

GOVERNMENT OF RAJASTHAN  
 Department of Information Technology & Communication

No. F.7 (37)/ DoIT&amp;C/ 2022/ 01939/2023

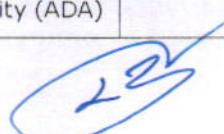
Dated: 29/03/2023

Minutes of 95<sup>th</sup> meeting of SeMT dated 24-02-2023

The 95<sup>th</sup> meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Additional Chief Secretary, IT&C on 24<sup>th</sup> February, 2023 in Committee Room No.2 (CR-2) of Main Building, Secretariat, Jaipur. List of participants is enclosed at Annexure -"A"

Agenda Item(s) discussed during 95<sup>th</sup> meeting of SeMT are indexed as follows:

S. No.	Name of Project	Dept.	Estimated Cost	Page No.
1	Procurement of Computer Hardware & Allied Items and Development of GIS based DLC system	Registration & Stamps Dept., Ajmer	1448.59	2 – 4
2	Development and Maintenance of "KAUSHAL DARSHAN" Portal & APP	DTE, Jodhpur	967.00	5 – 6
3	Deployment of 15 Nos. of resources (Developers) for IT – PMU under RGHS Project	SI&PF Dept.	482.67	6 – 8
4	Redesigning, websites/ web applications development, maintenance, Content Management, Translation of Contents of websites and web application for financial year 2023-24 to 2025-26	RISL/ Dept. of IT&C	900.00	8 – 9
5	Supply and Installation of SAS Tools and Technical Experts' Services (2 yrs.) for Concurrent Audit and Scheme Management under IFMS 3.0 project	Directorate of Treasury & Accounts (DTA)	3900.43	9 – 11
6	Procurement of IT Infrastructure for the Office of the Registrar Cooperative Societies, GoR and FMS of "Cooperative Management System" for Co-operative Department of Rajasthan, (Raj Sahkar)	Cooperative Dept.	546.58	11 – 13
7	IT-Enablement of Rajasthan State Textbook Board (RSTB)	Raj. State Textbook Board, Jaipur	313.04	13 – 16
8	Hiring of Manpower Services for "Centre of Excellence for Block Chain"	DoIT&C/ RISL	2526.50	16 – 17
9	Development & FMS for "e-Procurement" project	DoIT&C/ RISL	7405.00	17 – 18
10	Mass Media Network Platform Management	DoIT&C/ RISL	3080.00	18 – 20
11	Application Software for registration of Homeopathy, Ayurvedic and Allopathy Doctors	Board of Homeopathy/ Indian Medicine	100.78	20 – 21
12	Conservation, Restoration & Development of SMS town hall (Old Vidhansabha Assembly) into world class heritage museum	Amber Development Authority (ADA)	287.91	22





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The followings were discussed in the meeting:

**1. Project : Procurement of Computer Hardware & Allied Items and Development of GIS based DLC system (Registration & Stamps Dept., Ajmer)**

The Committee was briefed about the project proposal. In compliance to the Budget Announcement No. 257 for the year 2021-22 made by the Hon'ble Chief Minister, R&S Dept. intends to procure new computer hardware & allied items as mentioned below:

**(A) Procurement of Computer Hardware & Allied Items -**

**(a) Evaluation Cell, R&S Dept., Ajmer -**

(Rs. in Lakh)				
S.No.	Item	Estimated Cost	Quantity	Total Amount
1	Desktop all in one PC	0.80	5	4.00
2	Normal Desktop PC (i5 Standard)	0.50	10	5.00
3	Laser Printer	0.15	4	0.60
4	MFP Printer	0.25	1	0.25
5	A3 Printer	1.00	1	1.00
6	Scanner ADF	0.25	2	0.50
7	UPS 800/ 1000VA	0.04	15	0.60
<b>Total (a)</b>				<b>11.95</b>
			<b>Say</b>	<b>12.00 Lakh</b>

