ATI), SIRD, Suchna Bhawan, All DC Offices, All Blocks, Govt Hospitals, All Govt ITIs and Polytechnics, BIT Sindri, 300 listed Govt Secondary schools and Kasturba Vidyalayas, etc. The system utilizes Aadhaar authentication system of UIDAI. The system works on multiple platforms (Windows, Android, etc.) and form factors (Laptop, Desktop and Tablets, etc.) It is an easily implemented system. The system ensures proper employee attendance, Leave management, tracking of attendance, prevent forgery of attendance.
16. **Computerization of Law Department & AG Office-** This Software is first of its kind in the country through which digitization of filed cases are being carried out. All the Departments can download/view the digital copy of filed cases / case status / judgments online on dedicated portal **vidhi.jharkhand.gov.in**. Online Affidavit Management System has also been incorporated in this portal.
17. Jharkhand Innovation Lab (JIL) has been established in Association with IIM Ahmedabad in Ranchi.

ACHIEVEMENTS DURING FY 2017-18

1. **Common Service Centre (CSC)** : There is a total of **11,202 active CSCs** in Jharkhand till 30th December 2017. Out of these there are **8171 Rural CSCs** and **3031 Urban CSCs** are presently working in Jharkhand. From 1st January 2017 to 31st December 2017, a total of 4580271 certificates have been applied through CSCs.
2. **PMGDISHA**: Under PMGDISHA project, which was initiated in March 2017, Jharkhand was given a target to make 1803000 candidates digitally literate. Presently, Jharkhand stood at 2nd position in Pan India, under student registration (937003) and certified candidates (406981).
3. **Empowerment of DeGS Society**: To empower District e-Governance Society for successful deployment of Digidhan Mission, Promotion of Cashless transaction across the state four new post were created e.g. e-Bank Manager, e-Merchant manager, Network Manager and Block Level e-Manager. They played their integral part in deployment of programs like Digital India, Digidhan Mission, Promotion of Digital transaction across the State. These post were created and approved for two years initially. In financial year 2017-18 Nine Crore Ninty Six Lakh were allotted for payment of their Salaries.
4. **DigiDhan Mission** : Govt. of India has setup a dedicated Mission called the DIGIDHAN Mission under Digital India Programme and it will be implemented by Ministry off Electronics and Information Technology (MeitY). Under this Mission it is targeted to achieve 60 crore Digital payment transaction in financial year 2017-18 through digital payment modes (including UPI, USSD, IMPS, Aadhar Pay, Debit Card), at the State level. It will be monitored by an Apex Committee headed by Chief Secretary . To monitor the deployment process at district level two other committees Executive Committee and District Level Committee has already been Constituted.

Under this mission, in order to run a massive awareness campaign about digital services at Panchayat, Block and District level in Jharkhand, Dept. of IT, GoJ, DeGS and CSC SPV has organized a seven days Digital Jharkhand Week

This year six Digital Jharkhand Week drive was organized. A total of 223107 citizens participated in the drive and 884143 nos. of transaction was done in various G2C, B2C, Cashless, Banking and Digipay services.
5. **JharNet** : The Government of Jharkhand had conceptualized & setup the Jharkhand State Wide Area Network (JharNet) during the period 2005–2006. This network primarily acts as the communication setup for the Government of Jharkhand for Government-to-Government (G2G) services.

The current JharNet network operates at multiple levels, with the State Capital Ranchi functioning as the State Head Quarters (SHQ) with the connectivity extending vertically to 24 District Head Quarters (DHQs), further to 37Sub-Divisional Head Quarters (SDHQs) and also

214 Block Head Quarters (BHQs). Approx 1700 Government Offices at SHQ, DHQs, and SDHQs are also connected horizontally to the respective SHQ, DHQs and SDHQs. JharNet provide Data, Voice & Video Services up to district and Data & Voice services up to BHQs.

6. **WAMIS (Works and Accounts Management Information System)** : This software has been successfully implemented in all the concerned work-departments viz. DWSD, RCD, RDD, BCD & Energy Department. All the concerned officers like EE, AE, JE & DAO of all the departments have undergone training session on the above software. Tabs have been distributed to all the EEs, AEs, JEs & DAOs. Also e-MB has been incorporated in the application. WAMIS is now integrated with treasury, AG Office and UCAN, now the monitoring of ongoing work is easy over the tabs. Five Works Departments are now fully engaged in bill preparation and monthly account submission to AG Office.
7. **STPI : (Bokaro, Deoghar, Adityapur & Sindri)** : The construction works of all the four STPIs have been transferred to Jharkhand State Building Construction Corporation Ltd.
In Bokaro : Acquisition of land is under process by STPI, GoI in Bokaro.
In Deoghar : The construction work has been allotted to M/s Niranjana Rai by JSBCCL and it is scheduled to complete in June 2019.
In Adityapur : The construction work is being carried out by M/s Kashish Developers and it is scheduled to complete in July 2018.
In Sindri : The construction work is being carried out by M/s R.S. Agrawal and it is scheduled to complete in July 2018.
8. **Online submission of Application for Mobile Tower and OFC** : The objective of this project is to provide an online web based solution for departmental use. The system includes complete process of online proposal submission, processing and final approval as end to end solution. The portal has been developed by JSAC and has been launched successfully. Till now, 653 applications from different TSPs/IPs have been received for NOC for installation of Mobile Towers and RoW for laying OFC, out of which 96 applications have been processed.
9. **Skill Development(Programme for Youth)** : Free Training to SC/ST Candidates for increasing the employability of the youths is being imparted by C-DAC & NIELIT under Free Coaching Scheme. C-DAC has its own training centres at Ranchi and Dhanbad whereas NIELIT has started training at 10 districts in the state. C-DAC has completed the training program for 246 candidates out of 640 candidates. NIELIT has also completed the training to 440 candidates out of 600 candidates.
10. **City Wi-Fi** : In line with the “Digital India” initiative of the Government of India, Department of IT and e-Governance, Government of Jharkhand, has taken the initiative to create Wi-Fi hotspots in 24 district of Jharkhand. The Tender was floated and received proposal from BSNL.

11. **BharatNet** : The project is already started for the first phase (OFC laid in 1306 GPs out of 1417 GPs) and BBNL is providing connectivity in seven districts – Ranchi, Ramgarh, Hazaribagh, Koderma, Bokaro, Deoghar and Sahebganj. Phase 1+ is also started in Districts name respectively Dhanbad, East Singhbhum, Giridih, Latehar, Lohardaga and Palamu. Rest 11 District are in Phase II. For the implementation of Bharatnet phase-II in Jharkhand one special purpose vehicle (SPV) “Jharkhand Communication Network Ltd.” has formed. DoT, GoI has approved Rs. 420 Cr. for Bharatnet phase-II. JCNL has already published RFP for Project Implementing Agency (PIA) selection. As per NIT technical bid will be open in 1st week of Feb. 2018.

