

GOVERNMENT OF RAJASTHAN
 Department of Information Technology & Communication

No. F.5 (1123)/DoIT/Tech/2018/04983/2019

Dated: 07.11.2019

Minutes of 78th meeting of SeMT dated 15-10-2019

The Seventy Eighth (78) meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Principal Secretary, IT&C on 15th October, 2019 at 12:30PM at Bhamashah State Data Centre (BSDC), Jhalana Doongari, Jaipur. List of participants is enclosed at Annexure – “B”.

The following decisions were taken in the meeting:

1. Project : Data Analytics work in Commercial Taxes Department (CTD) and development of infrastructure to fetch data from Goods & Service Tax Network (GSTN)

The Committee was informed about Commercial Taxes Department's project proposal of "Data Analytics work in Commercial Taxes Department (CTD) and developing infrastructure to fetch data from Goods & Service Tax Network (GSTN)". Commercial Taxes Department (CTD) needs the State Specific Data Analytics based on local factors like; trade dynamics, conduct of dealers, tendency towards evasion etc. for the purpose of achieving better tax administration with improved tax adherence and compliance.

Scope of Work (SoW):

There is requirement of Application development along with necessary computer hardware infrastructure. Department of IT&C has nominated RISL for execution/ developing application s/w for generating analytical reports by pulling the stated specific data from various APIs.

Financial Implication:

S. No.	Descriptions of work (Turnkey)	Qty.	Unit Cost (Incl. all Taxes)	Total Amount
1.	Application development along with necessary hardware infrastructure for 1 year	1	1,15,26000	1,15,26,000
Total				1,15,26,000
RISL Service Charges				11,22,080
CGST @9% on RISL Service Charges				1,00,987
CGST @9% on RISL Service Charges				1,00,987
Grand Total to be transferred to RISL				1,28,50,054
Say (Rs. in Lakh)				128.50
2.	Estimated charges for Facility Management Services (FMS) for five (5) years @ Rs. 20.00 lakh per year (excl. RISL Service Charge, Taxes, Levies etc., if any)			100.00 Lakh
Total Estimated Project Cost				228.50 Lakh

Fund Management:

Expenditure would be met from the fund available with Commercial Taxes Department.

Keeping in view the importance of work of Commercial Taxes Department, technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.

The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. 228.50 Lakh; subject to availability of budget provision.



2. Project : e-Power Project (Component - Appointment of Principal IT Consultant to NIC for development of in-house software for Jaipur/ Ajmer/ Jodhpur DISCOMS)

The Committee was informed about the project proposal Jaipur Vidyut Vitaran Nigam Ltd. (JVVNL). JVVNL intended for IN-HOUSE application software development through National Informatics Centre (NIC), Government of India, for DISCOMs Business Process; on the same pattern as it has already been developed by NIC for North/ South Bihar Power Distribution Company Ltd.

The Committee was also informed the facts that:

(a) In the meeting dated 05-02-2019, Process Application & Certification Team (PACT) Chaired by Managing Director, DISCOMS and Departmental Project e-Governance Mission Team (Dept. PeMT) approved the project proposal namely "Appointment of Principal IT Consultant to NIC for development of in-house software for Jaipur/ Ajmer/ Jodhpur Discom". On the request of Chairman, Discoms; NIC, Jaipur submitted the technical and financial proposal for development of IN-HOUSE software for DISCOM(s) Business Resources.

(b) Placement of Work Order to NIC/ NICSI:

As per rule 32 of the RTPP Rules, 2013, a procuring entity may procure subject matter of procurement from category of bidders, without inviting bids, as notified by the State Government, time to time. In this regard, a notification dated 04-09-2013 has been issued by Finance Department, GoR mentioned at S.No. 3 of Table of Notification as the Information Technology and e-Governance projects related services can be taken from NIC/ NICSI; subject to the technical and administrative approval of competent authority.

(c) Therefore, after getting approval of "PACT, Board of Director and Departmental PeMT, work order has been placed on 05-03-2019 to NIC/ NICSI, GoI; for "Appointment of Principal IT Consultant to NIC for development of in-house software for Jaipur/ Ajmer/ Jodhpur Discom".

Scope of the Work (SoW):

Following 10 modules proposed to be developed by the NIC-

- Meter Data Acquisition, Consumer Indexing & Asset Management.
- Billing
- Collection
- New Connection
- Disconnection & Reconnection
- Application for Consumers
- Dashboard for department/DISCOM officials
- MIS Reports
- Data Analytics
- Centralized Customer Care Services

Financial Implication:

Estimated cost (includes NICSI Charges & Taxes as per applicability) for development of aforesaid 10 No. of Modules is as under:

S.No.	Head Wise Details	Duration	(Rs. in Lakh)
1	S/w Development, Rollout & Support	5 Yrs.	1439.00
2	Tour, Travels & Consumables	5 Yrs.	50.00
3	Misc. & Contingency Expenditure	5 Yrs.	50.00
4	Security Audit	5 Yrs.	50.00
5	SMS Support (borne by the DISCOMs)	5 Yrs.	-
6	2 VMs on cloud for Development	5 Yrs.	40.00
	Total		1629.00

Fund Management:

All expenditure incurred for implementation and roll out of the project would share in equally by JVVNL/ AVVNL/ JdVVNL.

Details of In-principal approval by Principal Secretary, IT&C:

Vide Letter No. 3360 dated 14-08-2019 of DoIT&C the technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT for appointing NIC as principal consultant for e-power software solution (as a component of the entire e-Power project) by Energy Department/ JVVNL with terms and conditions informed JVVNL vide Letter No. 3148 dated 02-08-2019) as mentioned below:

1. Energy Department/DISCOMs will share detailed proposal for IT infrastructure, SDC charges separately.
2. Clarity on DR site requirements and its applicable charges need to be worked out.
3. Comprehensive future plan for uses of Artificial Intelligence (AI) and Data Analytics and availability of such tools may be worked out.
4. Road map for integration of existing application with ERP and RMS and other third party applications may be shared.
5. For future requirements, Energy Department will seek technical approval of SeMT; prior to entering into any third party MoU.
6. Project Steering Committee (PSC) and Process & Application Certification Team (PACT) being constituted by Energy Department/ DISCOMs to have the nominee of Commissioner and Special Secretary, Department of IT&C; not below the rank of Additional Director, IT&C.
7. State Data Centre (SDC) to be compulsorily used both for Application hosting & DR site.
8. State Resident data Hub to be integrated and used with the proposed application for having data sync on subsidy distribution to the citizen.
9. System Integrator (SI) to integrate Rajasthan Payment Portal (RPP) with application for payment handling.

The details of IT Infrastructure required at SDC and DR site suggested by NIC would be decided by a committee comprising of following officers CIT, JVVNL, SIO, NIC and AD, DoIT&C. Department is advised to hire the desired manpower keeping in view the provisions of the RTPP Act/ Rules and GF&AR.

The Committee accords ex-post-facto technical approval for "Appointment of Principal IT Consultant to NIC for development of in-house software for Jaipur/ Ajmer/ Jodhpur DISCOMS" of the e-Power project's aforesaid component; having estimated project cost of Rs. 1629.00 Lakh; subject to the conditions mentioned in the letter No. 3360 dated 14-08-2019 issued by Dept. of IT&C at the time of in-principal approval by Principal Secretary, IT&C.