**(b) \*Various offices of Dy. Inspector General and Sub-Registrar, R&S Dept.-**

(Rs. in Lakh)						
S.N.	Item	DIG Office	SR Office	Total Qty.	Estimated Unit Cost	Total Amount
1	Desktop (All in One)	18	0	18	0.80	14.40
2	Multi-Function Printers	18	0	18	0.25	4.50
3	Desktop (Normal)	0	35	35	0.50	17.50
4	Laser Printer	0	15	15	0.15	2.25
5	Scanner	0	15	15	0.25	3.75
6	UPS (800/1000 VA Off-Line)	0	35	35	0.04	1.40
	<b>Total (b)</b>					<b>43.80</b>

**(c) New Batteries of UPSs for various O/o the Dy. Inspector General and Sub-Registrar, R&S Dept.-**

(Rs. in Lakh)						
S.No.	Type of UPS	No. of UPS	Required No. of Batteries for each UPS	Total No. of Batteries required	Estimated Unit Cost	Total Amount required
1	2 KVA	18	11	198	0.0450	8.91
2	5 KVA	02	16	32	0.0600	1.92
	<b>Total (c)</b>					<b>10.83</b>

Minimum Technical Specifications suggested by Technical Committee (T.C.) of Dept. of IT&C is attached as **Annexure - "B"**.

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#### (B) Development of GIS based DLC system (Geo Tagging Project) for Registration & Stamp Dept. -

Govt. of Rajasthan has taken multiple initiatives to digitally transform the departmental activities and various processes to make system efficient with the vision of reducing time, efforts and cost of the department and citizens. In continuation of these initiatives, Dept. of Registration & Stamps has envisaged to automate the process of determining the inconsistency in prevailing DLC rates with the help of GIS based technology. To facilitate the same, each DLC area shall be digitized and categorized based on prevailing rates and shall be showcased through a web-based application.

#### Scope of Work:

The entire project shall be developed in three phases. The first phase shall focus on digitization of DLC boundaries and attributes for Jaipur, Kota, Ajmer, Bikaner, Udaipur & Jodhpur District, along with development of web application and integration with ePanjiyan System. The second Phase will comprise of digitization of remaining districts of the State and scaling-up of IT infrastructure and maintenance of web application to cater data of these districts. Third phase will be Operations & Maintenance of the Web application.

#### **The key activities to be taken up under this project are as mentioned below:**

##### **(A) Phase 1 -**

1. Collection & integration of Pre-requisite Data for DLC zone creation (Road centerline, road width, district boundaries, village boundaries etc.)
2. ArcGIS Desktop Software installation in User Machines
3. Data Creation using ArcGIS Desktop
4. Data Validation and approval
5. Web Application Development
6. Integration with the E-Panjiyan System

##### **(B) Phase 2:**

1. Activities mentioned in phase 1 shall be implemented for all remaining districts of Rajasthan
2. Geo-referencing of the digitized settlement village boundaries with respect to imagery available with Dept. of IT&C.

##### **(C) Phase 3:**

Operation & Maintenance of developed web application for one (1) Year.

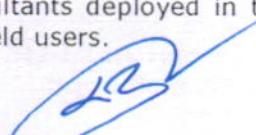
##### **(D) Application Hosting:**

The developed application shall be hosted on RajDharaa platform at Rajasthan State Data Centre (RSDC) on behalf of Dept. of Registration & Stamps as per the policy of Government of Rajasthan.

##### **(E) User Training:**

Trainings shall conduct as (i) Broad level training session for High level officials - 2 sessions, and (ii) Detailed training sessions to SROs - 5 sessions.

These training sessions shall be conducted through online video conferencing on the developed application to make the administrative users conversant with in-built functionalities, features and process of the application. The time, schedule, duration of training shall be finalized in consultation with the authorized department officials. It is desirable that a core team of the Dept. may be deputed to get trained on the software using "train the trainer" concept. These trained staff, along with the consultants deployed in the PMU team, will provide further training/support to the field users.