12. **SMS Gateway** : In the year 2013, SMS Gateway Project has been introduced in Jharkhand with the help of MSDP(Mobile e-governance Service Delivery Platform) by CDAC. By using this SMS Gateway service we can deliver the information regarding services status to the citizen/Govt. officers over the mobile devices. Till now more than 62 applications of various department has been integrated with SMS Gateway Service and till now 3.5 crore SMS have been sent.

13. **Payment Gateway** : Department of Information Technology & Governance, Govt. of Jharkhand has introduced and implemented the Common Payment Gateway System in the year 2013 for various Departmental Applications which delivers online services to the citizen at their door steps with the help of National Database Management Ltd (NDML). NDML on behalf of DIT have created a common infrastructure that is used by States/Departments to offer various services through their State portals with a facility to make online payments. Following department has been implemented Online Payment Gateway System in their applications to collect fee ,taxes, royalty etc:-

- Registration Department
- Transport Department
- Jharkhand Generic Portal
- Urban Department
- JAP-IT
- Industrial Department
- Commercial Taxes Department
- Exam Board Department
- Mines Department
- Ranchi Municipality
- Tourism Department

14. **E-Office** : GoJ intends to implement e-Office, the e-Office application which requires to be developed for GoJ before implementation & maintenance. DoIT, GoJ is the Nodal Dept. and JAP-IT is the Nodal Agency to implement this project in Jharkhand. Till date e-office has been implemented in four departments and one DC office.

15. **IT/ITeS Investment Promotion** : Following policies have been framed, launched at Road-show organized in Mumbai on 20.09.16, under this scheme to promote the IT/ITes Investment promotion in the State of Jharkhand :

- i) IT/ITes Policy-2016
- ii) ESDM Policy-2016
- iii) BPO/BPM Policy-2016
- iv) Startup Policy-2016

- IT/ITeS, ESDM, BPO/BPM & Start-up policy on the basis of best national and international policies to promote private sector investments along with policy implementation plan prepared.
- Policy amendments/addendum incorporated in Startup policy 2016 along with Draft IoT Policy 2017 and prepared advisory on DIPP parameters compliance. Draft of messaging policy was prepared and submitted.
- Inception Report was drafted for IT/ITeS investment promotion in Jharkhand.
- IT-ITeS, BPO/BPM, Startup and ESDM policy and implementation plan was prepared based on benchmarking of best national and international policies with incentive disbursement guidelines and incentive claim forms designed.
- Knowledge Collateral as shelf of key IT/ITeS project, IT/ITeS Sectoral reports, Event specific presentations, marketing tools, publicity material and draft speeches for Hon'ble Ministers Officers, State officials and VIPs at the event submitted.
- 3 Roadshows, 3 IT/ITeS & ESDM related events with 2 stakeholder consultation meet organized. A database of 2500 + leads created through various programs Interest shown by various investors in the road shows and/or state sessions. 6 Operational incubators in the state, 12 ready investors with approx. INR 120 Cr investment and 3000 + job potential for space allocation at Sahkarita Bhawan facilitated, 7 ready investors with land requirement with approx. INR 1040 Cr investment and 6500 + job potential.
- End to end facilitation on 26 no's. IT-ITeS MoUs with investment of approx. INR 5164 Cr. during GIS.MoU/Agreement drafting for STPI, NRDC, Performance agreement for institutes and draft infrastructure development plan for promoting IT in the State preparation in progress, draft guidelines for developing IT/ITeS Park in the State prepared and reviewed with department.
- Bid Process management for development of IT Park on PPP mode, RFP and Concession agreement for selection of developer for IT Park prepared, Shared draft EOI/RFP for event partner, media & PR design agency and others. Formalities related to IT Park land transfer expedited by the EY team. Draft Master plan (Term of reference) for inviting bids from State government empanelled vendors prepared and submitted to the department.
- 10 Startup events along with one mega Startup event and 2 road shows proposed. Hand holding support in formation of Jharkhand Innovation Lab provided to the department with Roles and responsibilities of JIL drafted and shared with the department and Knowledge transfer to JIL completed. Agreement with GVFL for setting up an INR 250 Cr. VC fund in state of Jharkhand finalized and duly signed in presence of CM.
- A social media strategy in achieving states investment promotion objective and aligned to the investment promotion goals of the Department was initiated .Total 2.7 lakhs Impressions of posts, 15,000 engaged users and more than 4000 likes in place. Live coverage of all 9 events on social media, both twitter and Facebook completed.
- Various day to day tasks, notes, letters and other necessary documents as an when required.

PROPOSED OUTLAY FOR FY 2018-19

A. CONTINUING SCHEMES (State Plan)

1. **IT Publicity** : Publicity of the achievements of the State Govt. is a crucial part of the governance. The department has to organise and participate in the workshops / seminars / conferences on the subjects related to NeGP/IT/ITES etc. Booklets/ Pamphlets/ Handbills/Brochure/Posters etc. are also printed/ published in relation to the e-Governance programs.

Therefore, an amount of Rs. 100 lakhs (TSP-100) is proposed for the FY 2018-19.

2. **IT Department Establishment** : An amount of **Rs. 22.27 lakhs (TSP)** is proposed for the FY 2018-19 under IT department establishment.

3. **Computerization of Government Departments :**

a. **WAMIS (Works and Accounts Management Information System)**: Govt. of Jharkhand has decided to implement Works and Accounts Management Information System (WAMIS) for five user departments namely Rural Works, Water Resources, Drinking Water & Sanitation, Road Construction and Forest & Environment, Government of Jharkhand in the first phase. WAMIS has been developed by C-DAC Pune. This system will effectively help in end-to-end computerisation of the works-departments with e-Procurement.

Considering the above, a total of **Rs. 02 Crore** is proposed for the FY 2018-19 for implementing the above online accounting system.

b. **e-Vidhan** : In the existing digital era, with more and more government organizations, groups and individuals now converting, maintaining, exchanging and sharing pivotal information for critical decisions, it has now become a necessity to have a streamlined system for the easy storage, quick search and retrieval amenities for the vast amount of information that need to be accessed. The scope of work to be undertaken for architecting the e-Assembly for the Jharkhand Legislature is distributed in the following three core areas :

- Computerization and automation of legislative procedures to make the Legislation system paperless thereby reducing costs and increasing efficiency of the system.
- Computerization of archival and retrieval of documents generated in the Legislature thereby improving the transparency of the legislative processes and improving the confidence of the public in the system.
- Computerization of the management of constituencies by Hon'ble members by providing a platform for public and Members to electronically interact freely which helps the public to involve more in constituency management.

A total of Rs. 10 Cr. is proposed for the FY 2018-19.

c. **Permanent Webcast Setup & Webcasting Services** : Total project cost for three years amounting to Rs. 2,70,43,500/- has been sanctioned vide DoIT letter no. 2776 dt. 29.09.16 with yearly budget of Rs. 90,14,500/-. Fund for the FY 2017-18 has been provisioned for the project. In the continuation of the above, Rs. 90,14,500/- is proposed for the FY 2018-19. A fund of additional Rs. 60 lacs is also proposed for different web casting events organised for the program of Hon'ble CM.