3. Project : Forest Management Decision Support System version 2.0 (FMDSS-2.0)

The Committee was informed about the project proposal as it has been implemented keeping in view the strategic objective to make Forest Department's operations & processes more efficient and in-turn ensure smooth functioning of other forest wings and units. RajCOMP Info Services Ltd. (RISL) has developed it namely "Forest Management & Decision Support System (FMDSS)" which is a Single Integrated Web Based Management and Monitoring System, provides ease of accessing all the activities/ process information of Forest Department like forest produce, development & protection activities, crimes & offences, financial transactions etc. of the forest department and also to provide an online interface to the citizens for exchange of information and online services.

Duration of existing FMDSS:

Timeline scheduled for FMDSS was as six (6) months for application software development work and 3 years for Operation & Maintenance (O&M) support which is elapsing on next coming 31-07-2019.

Proposed Development of FMDSS 2.0:

In light of the above mentioned facts, there is requirement of development and implement a new version of the entire application namely as FMDSS 2.0 to:

1. Development of seamless application keeping essence of the application's key features
2. Segregation of Forest Management and Wildlife Management as separate modules
3. Development of new functionalities as per the departmental requirement
4. Integration of newly developed functionalities required with other modules
5. Development of Unified Dashboards with requisite interfaces for each level of users for ease of operations/ utilization of the application effortlessly
6. Development of textual, graphical and GIS intelligence based MIS built upon the transactional based processes of various end to end departmental functionalities for decision making processes.
7. Integration of the entire application with existing/ newly developed third party applications considering FMDSS 2.0 as repository application of Forest Dept.

Duration and Scope of Work (SoW) of proposed FMDSS 2.0:

The broad scope of the project includes but not limited to Study, Design, Development, Testing, Integration, and implementation services for FMDSS-2.0 for twelve (12) months, and thereafter, Operations & Maintenance Services for a period of five (5) years which will be divided in the two phases as follows:

A. Study, Design and Development Phase-

- (a) Study of existing system, New Modules and Enhancement Requirements
- (b) Development of FMDSS 2.0
- (c) Integration with other applications/ modules
- (d) Implementation and Support
- (e) Training and Capacity Building as and when required

B. Operations & Maintenance and Support Phase-

Five (5) years operations & maintenance support services to be provided for the developed application and requirement of new development/ enhancements also be catered during the O&M period.

Financial Implication:

Cost Estimation for Study, Design, Development, Testing, Integration and Implementation of Forest Management & Decision Support System- Version 2.0 (FMDSS-V2.0) with O&M period of five (5) years is mentioned as below:

		(Rs. in Lakh)
S.No.	Particulars	Total Price without GST
A.	Study, Design and Development Phase	
1.	Study, Design, Development with in Twelve Months	68.92
	Sub Total A	68.92
B.	Operations & Maintenance and Support Phase	
1.	O&M of Application for five years @ Rs. 49.00/Annum	245.00
	Sub Total B	245.00
	Total (A+B)	313.92

Note: Cloud Service charges of existing infra, RISL service charges and applicable GST will be extra.



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Year wise breakup of the project cost (adding tentative RISL Charges and GST in the above mentioned estimated cost) is as under:

(Rs. in Lakh)

S. No.	Project Phases	Year						Total
		0	1	2	3	4	5	
1	Study Design & Development Phase	68.92						68.92
2	Operations & Maintenance Phase		49.00	49.00	49.00	49.00	49.00	245.00
3	Total	68.92	49.00	49.00	49.00	49.00	49.00	313.92
4	GST @ 18% (Current Rate)	12.41	8.82	8.82	8.82	8.82	8.82	56.51
5	Total Cost	81.32	57.82	57.82	57.82	57.82	57.82	370.42
6	RISL Charges @ 10%	8.13	5.78	5.78	5.78	5.78	5.78	37.04
7	GST on RISL Charges @ 18% (Current Rate)	1.46	1.04	1.04	1.04	1.04	1.04	6.67
8	Total Project Cost	90.92	64.64	64.64	64.64	64.64	64.64	414.13

Fund Management:

Expenditure would be met from the fund available with Forest Dept.

Keeping in view the importance of work of Forest Department, on file technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.

The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. 414.13 Lakh; subject to availability of specific budget provision.

4. Project : Deployment of Secure Email Gateway and Email APT Solution with High Availability (HA) for Rajasthan State Data Centre (RSDC), Jaipur

The Committee was informed about the project proposal. Dept. of IT&C had deployed Secure Email Gateway Appliances in Rajasthan State Data Centre (RSDC) whose subscription expired in the month of May 2019.

Looking to the rapidly changing security threat landscape and the fact that Email being one of the primary channel/ carrier for spreading the threats, it is highly recommended and proposed to procure and deploy Secure Email Gateway Appliances in HA along with Email APT Appliance in HA at RSDC (Rajasthan State Data Centre) Jaipur.

The proposed Secure Email Gateway and Email APT appliances, which apart from providing basic functionality of sending/ receiving emails to and from Internet would also provide protection for both inbound/ outbound traffic including removal of Malware, Spam, Phishing, Spoofing, Bulk Emails, Marketing emails, Email/ Attachments with dynamic content/ scripts and other targeted attacks.

Required hardware items and its quantity:

S.No.	Item Description	Quantity
1	Secure Email Gateway Solution	1*
2	Email APT Solution	1*

* 1+1 in HA mode

Financial Implications:

Total Estimated Project Cost would be ₹ 350.00 Lakh (excluding Taxes, RISL Service Charges and 1% Contingency charges) and the project will be executed by RISL as earlier.

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CAPEX (including 3 Years OEM Subscription and Support) : ₹ 350.00 Lakh approx.
OPEX : NIL

Fund Management:

Expenditure would be met from funds available with Dept. of IT&C under the Budget Head of "SDC & NOC".

The Committee accords technical approval of the project with estimated project cost of Rs. 350.00 Lakh; subject to availability of specific budget provision.

5. Project : Project proposal for hiring of GIS experts for Districts & Headquarter of Watershed Development & Soil Conservation (WD&SC) Department

The Committee was informed about the project proposal that common guidelines of Government of Indian (GoI) for watershed programs lay emphasis on use of technology inputs in planning, monitoring and evaluation of watershed projects using scientific inputs especially GIS-Remote Sensing techniques. For PMKSY-Watershed Component (erstwhile IWMP), it is mandatory to Geotag watershed interventions on Bhuvan portal of ISRO & under MJSA also use of GIS-RS techniques is important feature in planning, monitoring & checking the techno-economic feasibility of proposed structures. In reference to RTTP-2013 Rules 32 for saving the time, money and efforts of the procuring entities required in inviting and processing of bids individually, Dept. is obtaining the services of GIS experts for districts and GIS lab through NICSi since October 2015.

In this context, one of the agenda of PeMT meeting held on 09-08-2019 was "Obtaining the services of GIS experts (after September 19)". It was decided by PeMT members that looking to the satisfactory services provided by NICSi, it might again be asked to provide the services of GIS experts even after September 2019 to March, 2020 and if NICSi does not agree department can procure as per RTTP Act/ Rules.

GIS experts as per details given below are to be hired through NICSi (10 at Commissionerate level & 32 at district level) :-

S.No.	Man power/ Category	No. of Resource(s)
1	Tech lead-GIS	1
2	Senior Image Processing expert	4
3	Image Processing expert	36
4	GIS developer/ Analyst	1

Financial Implication:

For obtaining services of GIS experts, estimated expenditure for six month is around Rs. 100.00 Lakh (excluding taxes, if any).