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#### **(F) Operational Support:**

Free operational support for 3 months, from the date of submission of application for implementation, shall be provided for operation and maintenance of the developed GIS application. Subsequently, Operational Support for a period of 12 months shall be provided. Activities under operation and maintenance include bug fixing, performance tuning & debugging the application as and when required by the department.

#### **(G) Program Management Unit (PMU):**

A Project Management Unit (PMU) shall be established to manage, guide, supervise and perform initial quality assurance. The established PMU shall also be responsible for entire project management, Delivery Management, Technical Assistance, Training of Trainers, SoP preparation, Data Quality Analysis & Quality Check and Coordination with key stakeholders of the project for smooth operations of all activities. In addition to this, the PMU shall also perform RPF preparation, bid evaluation, & other activities related to DLC data creation.

This PMU will be comprises of (i) Project Monitoring Unit (PMU) (ii) GIS Technical Team, and (iii) Village Boundary Geo-Referencing Team.

#### **Financial Implication:**

(Rs. in Lakh)

S.N.	Description	Estimated Cost
A	<b>Procurement of new Computer H/w &amp; Allied Items for -</b>	
(a)	Evaluation Cell at R&S Dept., Ajmer	12.00
(b)	Various offices of Dy. Inspector General and Sub-Registrar, R&S Dept.	43.80
(c)	New Batteries of UPSs for various O/o the Dy. Inspector General and Sub-Registrar, R&S Dept.	10.83
	<b>Total - A</b>	<b>66.63</b>
B	<b>Development of GIS based DLC system (Geo Tagging Project) -</b>	
(a)	Phase 1 – The first phase shall focus on digitization of DLC boundaries and attributes for Jaipur, Kota, Ajmer, Bikaner, Udaipur & Jodhpur District, along with development of web application and integration with ePanjiyan System.	379.20
(b)	Phase 2 – The second Phase will comprise of digitization of remaining districts of the State and scaling-up of IT infrastructure and maintenance of web application to cater data of these districts.	1002.76
	<b>Total - B</b>	<b>1381.96</b>
	<b>Total Estimated Cost (A + B)</b>	<b>1448.59</b>

#### **Fund Management:**

Expenditure would be met from the funds available with Registration and Stamp Dept.

*Keeping in view of the fact of work, technical approval has already been accorded on file by Addl. Chief Secretary, IT&C (Chairman, SeMT).*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 1448.59 Lakh; subject to the availability and approval of funds from Finance Dept.**

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#### 2. Project : Development and Maintenance of "KAUSHAL DARPAN" Portal & APP (Directorate of Technical Education (Training), Jodhpur)

The Committee was briefed about the project proposal. At present, the entire process of Directorate of Technical Education (DTE) is being managed in dual mode (Online & Offline). Where in, Dept. of IT&C had already developed modules for the admission, examination, placement & inventory management. The remaining processes are being carried out in offline mode.

DTE intends to develop a Holistic Integrated Portal & App named "Kaushal Darpan" focusing on Digitalization and monitoring of various processes & components of the State Government, Private ITI's.

The entire solution will be implemented in the phase wise manner which can be enhanced as and when required. The prime stakeholders are DTE, RISL/ DoIT&C, ITIs, Polytechnic institutions, Dept. of College Education, Instructors, Trainees.

#### **Scope of Work (SoW):**

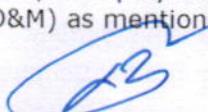
DTE (Training) intends to develop following modules for their department. Brief description about each module is mentioned below:

1. Institutions' Search	11. Inventory Management
2. Reports of Institutes	12. Register for Staff Login/ Staff Report/ Staff Corner of Kaushal Darpan
3. Inspection	13. Industry-Institute Partnership
4. Admission	14. Citizen Window/ Citizen Suggestions
5. Examination	15. Mobile Application
6. Report on Trainee	16. Bulk Email & SMS
7. Trainee Attendance	17. Other Activities like –
8. Establishment Module	i. Ticket Raising Facility: Same as citizen window ticket raising facility shall be made general for ITI, Polytechnic, Employee, Student & public with dropdown mentioning query submitted by. This shall be used for treating priority for the error / query solutions.
9. Apprenticeship	ii. History of logs & changes made: Each updates/ change shall contain log history for all the changes containing changes made and user involved in the same.
10. Placement Module	iii. Document repository: All the modules/ services shall be containing document uploading facility as per the requirements of respective services.