Thus, a total of Rs. 60 lacs is proposed for FY 2018-19.

d. Unified Data Repository (UDR): Unified Data Repository (UDR) is envisioned to be a common repository of schemes and department related data with specific focus on beneficiaries and residents receiving government benefits across the state of Jharkhand. UDR shall serve as an integrated storage and analytical data platform for each and every department thereby presenting a holistic service delivery status at any given moment for the state government. Data Analytics will be an important service atop UDR and will present a comprehensive reporting engine for flexible, detailed and user defined reports.

The Extraction process will include data collection from various departments which are heterogeneous when compared to each other. Transformation phase shall incorporate the mapping of the heterogeneous data structure of the pre-defined Unified data structure and thereby applying the conversion and the Loading phase will 'load' the transformed data into UDR. This will aid in conversion of the 'Specialized' departmental data into 'Generalized' analytical data. This generalization of data structure shall enable in interpreting and viewing data from multiple sources in a better, efficient and meaningful way.

The unified data repository will provide the ability to:

- Unify all data into a repository for improved understanding of information available.
- On demand access to data.
- Cross domain analysis of data.

For the project, UDR (Unified Data Repository), an amount of **Rs. 100 lacs** is proposed in the FY 2018-19.

e. MyGov PMU: MyGov PMU has to be established by JAP-IT under CM secretariat. The PMU will be established for 3 years as per the guidelines of NeGD. There will be 7 resource personnel in the PMU who will be appointed by JAP-IT. The PMU will facilitate different government departments. The proposed project cost for the 3 years is Rs 1,56,00,000/- .

For the project, an amount of 7,00,000/- is proposed in the FY 2018-19.

f. Online Appointment System : Online Appointment System is an application developed by NIC, Ranchi. The system allows public or any individual to take appointments online through this application to meet Ministers/Officers. In 1st phase has been implemented in Project Building. Fund for the FY 2017-18 has been transferred to the implementing agency, JAP-IT. In the continuation of the above, **Rs. 15,00,000/-** is proposed for the FY 2018-19.

g. Online Answering Information System (OASYS) and Question Management System (QMS) : Background and Summary : The Project OASYS (Online Answering Information System) has been initiated in Jharkhand Legislative Assembly in association of NIC Ranchi with a view to facilitating faster & secure communication pertaining to Questions raised in Assembly and answers furnished thereof. Question - Answer process in Assembly besides serving as a faster mode in this prime exercise of legislature. All questions raised and answers received through the system are accessible through the web portal of Legislative Assembly immediately after the Question Hour. The statistical information can instantly be viewed by media, citizens and all others.

Area of Operation - Jharkhand Legislative Assembly. Period of Implementation: November, 2012
Feature :

- This will help the departments to process concerned questions
- Get questions without waiting for the notices
- Provides answers along with the annexure etc in the online mode

- Uses OTP (mobile password) for security
- Lists answered and unanswered questions

Current Status : The Project is being maintained by NIC, Ranchi. A Question-Answer cell is established in Vidhansabha Premises and One Assistant programmer has been made available by JAP-IT through NICS to NIC for maintenance of Software and Hand holding support to Vidhansabha.

In view of the above there is requirement of total Fund on an amount of Rs. @ 38,220/PM and 18 % taxes i.e. total **Rs. 6 lakhs** for manpower for one year (FY 2018-19).

h. SMS Gateway : In the year 2013, SMS Gateway Project has been introduced in Jharkhand with the help of MSDP(Mobile e-governance Service Delivery Platform) by CDAC. By using this SMS Gateway service we can deliver the information regarding services status to the citizen/Govt. officers over the mobile devices. Till now more than 70 applications of various department has been integrated with SMS Gateway Service to send the information through SMS and time to time their SMS services is being updated as per requirement of the departments. **The proposed budget for the FY 2018-19 is Rs. 66.18 lakhs.**

i. Payment Gateway : Department of Information Technology & e-Governance, Govt. of Jharkhand has introduced and implemented the Common Payment Gateway System in the year 2013 for various Departmental Applications which delivers online services to the citizen at their door steps with the help of National Database Management Ltd (NDML). NDML on behalf of DIT have created a common infrastructure that is used by States/Departments to offer various services through their State portals with a facility to make online payments. Following department has been implemented Online Payment Gateway System in their applications to collect fee ,taxes, royalty etc:-

- | | |
|----------------------------------|-------------------------------|
| • Registration Department | • Commercial Taxes Department |
| • Transport Department | • Exam Board Department |
| • Jharkhand Generic Portal | • Mines Department |
| • Urban Department | • Ranchi Municipality |
| • JAP-IT | • Tourism Department |
| • Mining Authority & Development | • Panchayati Raj |

The proposed budget for the FY 2018-19 is Rs. 50 lakhs.

j. IFMS : In the process of procurement of Oracle Exadata, extra fund of **Rs 200 lakhs** is required due to increase in taxes after implementation of GST (considering GST @ 28%).

k. Aadhaar Authentication Services for Department of IT and e-Gov.

A.) UID Cell under Department of IT & e-Gov. provides the following Aadhaar Authentication Services to various departments of the State Government for Aadhaar based service delivery:

- 1) Aadhaar OTP Authentication
- 2) Aadhaar Biometric Authentication (Fingerprint/ Iris)
- 3) Aadhaar e-KYC (Fingerprint/Iris/OTP)

B.) With the recent changes in UIDAI's policies, the current cost model for the Department is as follows:

- 1) AUA license Fee – Rs. 20 Lakhs for two years (Excluding taxes, payable at once)
- 2) ASA Charges to CSC:
 - (I) For Biometric/OTP Authentication –Re. 0.05 / Transaction (Excluding taxes)
 - (II) For e-KYC –Re. 1 / Transaction (Excluding taxes)
- 3) Average Monthly Authentication Charges - Rs. 6,00,000(Six Lakhs)

4) Effective Annual Cost – Rs. 82,00,000 (Eighty Two Lakhs)

*The changes in number of authentication transaction is directly proportional to the incurred annual cost.

The above charges are currently paid to UIDAI as well as the ASA through one-time ICT fund provided by UIDAI to the department.

C.) The approval to Department of IT and e-Gov. for onboarding as ASA with UIDAI has already been granted on 26/12/2016 in 16th UIDIC Meeting.

The Cost to be incurred for Department of IT and e-Gov. to act as ASA and AUA

- 1) ASA license Fee – Rs. 1 Crore for Two Years (Excluding taxes, payable at once)
- 2) AUA license Fee – Rs. 20 Lakhs for Two Years (Excluding taxes, payable at once)
- 3) ASA leased line – Rs. 11 Lakhs (Excluding taxes)
- 4) Effective annual cost – Rs. 71,00,000 (Seventy-One Lakhs)

* The changes in number of authentication transaction has no impact on the Annual Charges.

