

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 | 1,15,26,000 | 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.



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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/ NICSII:
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/ NICSII; 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/ NICSII, 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 NICSII Charges & Taxes as per applicability) for development of aforesaid 10 No. of Modules is as under:

| (Rs. in Lakh) | | | |
|---------------|------------------------------------|----------|---------|
| S.No. | Head Wise Details | Duration | Amount |
| 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 |

For

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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.

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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 India (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 NICS 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 NICS, it might again be asked to provide the services of GIS experts even after September 2019 to March, 2020 and if NICS does not agree department can procure as per RTTP Act/ Rules.

GIS experts as per details given below are to be hired through NICS (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.



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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 NICS I 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 Aabled 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 NICS I 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 NICS I for initial period of 24 months in project mode. Going through NICS I 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 NICS I charges @ 7% and GST @ 18%. Details are given below:

| Particulars | Technology Team(@ NICS I Rate) |
|-------------------------------------|--------------------------------|
| 1 st Year Estimated Cost | 696.53 |
| 2 nd Year estimated cost | 355.90 |
| Total Cost for two years | 1052.43 |

(Rs. in Lakh)

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 | NICS I MM Rate including NICS I 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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|----|--|---|-----|-----|-----|----------|---|-----------|----------|
| | t 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 |
| | | | | | | | Total Cost including NICS Charges and GST | 69653097 | 35590169 |
| | | | | | | | | 105243265 | |

Fund Management

As the PMU would 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:

| (Rs. in Lakh) | | | | |
|---------------|-------------------------------|------|---------------------|--------|
| S.No. | Item Description | Qty. | Estimated Unit Rate | Total |
| 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 UTITSL, 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

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- 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 fringing 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 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.



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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 | 2,46,240 | 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".

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This has also be 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:

- 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:

(Rs. in Lakh)

| S.No. | Description | Total Estimated Cost | | |
|--|--|---|------------------------|--------------------|
| | | 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 |

- 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:

(Rs. in Lakh)

| S. No. | Description | Total Revised Cost |
|--------|--|--------------------|
| 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:

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

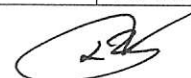
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Annexure-"A"

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 or 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 |



GOVERNMENT OF RAJASTHAN

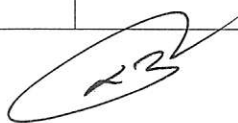
Department of Information Technology & Communication

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 |



GOVERNMENT OF RAJASTHAN

Department of Information Technology & Communication

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 |