The portal shall be integration with common components of Rajasthan IT stack like RajSSO, e-Sign, e-Mitra, Rajasthan Payment Platform, Raj e-Sewadwar, RajMasters, e-Sanchar etc. as per requirement.

#### **Financial Implication:**

The estimated cost of study, design, development, integration, & deployment of proposed solution with 4 years period (1 Year Development + 3 Year O&M) as mentioned below:





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**Overall Estimated Cost of the proposal is as mentioned below:**

(Rs. in Lakh)

S.No.	Project Phases	Total Amount
1	Study, Design, Development and O&M of Application for 3 years	838.00
2	Cloud Service Charges of RSDC	54.00
3	RISL Service Charges on item 1	
4	RISL Charges @ 10%	64.00
5	GST @ 18 % on RISL Charges	11.00
6	<b>Sub Total (4+5)</b>	75.00
<b>Grand Total inclusive of GST (1+2+6)</b>		<b>967.00</b>

**Fund Management:**

Expenditure would be met from the funds of Rs. 500.00 Lakh provide by Directorate of Technical Education Rajasthan, Jodhpur and rest of the balance fund of Rs. 467.00 Lakh will be provided by Dept. of IT&C/ Concerned Department (Polytechnic/College Education).

Kaushal Darpan application will be generic, so that institutes like ITI's, Polytechnic institutes, Higher education etc. can be on boarded on this application for ease of work and monitoring.

*Keeping in view of the fact of work, technical approval has already been accorded on file by Addl. Chief Secretary, IT&C (Chairman, SeMT).*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 967.00 Lakh; subject to the availability and approval of funds from Finance Dept.**

**3. Project : Deployment of resources (Developers) for IT – PMU under RGHS Project months (SI&PF Dept.)**

The Committee was briefed about the project proposal as for better user experience, there is a requirement of new features development, enhancement of existing feature and support related activities Under the Rajasthan Government Health Scheme (RGHS). The live modules and sub-modules incessantly requires the **Operation & Maintenance activities** which includes new feature development, enhancement of existing feature and support related activities to improve the user experience.

**Key activities to be performed by the additional resources:**

1. Integration with IHMS
  - Seamless integration with IHMS for exchanging data regarding line of treatment
2. Mobile App Development
  - Mobile App for Beneficiaries/ RGHS Stakeholders
3. Data Analysis using SAS
  - Analysis based on packages and speciality of hospitals
  - Monitoring of IPD/OPD/Day care/Reimbursement/Pharmacy claim
  - Tracking claims based on month, department, TAT, payment to facilities etc.
  - Real Time Dashboard and data visualization of Expenditure, Claims, Payments
  - Payment Trend Analysis

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- Medicine Sale Trend Analysis
- Gender and Age Analysis
- Geography Analysis
- Claim Trend Analysis
- Patient Arrival and IPD Trend
- Outlier Pattern in case of OPD Fund Enhancements

4. Development of New Modules/Sub-Modules

- Beneficiary Module 2.0
  - ◆ Jan-Aadhar - Family split and join issues
  - ◆ SAB Organization Module
- Empanelment Module 2.0
  - ◆ Post audit of Hospitals
  - ◆ HBEC/HCNP 2.0
- Transaction Management System 2.0
  - ◆ Long Stay
  - ◆ Unlisted
  - ◆ Data Analytics (On the basis of codes, facility wise etc)
  - ◆ Reopen of Cases (Rejected Cases)
  - ◆ Less paid cases (initiation)
  - ◆ OPD slip generation (QR Code)
  - ◆ Binding RGHS Card Details and Limit with each TID Generation
- Pharmacy Module 2.0
  - ◆ Fetch all line items of medicine till date
  - ◆ Process sheet to TPA and CU for pharma claims
  - ◆ Integration with SIMS for master data
  - ◆ Change in API for syncing line items for invoices.
  - ◆ Analysis of CONFED bills by TPA/CU
- Application Performance Tuning
- Compliance, Monitoring, Management and Proactive Maintenance.
- Master Data Management.
- Transaction data and documents Archival Policy
- Security Audit