In addition, the following are one-time infrastructural charges for setting up of ASA:

- 1) Routers (4 Nos.) - Rs. 11 Lakhs (Eleven Lakhs)
- 2) Server (4 Nos.) - Rs. 30 Lakhs (Thirty Lakhs)
- 3) HSM (2 Nos.) - Rs. 1,30,00,000 (One crore 30 Lakhs)

Total one time infrastructure cost = Rs. 1,71,00,000 (One Crore Seventy One Lakhs)

D.) Based on the above the budget Requirement is:

$$\begin{aligned} & \text{Rs. 1,11,00,000(ASA License Fee + Lease Line)} \\ & + \text{Rs. 1,71,00,000(Infrastructure Cost)} \\ & = \text{2,82,00,000 (Rs. Two Crore Eighty Two Lakhs)} \end{aligned}$$

A number of projects related to computerization of different Govt. departments viz. Payment Gateway, Video Conferencing, CMO, CS Office, Renovation of New Auditorium & Development of Various Online Software Applications including provision of Web-Cast/Outdoor Video Van are carried out under this scheme.

Thus, a total of 2056.18 lakhs (OSP-1056.18, TSP-1000) is proposed for the FY 2018-19.

4. Jharkhand Space Application Centre (JSAC)

Jharkhand Space Application Centre is a registered body under Societies Registration Act functioning under the administrative control of Information Technology Department. As per the demands received from JSAC, it has been proposed to make Budget Provisions as under :-

i. Grant-in-Aid (Salary) – Rs 149.80 lakhs (TSP)

5. Skill Development (Programme for youth) : Free Training to SC/ST Candidates for increasing the employability of the youths is being imparted by C-DAC & NIELIT under Free Coaching Scheme. C-DAC has its own training centres at Ranchi and Dhanbad where as NIELIT has started training at 10 districts in the state. Further payment to both the agencies will be made on the basis of voucher produced by both the agencies.

Continuing the above training, total of **Rs. 50 lakhs** is proposed (**TSP-39.6 & SCSP-10.4**) for the Financial Year 2018-19.

6. STPI : Software Technology Parks in Adityapur, Sindri, Bokaro and Deoghar are under construction. The construction works of all the STPIs have been transferred to Jharkhand State Building Construction Corporation Limited.

For securing the above projects, a total of **Rs. 1000 lakhs (OSP)** is proposed for the FY 2018-19 for all four STPI.

7. e-Procurement System: To bring transparency into tendering process Govt. of Jharkhand has decided to procure goods & services of above Rs. 05 Lakh through e-Procurement

- Transparent bidding process
- Role based access
- Fearless participation for Bidders.
- Anytime – Anywhere Bidding
- Economical - No dependency on Newspaper
- Reduce evaluation time
- Time stamping of tenders processing
- Full proof Security using DSC and Encryption
- Audit trail

Project Details:

- Successfully implemented in 42 Department/Autonomous Organization / State Govt. PSU.
- Payment Gateway Integration for Tender Cost and EMD is under process.

Need of Project:

PMU is very essential part of the project.

- Helps the bidders in tendering process
- Help the department in tendering process
- Technical assistant to the department bidder
- Uploading / opening / evaluation of the tender document
- Impart Training
- Technical support over the phone also

Financial Details

Manpower	Qualification	Qty.	Monthly remuneration	Total Cost for one year
Programmer	BE./B Tech / MCA or equivalent with 2 Years Exp	2	30,000/-	7,20,000

Seven Lakh Twenty thousand only (OSP)

8. e-Offices : Objective – To facilitate improved operational efficiency by automation of the common functions of all Departments and Agencies of Government of Jharkhand.

Fund Sanction Details – Total Project cost of Rs. 22,34,01,206/- has been sanctioned vide DoIT letter no. 2697 dtd. 24.09.2016

Fund Requirement – As per the sanctioned letter, fund amounting to Rs. 4,95,88,706/- has been sanctioned for the FY 2018-19.

Due to increase in tax, revised JAP-IT AME and other expenses estimated required fund for FY 2018-19 is as follows –

S.N.	Description	Amount
A	Project cost for FY 2018-19 with approx.15%tax	42795000
B	Revised Project cost for FY 2018-19 with approx.18%tax (A*118/115)	43911391
C	Reimbursement against DSC procured by Department of GoJ	500000
D	Sub-Total (B+C)	44411391
E	Contingency @3% Sub Total (D*3%)	1332342
F	Total (D+E)	45743733
G	JAP-IT AME@7% (D*7%)	3202061
H	Grand Total (F+G)	48945794

Note :- Fund regarding scanning and digitization for departments under next phase hasn't been considered presently.

For securing the above objective, Rs 490 lakhs (OSP-200, TSP-290) is proposed for FY 2018-19.

9. JAP-IT Data Centre & Secretariat LAN

Introduction : JAP-IT Data Center is state of the art established at JAP-IT premises. JAP-IT Data Center is delivering services as NDC of Govt. of Jharkhand. JAP-IT DC established in year 2005 and it has been delivering most important services (**Financial, G2G, G2C**) of Govt. of Jharkhand. JAP-IT Data Center has the required infrastructure which makes it unique in-comparison with others, devices installed at JAP-IT DC are under AMC and been properly maintained. Services have been delivered across the clock i.e. 24x7. Different levels of redundancy being maintained whether it is power, Internet Lease Line and Cooling along-with equipment level redundancy.

JAP-IT DC is one of the major pillars in executing the several computerization projects in the state. JAP-IT is delivering more than 125 e-Gov. services with his resources

JAP-IT Data Center performs to ensure minimal downtime or minimal disruption in operations. The facility state-of-the-art fire detection and suppression systems to guard against potential losses due to fire. Sophisticated onsite security through surveillance cameras and advanced biometric systems to prevent unauthorized entry. Networking equipment are fully redundant high-end switches and routers, BGP4 routing for optimal path selection and full redundancy, etc.

JAP-IT DC is delivering services as NDC of Govt. of Jharkhand. JAP-IT DC Recently introduced its new Cloud platform on VM ware & 80% services of JAP-IT data center is delivering through cloud. JAP-IT DC is Delivering Most important services (Financial, G2G, G2C) of Govt. of Jharkhand like:

- e-Nibandhan : e-Nibandhan Services delivers through JAP-IT SDC which use for Land Registration of Govt. of Jharkhand.
- CM Dashboard
- Single windows system
- Mukhya mantra swasth bima yojna
- CM Jharkhand Portal
- Jharkhand Jansamvad
- AEBAS
- JAC/Hunar/CLMS/Law Dept
- Jharkhand Combined
- Agriculture
- Jharkhand state police complain authority.
- JSAC (Jharkhand space application centre)
- DWSD (Drinking water & sanitation Department)
- E-Office
- e-District: All Type of Income, Cast, Residence, Birth Certificate issue through this portal.

Advantages to host application in JAP-IT Data Center

- **Financial Gains:** JAP-IT Data Center can help to reduce overall IT budget. One can host application directly in data center of JAP-IT and our team will take care to provide best uptime and services to the client/user.
- **Better Connectivity:** In JAP-IT Data Center we are using the entire tier1 ISP to provide best uptime.