Fund Management:

Expenditure would be met from the fund managed by WD & SC Dept. at its own level.

The Committee directed to constitute a Committee consisting the member(s) as Shri Y.K. Jain, Additional Director, DoIT&C, Smt. Sushila Yadav, Jt. Director, WD&SC Dept. and Smt. Shweta Saxena, ACP (DD), DoIT&C; to overall review the project, and integration of this project with RajDHARA under the guidance of Shri Y.K. Jain by involving the GIS team of Dept. of IT&C.

The Committee accords technical approval of the project with estimated project cost of Rs. 100.00 Lakhs (excluding taxes, if any); subject to availability of specific budget provision.



6. Project : Technical Advisory Services for Project Management Units (PMUs) for Department of Social Justice & Empowerment (DoSJE)

The Committee was briefed about the project proposal. Department of Social Justice and Empowerment (DoSJE), Government of Rajasthan (GoI) intends to set up Project Monitoring Units (PMUs) through NICSI empanelled agency to take care of technical advisory and support to four of its directorates namely Directorate of Social Justice and Empowerment, Directorate of Specially Abled Persons, Directorate of Child Rights, and SC-ST Development & Finance Corporation. DoSJE is responsible for creating equitable society by catering to the needs of the most vulnerable population section in the State. DoSJE has decided to hire the services of the agencies empanelled with NICSI to advise us on the subject and create PMU team for Technology/ Information Technology support.

Scope of Work of PMU (Technology/ Information Technology) Team

I. Technical Advisory Services

- Transition of existing e-Governance Solution, the Social Justice Management System (SJMS) Application
- Support the Existing Solution
- Business Continuity Support
- Requirement Gathering
- Enterprise Architecture Design
- Solution Framework Design
- Best Practice Adoption
- Document Preparation (SRS including FRS & BRD and Enterprise Architecture Document)
- Test Plan, Test Cases and facilitating UAT
- Program Management Support services
- Change Requirement assessment for finalizing enhancement, new module development
- Capacity Building and Training

II. Implementation and Support services

- Design, Development, Testing, deployment of New Application Modules in Staging and Production Environment at SDC
- Integration with other existing applications of Government of Rajasthan using standard API/ Web Services
- Design and development of Mobile Application(s) for schemes as required by the department
- Data Validation and Migration
- Application Testing (Performance & Monitoring, Integration, Security Testing and Bug Fixing)
- Application maintenance, Version Management and Technical Support Services for application issue handling
- Design and development of new modules, enhancements during Support period (If required)

III. Implementation Approach

Various schemes are run by the department, some of schemes are already computerized and some are still in manual mode. Based on the requirement from the Department/Directorates and scheme computerization feasibility, the PMU team will develop/redevelop/restructure application system(s).

a. Manual Schemes:

Many schemes are still operational in manual mode; the PMU team will check the feasibility of schemes and take the approval from the concerned Department/ Directorate/ Corporation for computerization of that scheme, after department's approval, schemes shall be computerized by the PMU team. In this regard, newly

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introduced schemes by the department will also be taken into consideration for computerization.

b. Computerized Schemes:

Various schemes are computerized and maintenance is in control of SJED, these schemes runs on different applications which were developed in different periods. These schemes do not share common technical platform and architecture and have many bugs/issues/technical limitations of used proprietary tools etc. and there was no provision for MIS report generation. This decentralized structure require much efforts in maintenance so it is proposed to redevelop a single common application system which should support all these schemes using a robust enterprise architecture and also maintain departmental portal (<http://sje.rajasthan.gov.in>)

Financial Implication

The PMU team for Information Technology be engaged through NICSI for initial period of 24 months in project mode. Going through NICSI route will save time and agencies can come on board in one months' time. The consultants' fee is estimated to be ₹10.53 Crores for 24 months including NICSI charges @ 7% and GST @ 18%. Details are given below:

Particulars	(Rs. in Lakh)
1 st Year Estimated Cost	696.53
2 nd Year estimated cost	355.90
Total Cost for two years	1052.43

Estimated cost worked-out on basis of Manpower Deployment Plan as follows:

The PMU Team will consist following manpower for duration of 24 months at the Department of Social Justice & Empowerment (Ambedkar Bhawan):

Cost Estimation - PMU (Technology/Information Technology) (SJED, SAP, DCR, SCST Corporation)									
S. No.	Role	Resource Category	Yr.-1 MM	Yr.-2 MM	Total man-month	NICSI MM Rate including NICSI charges	Year 1 cost	Year 2 cost	Total project cost
1	Project Manager	Management Consultant (10 yrs. & < 15 yrs.)	12	12	24	358236	4298832	4298832	8597664
2	Solution Architect	Technology Consultant (6 yrs. and < 10 yrs.)	12	6	18	323568	3882816	1941408	5824224
3	Business Analyst Functional Requirement	Management Consultant (6 yrs. and < 10 yrs.)	12	0	12	288900	3466800	0	3466800
4	Business Analyst Technical Requirement	Technology Consultant (6 yrs. and < 10 yrs.)	12	6	18	288900	3466800	1733400	5200200
5	Analytics Expert	Technology Consultant (3 yrs and < 6 yrs.)	8	6	14	288900	2311200	1733400	4044600
6	Database Expert	Technology Consultant (3 yrs and < 6 yrs.)	12	6	18	288900	3466800	1733400	5200200
7	Application Development Experts - .NET	Technology Consultant (3 yrs and < 6 yrs.)	60	24	84	288900	17334000	6933600	24267600
8	Junior .NET Development	Technology Consultant	48	24	72	231120	11093760	5546880	16640640

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	it Experts	(1 yrs and < 3 yrs.)						
9	QA / QC Expert	Technology Consultant (3 yrs and < 6 yrs)	12	6	18	288900	3466800	1733400 5200200
10	Mobile App Developer & UX Design Experts	Technology Consultant (3 yrs and < 6 yrs)	12	6	18	288900	3466800	1733400 5200200
11	Tech. Support, Application Server cum System Administrator	Technology Consultant (1 yrs and < 3 yrs)	12	12	24	231120	2773440	2773440 5546880
			212	108	320	Subtotal	59028048	30161160 89189208
						Add GST @ 18%	10625049	5429009 16054057
						Total Cost including NICSI Charges and GST	69653097	35590169 105243265

Fund Management

As the PMU would be supporting all the four directorates/organizations under the aegis of Administrative Department, thus funding for PMU would be pooled from all the four (Directorates) on basis of funds availability.

Committee directed that Sr. Project Officer (SeMT), looking after the project of DoSJE shall raise Statement of Estimated Expenditure (SoEE)/ Bill through RISL for due payments of DoSJE. System Analyst (Joint Director), DoSJE will coordinate with Shri R.L. Solanki, Additional Director, RISL to ensure that all the beneficiaries of DoSJE come over the Janadhaar portal. DoSJE is advised to hire the desired manpower keeping in view the provisions of the RTPP Act/ Rules and GF&AR.

The Committee accords technical approval of the project with estimated project cost of Rs. 1052.43 Lakh; subject to availability of specific budget provision.