5. Operation & Maintenance Activities Enhancement/Customization/ Configuration/Bug Fixing /Testing of the RGHS Application

6. Training & Capacity Building & Tester

- Training and Capacity Building via Tutorials, Live Demos and Videos.
- To gather the additional project requirements and familiarize the users with the new system using the 'Instructor Led Training' for administrative staff & 'Train the trainer' approach and trains the key users/ master trainers for field staff along with Computer Based Tutorials (CBT).

7. Other issues/ Items as suggested by Department



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**Financial Implication:**

Estimated Financial Implication with breakup for the proposed PMU is as follows:

(Amount in Rs.)					
S No	Resource level with Experience	No. of Resource	No. of Man Month	NICSI Fee Rate INR/Month	Project Expenditure
1	Subject Matter Expert with 10+ yrs. experience for Tier -1	2	7	420000	5880000
2	Consultant with 10 yrs. and <15 yrs., experience (Technology Profile Tier -1)	1	7	315000	2205000
3	Consultant with 6 yrs. and <10 yrs., experience (Technology Profile Tier -1)	4	7	288750	8085000
4	Consultant with 6 yrs. and <10 yrs., experience (Technology Profile Tier -1)	4	12*	288750	13860000
5	Consultant with 6 yrs. and <10 yrs., experience (Management/ Functional Profile Tier -1)	2	7	288750	4042500
6	Consultant with 3 yrs. and <6 yrs., experience (Technology Profile Tier -1)	2	7	246750	3454500
<b>Total</b>		<b>15</b>			<b>37527000</b>
Net professional Fee					37527000
NICSI Charges (@9%)					3377430
GST (@18%)					7362797
<b>Grand Total</b>					<b>48267227</b>
Say (Rs. in Lakh)					<b>482.67</b>

\* The resource mentioned at serial No. 4 are to be utilized for annual (12 Months) Operation and Maintenance (O&M) Services of the project.

**Fund Management:**

The expenditure for project would be met from the budget made available by SI&PF Dept.

RGHS, Chiranjeevi, IHMS and other hospital applications will be catered under a single umbrella of IHMS. A single PMU will be there under IHMS having expertise knowledge of RGHS and Chiranjeevi etc. domain.

*Keeping in view of the fact of work, technical approval has already been accorded on file by Addl. Chief Secretary, IT&C (Chairman, SeMT).*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 482.67 Lakh; subject to the availability and approval of funds from Finance Dept.**

**4. Project : Redesigning, websites/ web applications development, maintenance, Content Management, Translation of Contents of websites and web application for financial year 2023-24 to 2025-26 (3 yrs. duration) (Dept. of IT&C)**

The Committee was briefed about the proposal. Currently, Website Cell of Dept. of IT&C is in process to develop, maintain, and provide FMS for websites/ web applications portal(s) to various Departments/ PSUs/ Boards/ Organizations including their 600+ micro website pertaining under Govt. of Rajasthan. These are developed in technologies like ASP Dot Net, Classic ASP and Adobe Experience Manager (AEM) Platforms. The development, maintenance, redesigning of websites/ portals are continuous process. The daily activity



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involve patching of security threats and vulnerabilities, updation and modification of modules as per requirements, server migration and server health checks, content updation, Integration of payment interface and so on.

**Project cost approved in SeMT:**

Earlier, the proposal for the same was approved in the 82<sup>nd</sup> meeting of SeMT held on 08-01-2021 with the estimated cost of Rs. 600 Lakhs for the F.Y. 2020-21 to F.Y. 2022-23.