- **Improved Network security:** Our data center offers state-of-the-art network security, including fully updated firewalls/IPS-IDS/different types of filtering applications to detect and prevent unauthorized intrusions into their clients' systems. We employ qualified technical personnel with certifications like CCNA and MCSE to monitor the networks 24x7 and alert clients of any potential trouble.
- **Improved Support:** JAP-IT Data Center provides managed services to the client. The support includes designing application, managing the application, updating patches, OS installation. We provide support 24x7 supports to our client. A dedicated team of 06 technical persons are available at JAP-IT DC to provide support.

JAP-IT DC resources

Hardware resources:

S.N.	Equipment's	Description
1	Server	Application & Database servers
2	Storage devices	SAN, NAS
3	Networking devices	Switch, Router
4	Security Devices	Firewall
5	Cooling devices	AC
6	Power backup devices	UPS & DG
8.	Fire Extinguisher	03 Panel

Detailed Budgetary provisions for JAP-IT Data Centre & Secretariat LAN for Financial Year 2018-19 are as under:

S.N.	Description	Proposed Amount	Remarks/details
1	Manpower for JAP-IT Data Centre Project	₹ 28,85,664.00	Monthly remuneration for JDC technical employee
1.A	Network & Security Administrator	Monthly Remuneration	` 42,000.00 per month
1.B	Data Base Administrator		` 42,000.00 per month
1.C	System Administrator cum Mail Administrator		` 40,000.00 per month
1.D	Asst. Network & Security Administrator		` 30,000.00 per month
1.E	Asst. System Administrator		` 30,000.00 per month
1.F	Asst. Data Base Administrator		` 30,000.00 per month
1.G	Payment to 03 Electrician (on 24x7 environment)		` 3,17,664.00 (On daily basis (as per notification of Dept. of Labour))
2	Manpower for Secretariat LAN Project	₹ 16,36,152.00	Monthly remuneration for Secretariat LAN technical employee
2.A	Network Engineer	Monthly Remuneration	` 35,000.00 (as per Manpower RC, exclusive of taxes) i.e. Rs. 41300.00 per month
2.B	System Engineer		` 26,250.00 per month
2.C	Assistant Network Engineer		` 26,250.00 per month
2.D	Assistant System Engineer		` 21,100.00 (as per Manpower RC, exclusive of taxes) i.e. Rs. 24,898.00 per month

2.E	Payment to 02 Electrician		₹ 2,11,776.00 (On daily basis (as per notification of Dept. of Labour))
3	Hardware/HW up-gradation for Data Centre & Secretariat LAN Project	₹ 35,00,000.00	Networking equipments/items (like Networking/SAN Switch, Router, etc.) up-gradation of HW (like Memory, Storage, Computing etc.) and Upgradation of SAN Storage/Server NAS)
4	AMC of H/w & Infrastructure, Fuel, Lease Line, Electricity etc.	₹ 70,00,000.00	AMC of UPS, DG, Commercial AC/Fire Extinguisher, JAP-IT SDC, and Bandwidth charges, Electricity charges etc.
5	Sub-Total	₹ 1,50,21,816.00	Total of Sl. No. 1 to 4
6	Contingency	₹ 4,50,654.00	Administrative Expenses @ 3% of the Sub-Total
7	Total	₹ 1,54,72,470.00	Total of Sl. No. 5 & 6
8	JAP-IT AME	₹ 10,83,073.00	JAP-IT AME @ 07% of the Total
9	Grand Total (in figure) (Sl. No. 7 + 8)	₹ 1,65,55,543.00	Rs. One Crore Sixty Five Lakh Fifty Five Thousand Five Hundred & Forty Three only

Note: Fund may be released in different head, which is as under:

S.N.	Head	Sl. No. of above table	Proposed Amount
1.	Professional Services	Sl. No.: 1, 2, 6 & 8	₹ 60,55,543.00
2.	Maintenance	Sl. No.: 3 & 4	₹ 1,05,00,000.00

b. Infrastructure for Jharkhand State Data Center

- Jharkhand State Data Center (JH-SDC) Project is 50:50 funded by Government of India, Ministry of Electronics & Information Technology and Government of Jharkhand, Department of Information Technology & e-Governance.
- Provision of IT infrastructure in Jharkhand State Data Center (JH-SDC) Project has been made only for Pilot Application.
- There are many projects in pipe line to be deployed at Jharkhand State Data Center. They are:

Sl.N.	Project/Department
1	e-Office
2	CM Dashboard
3	MSBY
4	Transport Dept.
5	URBAN Dept
6	Registration
7	JAC
8	e-Disctric
9	Jharkhand Portal
10	Electrical Inspectorate

- Requirements of additional infra in existing project

Sl.N.	Application Name
1	PDS
2	JIMMS
3	MRR
4	State Permits
5	SDC Internal Infra

- Requirement of DR Integration

The JHSDC shall be seamlessly integrated with the National DR. The DR site for Jharkhand has been identified – it shall be the NIC DC at Shastri Park, New Delhi.

The replication will essentially be a storage based replication from JHSDC to DR. Backend storage will be provided by NIC at the DR site. Additionally, State has to procure other components as required (replicators etc) for both the end i.e. DR and JHSDC.

Comercial Proposal

SN	Item Description	Qty	Unit Cost	Total Cost	GST @18%	5 Years AMC Cost	Total Cost including AMC & Taxes
1	Server (64 Core, 1 TB RAM)	20	1850000	37000000	6660000	18500000	62160000
2	SAN(250 TB with Replicator)	1	27057529	27057529	4870355	13528765	45456649
3	NAS (14 TB)	2	150000	300000	54000	150000	504000
4	Tap Library (80 TB)	1	2000000	2000000	360000	1000000	3360000
5	Air Conditioner	2	40000	80000	14400	40000	134400
6	Win Svr DC Core 2016 SNGL OLP (16 C Lic)	80	644112	51528960	9275213	25764480	86568653
7	RHEL 6.4/7.4 Ent.	5	340095	1700475	306086	850238	2856798
8	SQL Svr Ent Core 2016 SNGL OLP	64	1438424	92059136	16570644	46029568	154659348
9	CA Enterprise Management system	1	2500000	2500000	450000	1250000	4200000
10	Server Antivirus	20	35000	700000	126000	350000	1176000
11	Application Switch	2	606015	1212030	218165	606015	2036210
12	Access Switch	2	180000	360000	64800	180000	604800
13	SAN Switch	2	146300	292600	52668	146300	491568
14	FI Switch	2	475000	950000	171000	475000	1596000
15	KVM Switch	2	261872	523744	94274	261872	879890
16	Passive Components	Lot	1000000	1000000	-	-	1000000
Grand Total							36,76,84,316

(Rupees Thirty Six Crore Seventy Six Lacs Eighty Four Thousand Three Hundred and Sixteen Only)

c. State Wide Area Network (SWAN) for Jharkhand (JharNet)

The Government of Jharkhand had conceptualized & setup the Jharkhand State Wide Area Network (JharNet) project during the period 2005–2006. This network primarily acts as the communication setup for the Government of Jharkhand for improving of Administrative effectiveness and efficiency by enabling improvement in the Quality of Service being provided to the citizens of the State through improvement of communication interfaces between Government-to-Government (G2G) and Government-to-Citizens (G2C).