7. Project : Procurement of Computer Hardware (i.e. Desktop Computers, Laptops, Laser Jet Printer, Multi-Function Printer etc.) for Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RVPN)

The Committee was briefed about the project proposal. After Go-live of SAP-ERP in RVPN, it is necessary to equip all offices of RVPN with latest version of Computer/ IT hardware system. Therefore, a consolidated tentative requirement of IT hardware i.e. Desktop Computers with UPS, Laptops, Laser Jet Printer, Multi-Function Printer (MFP), and Color Printer etc. along with technical specification having estimated cost Rs 6.97 Crore for all the offices of RVPN have been worked out. The proposal was approved by Project e-governance Mission Team (PeMT).

Required hardware items, its quantity and financial implication:

The estimated cost worked out Rs 6.97 Cr. after finalization of net requirement of IT hardware for all offices of RVPN, is as mentioned below:

S.No.	Item Description	Qty.	Estimated Unit Rate	Total	(Rs. in Lakh)
1	Desktop Computer	531	0.60	318.60	
2	All in one computer	133	0.62	82.460	
3	Laser Jet Printer (Black)	483	0.10	48.300	
4	Multi-Function Printer(Black)	54	0.22	11.880	
5	Colour Printer	1	0.40	0.400	

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6	Scanner	31	0.44	13.640
7	Uninterruptable power supply	664	0.09	59.760
8	Laptop	70	0.75	52.500
9	Preloaded (Latest version) antivirus of Trend Micro/Symantec/Sophos with 5 years subscription	734	0.008	5.872
10	Total Amount (excluding GST)			593.412
	GST			106.814
	Total Amount including GST @ 18%			700.226
	Say Rs.			700.00

***Technical specifications are enclosed at Annexure - A.**

Fund Management:

Expenditure would be met from the fund available with RVPN.

Keeping in view the importance of work of RVPN, on file technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.

The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. 700.00 Lakh; subject to availability of specific budget provision.

8. Project : Operation & Maintenance of New e-Mitra Application for 5 Years.

The Committee was informed about the project proposal that e-Mitra is an ambitious e-Governance project of the State Government for providing e-platform to provide Government Information and Services to Rural and Urban masses through a system of centres & kiosks.

Services are being delivered through e-Mitra Application utilizing the e-Mitra kiosk network spread across the state. Earlier, the development of e-Mitra application was outsourced to M/s MindTree Ltd in 2007-08, where the focus was majorly to deliver services like collection of utility bill payment (electricity/ water bills).

As the project began to grow, services were continuously being added to the service basket, third-party applications like CSC SPV, ICICI Prudential, RSRTC, e-GRAS, etc. and Payment Gateway of various banks like SBBJ, ICICI Bank, Axis Bank, Bill Desk Payment Gateway Aggregator were integrated with e-Mitra application in patches by various companies including M/s UTIITSL, M/s Mind Tree Ltd, M/s Wipro Ltd.

With continuous adding on of services and expanding of the project there was an urgent need for a next generation IT platform for enhanced service delivery, that had the potential to be a game changer in the overall implementation of e- Governance across the country.

Need to enhance the system:

There were multiple issues and requirement that needed immediate attention in perspective of a proper service delivery mechanism for the state as mentioned below:

- Connectivity in rural areas is a primary issue which needs to be catered. This may be done through offline forms and thin applications.
- Multimodal interface for service delivery and ease of operations is the need of the hour for service delivery.
- Automated and end to end process management along with automated workflow shall build the baseline for new service delivery architecture.
- Gateway linkages, ensuring one common frontend for multiple backend applications, integrated through a centralized gateway mechanism ensuring quality and technical advanced integration with backend workflow applications.
- Automation of Accounting, Reconciliation & Fund Transfer through online fund transfer ensuring timely payment of commission charges

- Concurrency, scalability to handle voluminous transactions

Efforts done so far:

The Committee was also informed that as part of its vision to provide Good Governance to its citizens, the Government intended to redesign the state's e-Delivery framework and create a 'One-Stop-Unified and Integrated Service Delivery Platform' using ICT so as to enhance Quality, Transparency, and Accountability in the delivery of services to the citizens of the state.

For this, an Application Development service provider was selected through RISL by way of an open bid procedure for Design, Development, Commissioning and Maintenance of New e-Mitra Application for a period of 5 years. A two-stage open competitive bidding procedure was adopted for selection of the service provider and M/s Wipro Ltd was selected for development and maintenance of new e-Mitra application.

Current status:

Currently, the development of e-Mitra application has been completed and O&M phase has started from 01-08-2017.

Financial Implication:

The financials received from M/s Wipro Ltd. is mentioned below:

S. No.	Description of Work/ Items	Qty.	Unit	Quotation by Wipro Ltd (incl. of all taxes except service tax)
1	e-Mitra Software Solution Development Cost	1	No.	3,22,00,247.30
2	Operations & Maintenance (O&M) Cost	5	Year	3,52,51,825.00
Total				6,74,52,072.30
Say Rs.				675.00 Lakh

Fund Management:

Expenditure would be met from the fund available under e-Mitra project, as the project has become self-sustainable.

The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. Rs. 675.00 Lakh (exclusive of service tax/ GST) for Design, Development, Commissioning and Maintenance of New e-Mitra Application for a period of 5 years through RajCOMP Info Services Ltd. (RISL).

9. Project : Jan Soochna Portal

The Committee was briefed about the project proposal of Public Information Portal (Jan Soochna Portal). It is the first of its kind initiative in which information about all the schemes implemented by the Government in the Ward/Panchayat is disclosed at one place i.e. portal <http://jansoochna.rajasthan.gov.in/>.

The portal is now available through web version, e-Mitra Plus Self Service Kiosk and Mobile App as it has already been launched on 13 September 2019 by Hon'ble Chief Minister, information related to 23 services of 13 departments is made available in public domain. A roadmap has been separately made for bringing all services under this portal in line with Section 4 (2) of the RTI Act and Rajasthan Information Technology (Electronic Delivery of Services) Rules, 2019 drafted in compliance with Electronic Service Delivery Rules, Government of India.

Current status of the services' development for the application:


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Jan Soochna Portal services are presently available in following three platforms

- Web (Desktop & Mobile) version at <http://jansoochna.rajasthan.gov.in>
- Mobile application for Android and iOS
- E-Mitra Plus both Rural and Urban Self Service Kiosks

e-Mitra Plus Self Service Kiosk

• e-Mitra Plus Rural	- Self Service Kiosk with LED Display
• e-Mitra Plus Urban	- Self Service Kiosk with Card Printer

In compliance to State Budget announcement, Self-service Kiosks (also known as e-Mitra Plus) are deployed throughout the State as an extension of e-Mitra network. Also approved by SeMT, e-Mitra plus rural Kiosks are deployed at Rajeev Gandhi IT Sewa Kendra in each of 9891 Gram Panchayats and a total of 5000 kiosks in urban locations are under deployment.

Currently, there are 70 services of e-Mitra on-boarded on e-Mitra Plus. As all services of e-Mitra available through web portal would need to be brought on e-Mitra Plus, there would be a requirement of continuous development as well operations and maintenance support required in this project.

Scope of Work (SoW):

It is estimated that there would be a need to select a service application development services agency for providing ongoing development and O&M of Jan Soochna portal for a period of five years. It is also pertinent to mention that application development services for feature enhancement of e-Mitra Plus Self Service Kiosk is also required to be hired along with the same. It is also reasonable to propose that application development services for both viz. of Jan Soochna portal and feature enhancement of e-Mitra Plus Self Service Kiosk & its O&M may be hired from one agency as same will be cost effective also.