**Financial Implications:**

The detailed estimated financial implication of the project for financial year 2023-24 to 2025-26 (for 3 years duration) as mentioned below: -

S. No.	Details of the Works	(Rs. in Lakh)
1	Development, Redesigning & Re-structuring of various departmental websites including application modules	900.00
2	Maintenance charges for websites and web application of GoR Departments/ PSUs/ Boards/ Organizations	
3	Security Audit of Websites/ portals from third-party CERT-In empanelled agencies on annual basis	
4	Security Audit patching for vulnerabilities and threats identified by SOC or NCIIPC	
5	Deployment of Manpower services for development and maintenance of websites/ web portals developed in AEM, DOT Net, UI/UX and content updation	
6	Procurement of SSL certificates for websites and portals	
<b>Total</b>		<b>900.00</b>

**Fund Management:**

Expenditure would be met from the fund available with Dept. of IT&C under the Budget Head of "Development and Maintenance of Websites and Portals".

Committee advised that Website development & maintenance cell of Dept. of IT&C may introduce Artificial Intelligence (AI) to generate/ retrieve information and will explore the possibilities of trending search engine for websites.

*Keeping in view of the fact of work, technical approval has already been accorded on file by Addl. Chief Secretary, IT&C (Chairman, SeMT).*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 900.00 Lakh; subject to the availability and approval of funds from Finance Dept.**

**5. Project : Supply and Installation of SAS Tools and Technical Experts' Services (2 years) for Concurrent Audit and Scheme Management under IFMS 3.0 project (Directorate of Treasury & Accounts (DTA))**

The Committee was briefed about the proposal. Finance Dept. through its budget circular dated 30-08-2022 (Point No. 3.6) has intended to strengthen the financial management system through concurrent audit of all the transactions of IFMS. It is also envisaged that different sorts of analytical reports/ dynamic reports would be made available for the project to act upon.



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Project is to evolve an automated platform for core budgeting and accounting structure of Government and Parastatals. This system is planned to provide complete mechanism not only for execution of financial transactions but also for complete management of public finance of the State. The system would be enabled with the effective tools so as to easily identify leakages, fraudulent transactions and enable authorities for concurrent audit in financial transactions by way of multiple analytics tools and to strengthen decision support system.

The scheme management solution which is a part of the project is required with sectors, sub sectors, components and comprehensive insight over financial resources and direct/ indirect benefits/ mapping and analysis.

It is envisaged to collect and monitor data from financial management system, commitment control system, Jan Aadhar citizen database and other relevant sources to create a complete data model of all entities and their respective attributes, which will then flow into a repository for further analytics and reporting structure of the State authorities.

The proposed solution would be integrated with the IFMS system, Departmental Portals and other work related database to identify non-compliance, suspicious beneficiaries and misrepresentation.

Dept. of Treasuries & Accounts requested Dept. of IT&C/ RISL to procure SAS analytical tools and various manpower resources to work on the project. The details are as follows –

#### 1. Capex –

S. No	Items	Production Metric	Development/ Test Environment Metric
<b>SAS Investigation and Detection for Government</b>			
1	SAS Data Management Server	12 Cores	NIL
2	SAS Visual Analytics on SAS Viya	40 Cores	NIL
3	SAS Visual Investigator	40 Cores	32 Cores
4	SAS Visual Forecasting	40 Cores	32 Cores
5	SAS Data Prep	40 Cores	32 Cores
6	SAS Optimization	40 Cores	32 Cores

#### 2. Opex –

S.No.	Resource Category	No. of Resource(s)
1	Program Manager (OEM)	1
2	Business Analyst/ Tech Lead (OEM)	1
3	SAS Admin (OEM)	1
4	Senior Data Management Expert	2
5	Junior Data Management Expert	1
6	Senior Analytics Reporting Developer	2
7	Junior Analytics Reporting Developer	1
8	Senior Analytical Modeller	1
9	Subject Matter Expert	1
<b>Total</b>		<b>11</b>

#### Duration:

The duration of the project is Two (2) year.