The current JharNet network operates at multiple levels with the State Capital at Ranchi functioning as the State Head Quarters (SHQ) with the connectivity extending vertically to 24 District Head Quarters (DHQs), further to 37 Sub-Divisional Head Quarters (SDHQs) and also 214 Block Head Quarters (BHQs). Various Government Offices at SHQ, DHQs, SDHQs and BHQs are connected horizontally to the respective SHQ, DHQs, SDHQs and BHQs.

JharNet is currently operational by extending contract terms of existing Network Operator. Tendering process for selection of network operator for JharNet 2.0 is under way.

JharNet 2.0 : Jharkhand Agency for Promotion of Information Technology (JAP-IT) on behalf of Department of Information Technology and e-Governance, Government of Jharkhand has undertaken the project for upgradation, augmentation and implementation of the Jharkhand Network, hereafter referred to as JharNet 2.0. The current existing setup has been operational for almost 10 years and it has now become imperative to upgrade and augment the existing infrastructure to meet latest technological standards and its advancements. The increase in the user base of JharNet due to various online public service delivery platforms of the Government which are operational across the State and more participatory nature of governance at all levels, it has become necessary to enhance the bandwidth capacity of the JharNet and also make it redundant at multiple levels. It is proposed that the JharNet 2.0 would have the following major functionalities / features:

- i. Redundant & Reliable network
- ii. Higher bandwidth to enable faster access & faster response
- iii. Interoperable and scalable network so as to enable integration with other networks of the Government (NICNET, NOFN, BharatNet, etc.)
- iv. Video conferencing facility (Desktop based) to be extended up to the Block level
- v. Integrated collaboration platform
- vi. Enterprise Monitoring System with Helpdesk management features
- vii. Setting up and establishing standards such as ITIL, ISO 20000, etc.

A total number of existing 411 Points of Presence (PoPs) & offices would have to be connected, along with the newly identified offices & locations under JharNet 2.0, during the tenure of the project

S.N.	Head	Description	Amount (In Lakh)	Remark
1	JharNet (SWAN)	Roughly estimated amount for implementation of JharNet including bandwidth, TPA, etc.	12000.00	Tendering process for appointing new Service Provider for JharNet 2.0 in under progress. Exact amount will be discovered through tender. Mobilization advance (5%) and Capex cost (90% of Capex) is to be paid within 9 months from the date of signing of the agreement which is likely to be occurred in FY 2018-19.

Note: This is an indicative amount which may be change subject to the price discovered through the bidding process.

Thus a total of Rs. 5173.55 lakhs (OSP-2500, TSP-2673.55) is proposed for FY 2018-19 under the scheme “Maintenance of Data Centre, LAN, Portal & SWAN”.

10. Grant-in-Aid to Jharkhand Agency for Promotion of Information Technology (JAP-IT)

Jharkhand Agency for Promotion of Information Technology is a registered body under Societies Registration Act functioning under the administrative control of Information Technology & e-Gov Department. Most of the IT related projects of the State Government are being implemented by them.

It has been proposed to make Budget Provisions of **Rs. 38.16 lakhs (TSP)** respectively for 2018-19 as Grant to meet the salary of the officers of the State Government, who are deputed in JAP-IT.

11. Digital Survey Project – Rs 9.5 Lakhs under GIS/Remote Sensing head (OSP)

12. State e-Governance Projects

a. Bharat Net : National Optical Fibre Network (NOFN) - IT services in GP and connectivity to different Schools/PHCs/Police Stations/Anaganwadi Kendra in GP area.

The National Optical Fibre Network (NOFN) is a project initiated in 2011 to provide broadband connectivity to over two lakh fifty thousand (2,50,000) Gram panchayats across India. The project includes internet access using existing optical fibre and extending it to the Gram Panchayats. The project was intended to enable the Government of India and Govt. of Jharkhand to provide e-services and e-applications nationally. A Special Purpose Vehicle - Bharat Broadband Network Limited (BBNL) was created as a Public Sector Undertaking (PSU) for the execution of the project. The project is being funded by the Universal Service Obligation Fund (USOF). In the state of Jharkhand, Power Grid Corporation of India Ltd (PGCIL) is implementing this project on behalf of BBNL. In Jharkhand its being implemented in phase wise manner. Deployment of the project has already started for the first phase and BBNL is providing connectivity at GP level. Bharat net phase II will be implemented by Jharkhand Communication Network Limited (JCNL) a SPV formed under the state government. In year 2017-18 aim is to provide connectivity to all GPs and around 7000 different Govt locations(e.g. School, Helth Center, Aanganbadi, Police Station etc.)

The following services are under the scope of this project

- JharSewa (All 54 services of Govt. of Jharkhand)
- NDLM/DISHA scheme
- Digitize India Program
- UID/Election/ EPIC card printing
- Financial Inclusion
- Health Services
- Skill development
- Rural e-commerce
- Digital Locker Issuer department
- Telemedicine in PHCs
- e-education in schools
- Rural Wi-Fi
- Total amount of financial year 2017-24 is **Rs. 2,36,23,60,000.**
- Total required amount of financial year 2018-19 is **Rs. 3100 lakhs.**

b. Advisory services and implementation of CM Dash board :

- Provide advisory Services to CM Secretariat
- Design, Develop and prepare a State vision plan document for industrial and physical infrastructure, incorporating all the sectors being identified and selected by GOJ as key sector
- Provide vision implementation assistance and develop monitoring systems
- Design and implementation of CM dashboard management system.

SCOPE OF WORK AND CONDITION OF CONTRACT

The following are the scope of work covered under this Project and Services

Component I:

Part 1: Advisory Services to Chief Minister Secretariat (48 months)

Part 2: Design, Develop and Prepare a State Vision Plan Document for Industrial and physical Infrastructure, incorporating all the sectors being identified and selected by the Government of Jharkhand as “Key Sector” and provide Vision implementation assistance and develop monitoring systems (48 months)

Component II(Design and implementation of CM Dashboard Management System):

Component I – Part 1:

Consulting and Advisory Services provided to Chief Minister Secretariat

The following services are required by the Consulting Agency through their Onsite Support Personnel. Consulting agency will work under the Chief Minister Secretariat through a Minimum Team of 5 consultants (One Senior Consultant, Two Middle Level Consultants and Two Junior Level Consultants) to provide Advisory Services to CM Secretariat and assist in preparation of concepts note, new idea, Strategy, Business plan and Policy making on best practices adopted by various government organization nationally and internationally.