Financial Implication:

The resource-wise breakup for application development services & its O&M for five years is estimated as below:

S. No.	Role	Qty.	Per Month Unit Charges	Total
1	Project Manager	1	85,000	10,20,000
2	Project Coordinator	1	80,000	9,60,000
3	System Admin (Technical)	2	70,000	16,80,000
4	Sr. Developer	2	60,000	14,40,000
5	Developer	4	50,000	24,00,000
6	DBA	2	50,000	12,00,000
7	Help Desk	5	20,000	12,00,000
Total Estimated Charges for Year 1				99,00,000
Total Estimated Charges for Year 2				1,08,00,000
Total Estimated Charges for Year 3				1,19,00,000
Total Estimated Charges for Year 4				1,31,00,000
Total Estimated Charges for Year 5				1,43,00,000
Total Estimates for Five Years				6,00,00,000
Say Rs.				600.00 Lakh

Fund Management:

Expenditure would be met from the fund managed from the DoIT&C's Budget.

The Committee accords technical approval of the project with project cost of Rs. 600.00 Lakh; subject to the approval of Finance Department.



10. Project : Application Maintenance Services (AMS) for three (3) years for "Biometric Attendance System Project"

The Committee was briefed about the project proposal. The Biometric Attendance System is an Integrated Software Solution which integrates in Real time the Biometric Attendance of all Employees of an organization spread across multiple offices in multiple Geographical area to provide real time monitoring and MIS of attendance pattern of the organization. The "Biometric Attendance System" application as a generalized application which can be readily implemented for any department or PSU to cater their attendance management requirements.

Current Status:

The Solution has already been deployed and running successfully in various departments of Government of Rajasthan as mentioned below:

- Government Secretariat, Jaipur
- All Collectorate offices, State of Rajasthan
- State Data Centre(s)
- Department of Information and Technology & Communication

At present, more than 3000 employees in 37 offices of Rajasthan are using the Biometric Attendance System daily for Check in and Check out and for applying the leaves.

Proposed Scope of the Work (SoW):

Also, to ensure uninterrupted availability of the biometric attendance services to the users, it is imperative to avail the Application Maintenance Services (AMS) for three (3) years. These services shall be delivered through 1 Project Lead, 2 Senior Developers and 2 Helpdesk support executives.

Financial Details:

The financial implication evaluated by technical team for Man Month effort Estimates for Application Maintenance Services (AMS) for three (3) years would be as under:

S. No.	Resource category	No. of resource	Man Month Rate	No. of Man-Month	Total Cost (excl. GST)	GST@18 %	Total Cost (incl. GST @ 18%)
1	Project Lead	1	64,800	6	3,88,800	69,984	4,58,784
2	Senior Developer	2	41,040	6	4,92,480	88,646	5,81,126
3	Helpdesk support	2	24,500	6	2,94,000	52,920	3,46,920
4	Total(1+2+3)	5	1,30,340	18	11,75,280	2,11,550	13,86,830
5	Change request (man-months)		41,040	6	246240	44,323	2,90,563
6	Total Cost(4+5)						16,77,394
7	RISL Service Charge @10% on S.No 6						1,67,739
8	Applicable GST @18% on RISL Service charge (S.No 7)						30,193
9	TOTAL PROJECT COST (6+7+8)						18,75,326
					Say Rs. (in Lakh)		18.75

Fund Management:

Expenditure would be met from funds available with Dept. of IT&C under the Budget Head of "Backend Computerization & New Projects".

This has also been informed in the meeting that a bio-metric attendance system has been developed under the UID project and it is working successfully in many departments.

The Committee is in the view that the existing bio-metric system should be replaced by new - bio metric attendance system developed under the UID project.

Hence, the Committee accords technical approval of the proposal for six (6) month duration only [instead of thirty six (36) month duration] with estimated project cost of Rs. 18.75 Lakh; subject to availability of specific budget provision.

11. Project : Revised project proposal for Chief Minister's Information System (CMIS) due to change in Scope of Work and cost estimations of the project

The Committee was briefed about the revised project proposal of "Chief Minister's Information System". It is an integrated web-enabled information and decision- support system developed for the computerization of the core activities of the office of Hon'ble Chief Minister (Rajasthan) with an objective to provide speedy and accurate information to Hon'ble Chief Minister and top level functionaries on anywhere - any time basis.

Project cost approved earlier in SeMT / PAC:

1. Details of financial estimates approved in the **56th meeting of SeMT** held on 20-03-2015 for the project Chief Minister's Information System (CMIS) is as below:

S.No.	Description	Total Estimated Cost			(Rs. in Lakh)
		Approved in SeMT (excl. of RISL service charges & applicable taxes)	Additional Requirement	Revised total cost	
1.	Project costing Rs. 54.00 Lacs was ratified for execution through RajCOMP for 24 modules	54.00	----	54.00	
2.	Development, Customization, Integration & Implementation of web based applications	18.00	110.00	128.00	
3.	Facility Management Services (maintenance & enhancement) of the developed applications, along with services of Data Card	17.62	25.00	42.62	
Total Estimated Cost					224.62
RISL Service Charges as per approved rates and Service Tax (as applicable)					22.77
Total Estimated Project Cost including RISL Service Charges and Taxes					247.39

2. Details of revised financial estimates approved for the project Chief Minister's Information System (CMIS) in the 61th meeting of SeMT held on 14-07-2016 is as below:

S. No.	Description	Total Revised Cost		(Rs. in Lakh)
		1	2	
1	Development, enhancement, customization, integration and implementation of application modules		272.00	
2	Facility Management Services of the developed applications, along with services of Data Card		92.62	
3	Total estimated cost (excl. RISL service charges & applicable Taxes)		364.62	



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S. No.	Description	Total Revised Cost
4	RISL Service Charges as per approved rates & Service Tax/ GST (as applicable)	37.95
5	Total Estimated Project Cost including RISL Service Charges and Taxes	402.57

Broad Scope of Work (SoW) for additional requirements:

- As per current requirement, following client-server based applications of CMO are required to be converted into web based applications on .Net platform
- Facility Management Services of the developed applications.
- Customization, conversion and enhancement of the existing developed applications as per requirement of CM Office
- Development of new website for CM Office
- Development of mobile application and CMIS Dashboard
- Development of GIS based Tour and Daily Programs of Hon'ble Chief Minister
- Development of following applications under .Net Platform
 - Generic Letter Monitoring System
 - News Monitoring System
 - Grievances Monitoring System
- Development of new applications as per requirement of CM Office

Post facto approval:

Post facto approval for continuations of the project for the financial Year from 2017-2019

Duration of the project:

The nature of the project is continuous and on-going. The period of the project is proposed to enhance further for three (3) consecutive financial years 2019-2022.

Implementing Agency:

For implementing the CMIS project, RISL has already been approved as implementing agency in earlier SeMT meetings.

Financial Implication/ Budgetary Estimates

Budgetary provision to meet out urgent requirement of CMO and for maintenance, upgradation and enhancement of the developed applications are as under:

(Rs. in Lakh)

S. No.	Description	Total revised Cost		
		Approved 61 th meeting of SeMT held on 14-7-16	Additional Requirements	Revised Total Cost
1	Development, enhancement, customization, integration and implementation of application modules	272.00	300.00	572.00
2	Facility Management Services of the developed applications	92.62	225.00	317.62
3	Requirement of Hardware and related items for CM Office	0.00	150.00	150.00
Total estimated cost (excl. RISL service charges & applicable Taxes)		364.62	675.00	1039.62
RISL Service Charges as per approved rates and Service Tax/ GST (as applicable)		37.95	55.76	93.71
Total Estimated Revised Project Cost including RISL Service Charges & Taxes		402.57	730.76	1133.33

Fund Management:

Expenditure would be met from funds available with Dept. of IT&C under the Budget Head of "CMIS".