1. Assisting in Government reforms, policy and planning (but not limited to)
2. Planning (but not limited to)
3. IT, e-Governance and mobile-governance (but not limited to)
4. Finance (but not limited to)
5. Infrastructure Advisory and Public Private Partnership (but not limited to)

The above team will be supported by Sector/Subject Matter Experts who will be provided on need basis. For the F.Y. 2018-19 funds required under the head is **Rs. 150 lakhs**.

c. IT/ITeS (Consultancy) :

IT/ITeS Policy 2016, ESDM Policy 2016, BPO/BPM Policy 2016 and Startup Policy 2016 have been launched. Implementation for the same is being processed. For implementation and taking benefit of these policy consultant is working on behalf of the deptt. There is also provision of Nation and International Road Show. Considering the above, and amount of **Rs. 300 Lakhs** is proposed for the FY 2018-19.

d. Cyber Security:

The Crisis Management Plan for Countering Cyber Attacks and Cyber Terrorism outlines a framework for dealing with cyber related incidents for a coordinated, multi-disciplinary and broad based approach for rapid identification, information exchange, swift response and remedial actions to mitigate and recover from malicious cyber related incidents impacting critical business functions and processes of the Government of Jharkhand. Apart from this, the other purposes are: -

- a) To ensure that interruption or manipulations of critical functions/services in critical sector organizations of the state are brief, infrequent and manageable and cause least possible damage.

- b) To enable respective administrative Departments to draw-up their own contingency plans in line with Crisis Management Plan for countering cyber-attacks and cyber terrorism, equip themselves suitably to implement, supervise implementation and ensure compliance among all the organizational units within their domains.
- c) To assist organizations to put in place mechanisms to effectively deal with cyber security crisis and be able to pin point responsibilities and accountabilities right down to individual level.

This plan takes into consideration the crisis that occurs due to cyber security incidents and breaches, and presents a broad based approach to deal with such crisis. The approach and methodology of this Crisis Management plan are derived from the “Crisis Management Plan for Countering Cyber Attacks and Cyber Terrorism” prepared by Department of Electronics and Information Technology (DeitY), Government of India.

The field of cyber security is technology intensive and new vulnerabilities emerge with progress in technology giving rise to new types of incidents. As such, the plan of response to cyber security incidents needs to be updated on regular basis, preferably once in a year.

The Crisis Management Plan for Countering Cyber Attacks and Cyber Terrorism describes the following aspects:

- a) The Critical Sectors, Nature of cyber crisis and possible targets and impact of particular type of crisis on these targets.
- b) Crisis due to focused cyber-attacks affecting the organisations in critical sector such as Defense, Energy, Finance, Space, Telecommunications, Transport, Public Essential Services and Utilities, Law Enforcement and Security.
- c) Different Types of cyber crisis described include Large-scale defacement and semantic attacks on websites, Malicious code attacks, Large scale SPAM attacks, Spoofing, Phishing attacks, Social Engineering, Denial of Service (DoS) and Distributed DoS attacks, attacks on DNS, Applications, Infrastructure and Routers, Compound attacks and -High Energy RF attacks.
- d) Measures to be taken at organisational level for enhancement of security posture of Information and Network including implementation of Information Security Best Practices based on ISO 27001 standard, provisioning for Business Continuity Plan and/with Disaster Recovery, Awareness building and Security Training
- e) Incident handling and Management, Sharing of information pertaining to incidents and conducting mock drills to test the preparedness of Critical Infrastructure organisations to withstand cyber-attacks.
- f) Setting up of CERT Jhar and PMU to monitor day-to-day activities.

Considering the above, and amount of **Rs. 1500 lakhs** is proposed for the FY 2018-19.

e. **City Wi-Fi** : The main objective of this initiative was to reduce the burden on the GSM operators and shift the load to Wi-Fi based data access, which, will encourage and empower the

youth to avail the applications for a “cashless economy” which GoI is encouraging. BSNL has sent proposal to incorporate 135 Hotspot in 24 districts.

Financial implications :

S.N.	Item	Estimated Cost (INR)
1	Total Cost to implement 135 Hotspot in 24 Districts	39,87,000
	Total	39,87,000

For the FY 2018-19 fund required under the head is **Rs. 100 lakhs**.

f. Innovation/Incubation Centre :

Incubation Centre will be established in different Engineering Colleges/Management Institute & Other Colleges. Jharkhand Innovation Lab (JIL) has been established in Association with IIM Ahmedabad in Ranchi for the purpose to provide employment to the skilled used. There is provision of support and funding to individual and group and funding to start up under head 2.1 and 2.2.2 of the Policy. Apart from this every incubation center will be funded by Rs 50 lakh yearly. IIM Ahmedabad has been appointed for running the Jharkhand Innovation Lab.

Considering the above, and amount of **Rs. 600 lakhs** is proposed for the FY 2018-19.

g. Wi-Fi Hotspot in LWE effected Areas :

Ministry of Home Affairs, Govt. of India has approved a scheme for providing network connectivity in LWE affected areas across the country. A total of 782 sites have been selected for the same in the state. BSNL has been authorised to erect the Mobile towers in those areas. Till now, almost all the mobile towers are functional.

The State Govt. has decided to develop those sites as High Speed Internet Hubs. It would benefit the local Rural residents as well, there by achieving the objectives of Digital India and Cashless Jharkhand Campaigns.

Considering the above, an amount of **Rs. 1800 lakhs** is proposed for the FY 2018-19.

h. Common Duct Infrastructure : In the meeting held on 11.03.16 under the chairmanship of Chief Secretary, GoJ in the presence of Chairman, Telecom Regulatory Authority of India (TRAI), it was decided to implement the Common Duct Policy across the state. Under this project, a common duct infrastructure will be developed so that all the TSPs/IPs may be able to blow their Optical Fibre through it. TRAI has authorised TCIL for preparing the feasibility report for the same. It will be implemented in the town of Deoghar in the first phase as Pilot Project. TCIL has submitted the EOI, DPR & RFP for same. As per DPR, the total CAPEX inclusive of ROW (Rupees 1.26 Cr.), material plus services comes to Rs 38,81,28,720/- . Build Operate & Transfer (BOT) Design of PPP (Public Private Partnership) Model is being preferred for the Pilot Project of “Common Duct Policy” in DEOGHAR City of JHARKHAND. The department is in process to float the RFP regarding this. At present, the proposal will be sent for approval from Cabinet of Govt. Of Jharkhand.

Based on the suggested models, an amount of **Rs. 200 lakhs** is proposed for the FY-2018-19.

i. **JharSewa**-e-District is a Mission Mode Project under the National e-Governance Plan which aims at providing support to the basic administrative unit i.e. “District Administration” to enable content development of G2C services, which would optimally leverage and utilize the three infrastructure pillars, (SDC, SWAN & CSC) to deliver services to the citizen at his doorstep. The e-District project was conceptualized to enhance the efficiencies of the various Departments at the district-level to enable seamless service delivery to the citizen. The Mission of e-District project is ‘Strengthening the District administration to deliver government services in a simplified, transparent and convenient manner to the citizens, thereby leveraging the Information & Communication Technologies’.

Financial Details for FY -18-19

SN	Item Description	Final Requirement in Rs.	Remarks
1	Salary of EDMs	86,40,000	1 EDMs for 24 District @ 30,000 per Month
2	NICSI 3 Year O&M Cost	97,20,648	O&M 3 year- 20% of Rs. 4,86,03,238/-= Rs. 97,20,648/-
	JAP-IT PMU	10,80,000	2 Manpower (Project Manager @ 55,000 and Project Coordinator @ 35,000)
3	Sub Total Cost	1,94,40,648	
4	Administrative Cost	9,72,032	5% of Subtotal cost
5	Total	2,04,12,680	Two Corer Four Lakh Twelve thousand Six Hundred and eighty Only(TSP-104, OSP-100)

Under this scheme, a number of new schemes of State level importance are added from time-to-time viz Cashless Jharkhand (Smart Phones) & Others. To achieve the above objectives, a total of **Rs. 9203.34 Lakhs (OSP-4703.34, TSP-4500)** is proposed in the FY 2018-19.

B. New Schemes (State) :

1. JSAC New Building Construction – JSAC has proposed for construction of a new building for which it has been estimated to spend round Rs. 12.56 Cr. It is being planned as a green building. Cable ducts are being provided for external intercom, Internet cable etc. Water harvesting structure & pipeline for flower bed will also be provided. The building will be backed up by gride solar power. M/s Chadda & Associates has been involved as architect for construction of the building. In the FY 2018-19, it is proposed to make a budgetary provision of **Rs. 300 lakhs(TSP)**.

C. Schemes under Central Assistance to State Plan (SCASP)

1. National e-Governance Action Plan (NeGAP) (Central Share 50 : State Scheme 50)

a. **Common Service Center (CSC)** : The Common Service Center is being implemented by the Government of Jharkhand as per the guidelines of the Ministry of IT, Government of India under NeGP on a PPP model. The Common Service Centers in Jharkhand have been branded as Pragya Kendras.

b. **SSDG** : SSDG is a service delivery channel for all the Govt. to citizen (G2C) and Government to Business (G2B) service of the state. SSDG is a messaging Service, initiative taken by the Department of Information and Technology, GOJ at the state level. At the Central level, it is referred to as the NSDG (National e Governance Service Delivery Gateway). The state level and central gateway together form a constellation of Gateways. SSDG is a standard besed Messaging

and routing switch which provide seamless interoperability and exchange a data across multiple Govt. departments. The main objective of SSDG providing easy access to Government Services (both Informational & Transactional), Promotion of uniform web interface across Government using the National Service Delivery Gateway and delivery of services through Common Service Centers (CSCs) by leveraging the common infrastructure (SWAN, SDC etc.) and development of the applications and infrastructure required for deployment of State Portal and State Service Delivery Gateway (SSDG) for the State, Publishing the static data and all information of the State departments in line with guidelines for necessary integration with NPI.

c. State Data Centre : State Data Center is the core infrastructure for the e-Governance initiatives of the National e-Governance Plan (NeGP). A Data Center that consolidate services, applications and infrastructure on a common platform to provide efficient electronic delivery of government-to-government (G2G), government-to-citizen (G2C) and government-to-business (G2B) services.

The data centers are intended to provide a central data repository, secure data storage, online delivery of services, citizen information/services portal, state Intranet portal, disaster recovery, remote management and service integration.

It will be a well secured infrastructure created in each State where all the line departments who have their applications ready, would be in a position to host their applications and therefore, in a position to render services to end beneficiaries electronically.

The SDC infrastructure shall provide adequate space to house IT assets of various departments within the state in an environment that meets the need for reliability, availability, scalability, security and serviceability

d. Capacity Building : Capacity Building Project is used to develop the training skills/capabilities of the different levels of officials aware of IT and a step for making them more versed with different techniques for making projects successful.

Apart from these trainings, Capacity Building also includes operational expenses, IT infrastructure expenses, Travel and Boarding Expenses, SeMT Manpower, SeMT Trainings, PeMT Trainings, State Officials Training, Apex/Policy level Training, Centralized CBMC expenses, IT infrastructure, Outsourcing, Strengthening State training Institutions, Office Maintenance, External Resources.

e. e-District (State wide Roll Out) : E-District is a Mission Mode Project under the National e-Governance Plan which aims at providing support to the basic administrative unit i.e. “District Administration” to enable content development of G2C services, undertakes backend computerization to e-enable the delivery of these services to the citizen at citizen’s doorstep through Common Service Centers by leveraging the three infrastructure pillars, (SDC, SWAN & CSC). Jharkhand was selected as one of the pilot states for the implementation of the pilot e-District project and Ranchi was selected as the pilot district for implementation of the same. Thereafter, all the other districts have to provide services through e-District Roll-out Project through the Service Plus application of NIC.

Thus, under the scheme “National e-Governance Action Plan (NeGAP) (Central Share 50 : State Scheme 50)”, Rs. 400 lakhs (OSP) is proposed for the FY 2018-19.

Department of Information Technology & e-Governance Financial Year 2018-19

(Rs. In Lakhs)

S.N	Schemes	Outlay	OSP	TSP	SCSP
A.	Continuing Schemes (State Plan)				
1	IT Publicity	100		100	
2	IT Department Establishment	22.27		22.27	
3	Computerization of Govt. Deptts	2056.18	1056.18	1000	
	WAMIS-200				
	SMS Gateway-66.18				
	Payment Gat.-50				
	OAS-15				
	OASYS-6				
	CMO-50				
	Web-Cast-60				
	VC-20				
	e-Vidhan-1000				
	myGovPMU-7				
	IFMS-200				
	UDR-100				
	ASA(UID)-282				
4	Grant-in-Aid to JSAC	149.8		149.8	
5	Skill Development (Programme for youth)	50		39.6	10.4
6	STPI	1000	1000		
7	e-Procurement	7.2	7.2		
8	e-Office	490	200	290	
9	Maintenance of Data Centre, LAN, Portal (165.55) and SWAN (JharNet-5008)	5173.55	2500	2673.55	
10	Grant-in-Aid to JAP-IT	38.16		38.16	
11	Projects of GIS & Remote Sensing - (Digital Survey -9.5)	9.5	9.5		
12	State e-Governance Projects -	9203.34	4703.34	4500	
	Common Duct-200				
	Enterprenureship Development Fund-100				
	Rural Wi-Fi & Bharat Net-3100				
	CM Dashboard-150				
	IT/ITES Consultancy-300				
	Cyber Security-1500				
	DeGS Empowerment-1100				
	DigiDhan Mission-50				
	City WiFi-100				
	Innovation/Incubation Centre-600				
	LWE Wifi Hotspot-1800				
	Jhar Sewa-204				
B.	New Schemes (State Plan)				
1	Construction of JSAC New Building	300		300	
C.	Schemes under Central Assistance to State Plan(SCASP)				
1	National e-Governance Action Plan (NeGAP) (Central Share 50 : State Share 50) - (SDC-462, CSC-900, SSDG-110.31, Capacity Build.-200, e-Dist.-600)				
	Central Share	200	200		
	State Share	200	200		
	Total	19000	9876.22	9113.38	10.4
D.	Establishment Expenditure	172.57	172.57		
	Grand Total	19172.57	10048.79	9113.38	10.4