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The Committee accords technical approval of the project with the revised project cost Rs. 1133.33 Lakh; subject to availability of specific budget provision and also accords post facto technical approval for continuation of the project for the Financial Year 2017-2018 and 2018-2019.

Meeting ended with a vote of thanks to the chair.

This bears the approval of competent level.

(B.S. Nathawat)
Technical Director &
Joint Secretary, IT&C

Copy is forwarded for kind information and further necessary action (if any) to:

1. P.S. to Addl. Chief Secretary, Rural Development & Panchayati Raj, Jaipur
2. P.S. to Addl. Chief Secretary, Finance Department, Rajasthan, Jaipur
3. P.S. to Principal Secretary, Planning Department, Rajasthan, Jaipur
4. P.S. to Principal Secretary, Dept. of IT&C, Rajasthan, Jaipur
5. P.S. to Principal Secretary, Department of Social Justice & Empowerment, Jaipur
6. P.S. to Principal Secretary, Forest Department, Rajasthan, Jaipur
7. P.S. to Principal Secretary, Energy Department, Rajasthan, Jaipur
8. P.S. to Chairman & Managing Director, Raj. Rajya Vidyut Prasaran Nigam Ltd., Jaipur
9. P.S. to Commissioner, Commercial Taxes Department, Rajasthan, Jaipur
10. P.S. to Commissioner & Special Secretary, Dept. of IT&C, Rajasthan, Jaipur
11. P.S. to Director, Social Justice & Empowerment Department, Rajasthan, Jaipur
12. A.P.S. to Director (Technical), RajCOMP Info Services Ltd. (RISL), Jaipur
13. P.A. to Principal Chief Conservator of Forests, (HOFF), Rajasthan, Aranya Bhawan, Jaipur
14. P.A. to Addl. Principal Chief Conservator of Forests (IT), Raj., Aranya Bhawan, Jaipur
15. P.S. to Commissioner, Watershed Development & Soil Conversion Dept., Jaipur
16. P.A. to Joint Secretary (Expenditure-III), Finance Department, Raj., Jaipur
17. Shri Pramod Agarwal, Technical Director, Department of IT&C, BSDC, Jaipur
18. P.A. to Chief Engineer (IT), Raj. Rajya Vidyut Prasaran Nigam Ltd., Jaipur
19. P.A. to Additional Chief Engineer (M&P-IT), Jaipur Vidyut Vitaran Nigam Ltd., Jaipur
20. Shri A.K. Tyagi, Superintending Engineer, Jaipur Vidyut Vitaran Nigam Ltd., Jaipur
21. Shri Manish Athaiya, Executive Engineer, Raj. Rajya Vidyut Prasaran Nigam, Jaipur
22. Shri Kamal Singh, Executive Engineer, Raj. Rajya Vidyut Prasaran Nigam, Jaipur
23. DDG & SIO, NIC, Rajasthan, Jaipur
24. Financial Advisor, Dept. of IT&C, Jaipur
25. Shri Rajeev Gupta, Addl. Director, Commercial Taxes Dept., Jaipur
26. Shri Y.K. Jain, Addl. Director, Dept. of IT&C, Jaipur
27. Shri R.L. Solanki, Addl. Director, Dept. of IT&C/ RISL, Jaipur
28. Shri Ramesh Chand Sharma, Addl. Director, Dep. Of IT&C, Jaipur
29. Shri R.K. Sharma, Addl. Director, Dep. Of IT&C, Jaipur
30. Shri Anil Kumar Singh, Group General Manager (Technical) RISL, Jaipur
31. Shri Rajesh Saini, General Manager (Technical), RajCOMP Info Service Ltd. Jaipur
32. Shri Praveen Kumar Bhardwaj, S.A. (Joint Director), Dep. Of IT&C, Jaipur
33. Ms. Sonia Chaturvedi, S.A. (Joint Director), Dep. Of IT&C, Jaipur
34. Shri Mahesh Kumar Gupta, S.A. (Joint Director), Social Justice Dept., Jaipur
35. Director, LNMIIT, Jaipur
36. Shri Rajeev Gujral, Sr. Project Officer, Dept. of IT&C, Jaipur
37. Shri Manish Kumar Sharma, A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
38. Shri Umesh Chandra Joshi, A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
39. Shri Dinesh Gurjar, A.C.P. (Dy. Director), Forest Dept., Jaipur
40. Guard File

(Sushil Parihar)
Additional Director, IT&C

Annexure-“A”

 Technical specification of computer hardware (required by RVPNL)
 Recommended by Department of IT&C

Desktop/ All-In-One PC

S. No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C	
		Desktop	All-in-one PC	Desktop PC
1	Operating system	Windows 10 Professional 64 bit preloaded with recovery system	Windows 10 Professional 64 bit preloaded with OEM recovery partition	Windows 10 Professional 64 bit preloaded with OEM recovery partition
2	Processor	Intel® Core™ i5 (8 Generation) 6 core, with minimum 2.8 GHZ	Intel i5 (8 Generation) 6 core, with minimum 2.8 GHZ or higher (Base Frequency), 6 MB Cache or higher	Intel i5 (8 Generation) 6 core, with minimum 2.8 GHZ or higher (Base Frequency), 6 MB Cache or higher
3	Chipset	Compatible chipset	Compatible chipset	Compatible chipset
4	Memory	4GB DDR4, 2666MHz upgradable to 32 GB or higher	8GB DDR4 2666MHz or higher	8GB DDR4 2666MHz or higher
5	Hard drive description	1 TB 7200 RPM SATA Drive	1 TB 7200 RPM SATA Drive	1 TB 7200 RPM SATA Drive
6	Optical drive	DVD-RW Writer	DVD-RW Writer	DVD-RW Writer
7	Monitor	Minimum 19.0 inch or higher, HD resolution (1300x678/1600x900) LED, TCO 07 certified monitor.	Minimum 21.0" inch or higher Full HD display, TCO Certified	Minimum 19.5" inch or higher Full HD display, TCO Certified
8	Graphics	Integrated HD Graphics	Integrated HD Graphics	Integrated HD Graphics
9	PCI Slot	1-PCIe x1, 1-PCIe x16 and 1 PCI (Full/Half).	Not to include in the specification as they are standard	Not to include in the specification as they are standard
10	Bays	1-Internal, 1- External	Not to include in the specification as they are standard	Not to include in the specification as they are standard
11	I/O Ports	Minimum 8 USB ports out of which Min 4 USB 3.0 OR Minimum 6 USB ports out of which Min 2 USB 3.0, Universal audio jack for headphone/ mic, 1-VGA, 1-HDMI.	Minimum 6 USB ports out of which Min 2 USB 3.0 OR higher, 1 type C, 1-Display Port/HDMI, integrated HD webcam, Universal audio jack for headphone/ mic	Minimum 6 USB ports out of which Min 2 USB 3.0 OR higher, 1-HDMI/VGA, Universal audio jack for headphone/ mic
12	Keyboard	OEM USB Keyboard	OEM USB Keyboard	OEM USB Keyboard
13	Mouse	OEM USB Mouse	OEM USB Mouse with pad	OEM USB Mouse with pad
14	Network interface	Integrated 10/100/1000 on board network port	Integrated 10/100/1000 with 3 Mtr. CAT6 Patch Cord	Integrated 10/100/1000 with 3 Mtr. CAT6 Patch Cord
15	Wireless connectivity	Integrated	Integrated 802.11 b/g/n, Integrated Bluetooth 4.0	Integrated 802.11 b/g/n
16	Power supply	180 Watt of higher with 90% (290 Watt with at least 85 % efficiency) or higher efficiency.	Adequate power supply	Adequate power supply
17	Office	Open office updated version (freeware)	Open office updated version (freeware)	Open office updated version (freeware)

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18	Antivirus	Preloaded (Latest version) antivirus of Trend Micro/Symantec/Sophos with 3 years Subscription	Preloaded (Latest version) Internet Security of Trend Micro/Symantec/Sophos/ Kaspersky with 5 years Subscription	Preloaded (Latest version) Internet Security of Trend Micro/ Symantec/ Sophos/ Kaspersky with 5 years Subscription
19	Certification	ROHS Compliance, BEE / Energy Star certified, EPEAT Registered	ROHS Compliance, BEE / Energy Star certified, EPEAT Registered	ROHS Compliance, BEE / Energy Star certified, EPEAT Registered
20	Dust cover	Quality dust cover for CPU, Monitor and Keyboard	Quality dust cover	Quality dust cover
21	Accessories	All necessary cables (Power & data cables) to be included	All necessary cables (Power & data cables) to be included	All necessary cables (Power & data cables) to be included
22	Warranty	5 years comprehensive on site OEM warranty from date of installation/ Commissioning	5 years comprehensive on site OEM warranty from date of installation	5 years comprehensive on site OEM warranty from date of installation

Laptop

S.No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Processor	Intel® Latest Version Core™ i7 (9 generation) quad core /Intel® Core™ i7 (8 generation) quad core, with minimum 1.8 GHz or higher, cache 6 MB or higher	Intel® Core™ i7 8 th Generation quad core, with minimum 1.7 GHz or higher(Base Frequency), cache 6 MB or higher
2	Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64-bit) with OEM recovery disc	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64-bit) with OEM recovery partition disc
3	Memory	8 GB or higher DDR4, 2133/2400 MHz, Expandable up to 32GB	8GB DDR4 2400MHz or higher
4	Display	14" diagonal +/-5% HD Display	14" or higher diagonal +/-5% HD Display
5	Hard drive	1 TB 5400 RPM SATA or higher/ 256 GB Solid State	128 GB SSD and at least 1 TB SATA drive
6	Network card	Integrated 10/100/1000 GB Ethernet LAN	Integrated 10/100/1000 GB Ethernet LAN with 3 Mtr. CAT6 Patch Cord
7	Wireless Connectivity	Bluetooth 4.0 or above & integrated wi-fi	Bluetooth 4.0 or above & integrated Wi-Fi 802.11 b/g/n
8	Graphics	Integrated HD Graphics	Integrated HD Graphics
9	Sound	HD audio with stereo speaker	HD audio with stereo speaker
10	Ports	Minimum 2 USB 3.0 or higher, 1 USB Type C, 1 VGA, 1 HDMI, 1 RJ-45/Ethernet-1, Headphone/microphone combo/separate, 1 multi-format SD media card reader	Minimum 2 USB 3.0 or higher, 1 USB Type C, 1 VGA/ HDMI, Headphone/microphone combo/separate, 1 multi-format SD media card reader
11	Web Cam	HD Web Camera(front facing) with integrated dual array digital microphone	HD Web Camera(front facing), integrated digital microphone
12	Max. Weight	Not more than 1.8 kg including battery	Not more than 1.8 kg including battery

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S.No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
13	Battery	Li-Ion/Li-Polymer, internal battery with minimum 6 hours backup time (One year warranty)	Minimum 4 Hrs. Battery Backup (three years warranty)
14	Power Adapter	Standard Indian power adapter (One year warranty)	Standard Indian power adapter
15	Keyboard	Spill resistant keyboard/Black Lit Key board	Spill resistant with backlit keyboard
16	Office	Open Office updated version (freeware)	Open Office updated version (freeware)
17	Antivirus	Preloaded (Latest version) antivirus of Trend Micro/ Symantec/ Sophos with 3 years Subscription	Preloaded (Latest version) Internet Security of Trend Micro/Symantec/Sophos/Kaspersky with 5 years Subscription
18	Certification	ROHS Compliance, EPEAT Registered, Energy Star, certified for supplied OS. MIL STD 810G tested	ROHS Compliance, EPEAT Registered, Energy Star, certified for supplied OS.
19	BIS Registration	Yes	Yes
20	Accessories	Carry Bag	Carry Bag
21	Warranty	5 years comprehensive on site OEM warranty from date of installation/Commissioning	5 years comprehensive on site OEM warranty from date of installation

Multifunction Laser Printer with Duplex Network

S.No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Printing method	Monochrome laser	Monochrome laser
2	Print speed (Black)A4	18 ppm or higher	25 ppm or higher
3	Print Resolution	600 x 600 dpi or higher	600 x 600 dpi or higher
4	Auto Duplex Print for A4 or Legal	Manual	YES
5	Functions	Print, copy, scan	Print, copy, scan
6	Duty Cycle (Monthly)	8000 pages or higher	10000 pages or higher
7	Memory	128 MB or higher	256 MB or higher
8	Print technology	Laser (Black)	Laser (Black)
9	Scan type/technology	Flatbed, ADF/Contact image sensor	Flatbed with ADF
10	Scan file format	PDF, JPEG, TIFF, BMP etc.	PDF, JPEG, TIFF, BMP etc.
11	Media size supported	A4, A5, Legal	A4, A5, Legal
12	Scan speed	14 ppm or higher	15 ppm or higher
13	Scan resolution	600 x 600 dpi or higher	600 x 600 dpi or higher
14	Copy resolution	600 x 600 dpi or higher	600 x 600 dpi or higher
15	Connectivity	On USB, Ethernet	On USB, Ethernet
16	Toner/Cartridge	Laser Black toner cartridge pre-installed	Laser Black toner cartridge pre-installed
17	Energy Star	Yes	Yes
18	Compatible operating systems	Windows 7, 8, 10 (32 bit/64 bit), Linux, Mac OS.	Windows 7, 8, 10 (32 bit/64 bit), Linux - Mac OS
19	Cables/ Accessories	All the required cables, accessories.	All the required cables, accessories.



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	Item	Original proposal	Recommendation of Technical
20	Software media	Driver & utility software CD/DVD	Driver & utility software CD/DVD
21	BIS Registration	Yes	Yes
22	Warranty	5 years comprehensive on site OEM warranty from date of installation/commissioning.	5 years comprehensive on-site OEM warranty from date of installation

Laser Printer with Duplex Network

S.No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Print Technology	Laser Printing (Monochrome)	Laser Printing (Monochrome)
2	Print speed	18 ppm or more	25 ppm or more
3	Print quality black	Up to 600 x 600 dpi	Up to 600 x 600 dpi
4	Duty cycle (monthly, A4)	8000 pages or higher	10000 pages or higher
5	Port	1 USB	USB, Ethernet
6	Memory		128 MB or Higher
6	Duplex Printing	Yes	Yes
7	Voltage Rating	220 to 240V AC(+/- 10%), 50 Hz (+/- 2 Hz)	220 to 240V AC(+/- 10%), 50 Hz (+/- 2 Hz)
8	Compatible operating systems	Windows 7, 8, 10 (32 bit/64 bit), Linux, Mac OS.	Windows 7, 8, 10 (32 bit/64 bit), Linux, Mac OS.
9	Software media	Driver & utility software CD/DVD	Driver & utility software CD/DVD
10	Warranty	5 years comprehensive on site OEM warranty from date of installation	5 years comprehensive on site OEM warranty from date of installation

Scanner

S.No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Type	Flat bed with ADF	Flat bed with ADF
2	Scan Resolution, optical	600 dpi or more	600 dpi or more
3	Scan file format	PDF, JPEG, TIFF, BMP etc.	PDF, JPEG, TIFF, BMP etc.
4	Media size supported	A4, A5, Legal	At least A4, A5, Legal through ADF
5	Features	Duplex scanning	Single Pass Duplex scanning
6	Automatic document feeder speed	20 ppm or more	20 ppm or more (Black & White, Grayscale and Color)
7	Duty Cycle	Minimum 1000 per day	Minimum 500 per day
8	Automatic document feeder capacity	50 or more	50 or more
9	Compatible operating systems	Windows 7, 8 or higher	Windows 7, 8, 10 or higher
10	Connectivity, standard	USB, Ethernet	USB
11	Software media	Driver & Utility software CD/DVD	Driver & Utility software CD/DVD
12	Warranty	5 years comprehensive on site OEM warranty from date of installation/commissioning.	5 years comprehensive on site OEM warranty from date of installation



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Color Printer

S. No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Printing Technology	Laser	Laser
2	Cartridge Technology	Composite	Composite/separate
3	Type of printing	Color	Color
4	Paper Size	A4	A4, Legal
5	Print Speed (A4)- Mono	10 ppm or higher	18 ppm or higher
6	Print Speed (A4)- Colour	8 ppm or higher	18 ppm or higher
7	Resolution (dpi)	600x600 dpi	600 x 600 dpi
8	Memory (MB)	128 or higher	128 MB or higher
10	Connectivity	USB, Ethernet	USB, Ethernet
13	Paper tray capacity (A4)	150 or higher	150 or higher
14	Duty cycle/ month (No. of prints)	1000 or more	30000 pages or more
15	Software media	Driver & utility software CD/DVD	Driver & utility software CD/DVD
16	Compatible operating systems	Windows 7, 8, 10 (32 bit/64 bit), Linux, Mac OS.	Windows 7, 8, 10 (32 bit/64 bit), Linux, Mac OS.
17	Warranty	5 years comprehensive onsite OEM warranty from date of installation/ commissioning.	5 years comprehensive on site OEM warranty from date of installation

UPS

S. No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
1	Voltage	230V	230V +- 10%
2	Range	140V-295V	160V-280V
3	Output	Power capacity	800VA
4		Voltage (Automatic Voltage Regulation)	230V
5	Power factor	0.8 or higher	0.6 or higher
6	Protection	Overload, overcharge protection	Full protection
7	Battery	Back up time	At least 30 min (Load 1 PC)
8		Minimum AH	168VAH or higher
9	Display type	Indicators	LED
10	Certification	BIS certification for the quoted model	BIS certification for the quoted model
11	Test report	OEM should submit type test report for the quoted model issued by state/ central laboratory (not old from last 3/5 years)	OEM should submit test report for the quoted model issued by state/central laboratory (not old from last 2 years)



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S. No.	Item	Original proposal	Recommendation of Technical Specifications by Technical Committee, Dept. of IT&C
12	Warranty	5 years comprehensive on site OEM warranty from date of installation/commissioning (including battery replacement)	5 years comprehensive on site OEM warranty from date of installation

Annexure-“B”

 78th Meeting of SeMT – List of Attendees

S. No.	Officer Name	Designation & Department
1.	Shri Kunji Lal Meena	Principal Secretary, Energy Department & Chairman, DISCOM, Jaipur
2.	Shri Sanwar Mal Verma	Director & Joint Secretary, Social Justice & Empowerment Dept. Jaipur
3.	Shri Abhimanyu Kumar	Director (Technical), RajCOMP Info Service Ltd. (RISL), Jaipur
4.	Shri Pramod Agarwal	Tech. Director, Dept. of IT&C, Jaipur
5.	Shri Shakti Singh Rathore	Additional Commissioner (IT), Commercial Taxes Dept. (CTD), Jaipur
6.	Shri Sanwar Mal	Finance Advisor, Dept. of IT&C, Jaipur
7.	Shri Tarun Toshniwal	DDG & SIO, NIC-Rajasthan, Jaipur
8.	Shri Vinesh Singhvi	OSD (Plan), Planning Dept., Jaipur
9.	Shri R.K. Jain	Chief Engineer (IT), Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RVPN), Jaipur
10.	Shri Rahul Banerjee	Director, LNM Institute of Information Technology (LNMIIT), Jaipur
11.	Shri Rajeev Gupta	Addl. Director, Commercial Taxes Dept. (CTD), Jaipur
12.	Shri Sushil Parihar	Additional Director, Dept. of IT&C, Jaipur
13.	Shri R.K. Sharma	Additional Director, Dept. of IT&C, Jaipur
14.	Shri Darbari Lal	System Analyst (Joint Director), Dept. of IT&C, Jaipur
15.	Ms. Sonia Chaturvedi	System Analyst (Joint Director), Dept. of IT&C, Jaipur
16.	Shri Mahesh Kumar Gupta	System Analyst (Joint Director), Dept. of Social Justice & Empowerment (DoSJE), Jaipur
17.	Shri G.S. Bhatia	Senior Technical Director, NIC-Rajasthan, Jaipur
18.	Smt. Sushila Yadav	Joint Director (GIS & PFC), Watershed & Soil Conservation (WD&SC) Dept. Jaipur
19.	Shri Rajeev Gujral	Sr. Project Officer, Dept. of IT&C, Jaipur
20.	Shri A.K. Tyagi	Superintending Engineer, Jaipur Vidyut Nigam Ltd., Jaipur
21.	Shri Ravi Bhatia	Executive Engineer (TA to Chairman), DISCOM, Jaipur
22.	Shri Manish Athaiya	Executive Engineer (MIS & IT), Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RVPN), Jaipur
23.	Shri Kamal Singh	Executive Engineer (MIS & IT), Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RVPN), Jaipur
24.	Shri Rajesh Saini	General Manager, RajCOMP Info Service Ltd., Jaipur
25.	Shri Manish Sharma	ACP (Dy. Director), Department of IT&C, Jaipur
26.	Shri Umesh Chand Joshi	ACP (Dy. Director), Department of IT&C, Jaipur
27.	Sh. Kailash Chandra Sharma	A.C.P.(Dy. Director), Dept. of IT&C, Jaipur
28.	Shri Dinesh Gurjar	ACP (Dy. Director), Forest Dept., Jaipur
29.	Shri Rajkumar Singh	ACP (Dy. Director), Department of IT&C, Jaipur
30.	Shri Ashok Kumar Jain	DCF (IT), Forest Dept., Jaipur
31.	Shri Anshu Jain	Assistant Engineer, (MIS & IT), Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RVPN), Jaipur
32.	Shri Kamlesh Kumar Sharma	Programmer, Department of IT&C, Jaipur