#### Current Status:

The project has been approved by Finance Dept. vide ID No. 602200255 dated 20-10-2022. Looking into the urgency of the project, the procurement was initiated and Letter of

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Award (LoA) has already been issued on 30.12.2022 for one year duration. Therefore, it is requested to accord post-facto technical approval of SeMT.

**Financial Implication:**

Estimated Financial Implication with breakup is as follows:

S. No.	Item Descriptions	(Rs. in Lakh)
1	<b>CAPEX:</b> Supply and Installation of SAS Tools (SAS Investigation and Detection for Government)	1810.00
2	<b>OPEX:-</b> a) Technical Experts' Services for two years b) ATS for One Year [@22%]	1388.00 398.20
3	<b>Total [CAPEX+OPEX]</b>	3596.20
4	RISL Service Charges (as per order number F1.9 (15)/ RISL/ Misc./ 11/ 1408 dated 21.12.2011, turnkey category)	227.76
5	<b>Total (3+4)</b>	3823.96
6	Contingency Fund @ 2% (2% of Sr. No. 5)	76.47
7	<b>Grand Total (5+6)</b>	3900.43

**Fund Management:**

The expenditure for the project would be met from the budget made available by Dept. of Treasuries & Accounts (DTA).

In longer run, this project will be the subset of PARAM project as and when establish.

*Keeping in view of the fact of work, technical approval has already been accorded on file by Addl. Chief Secretary, IT&C (Chairman, SeMT).*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 3900.43 Lakh; subject to the availability and approval of funds from Finance Dept.**

**6. Project : Procurement of IT Infrastructure for the Office of the Registrar Cooperative Societies, GoR and FMS of 'Cooperative Management System' for Co-operative Department of Rajasthan, (Raj Sahkar)**

**(A) Procurement of IT Infrastructure for office of the Registrar Cooperative Societies –**

The Committee was informed about the proposal of Cooperative Dept. It's the envision of the Dept. to purchase IT Infrastructure like Desktops, Laptops and Printers & UPS for Head Office, Zonal offices, Additional offices, DR offices and SA offices under the Office of the Registrar, Cooperative Societies, Rajasthan.

**Scope of Work**

IT Infrastructure (Desktops, Printers and Laptops etc.) of the Office of the Registrar Cooperative Societies is very old. In order to implement the recent directives of e-filing new IT Infrastructure needs to be deployed. Proposed IT Infrastructure will allow smooth functioning of the day to day office operations, on boarding to digital operations through e-filing system, information exchange etc.

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It is envisaged that the new IT infrastructure shall be supplied with three years comprehensive on site OEM warranty. Delivery time for hardware would be 24 weeks from date of purchase order.

**Detailed requirement of ICT items and estimated financial implication submitted by the Dept. are as follows:**

(Rs. in Lakh)				
S.N.	Description	Qty.	Unit Rate	Total Cost
1.	All in One Desktop (Intel i5, 32GB/ 1TB SSD/KYB/ Mouse/ Win10Pro/ 3 Yrs. Onsite warranty 23.8" display, MS Office standard) or higher	7	1.00	7.00
2.	Desktop (Intel i5, 16GB/ 512GB SSD/ KYB/ Mouse/ Win10Pro/ 3 Yrs. Onsite warranty 21.5" display, MS Office standard) or higher	195	0.75	146.25
3.	Desktop (Intel i5, 16GB/ 512GB SSD/KYB/ Mouse/ Win10Pro/ 3 Yrs. Onsite warranty 21.5" display, MS Office standard, Mike, Camera & Dual Speakers) or higher	97	0.77	74.69
4.	Laptop (Intel i5, 16GB/ 1TB SSD /KYB/ Mouse/ Win10Pro/ 3 Yrs. Onsite warranty 14" display or higher display, MS Office standard, Mike, Camera & Dual Speakers) or higher	22	0.80	17.60
5.	Multi-Function Monochrome Printer (Monochrome Laser, 35ppm or higher, Auto-duplex, ADF scanner, 3 Yrs. Onsite warranty, 80000 pages or more duty cycle, A4/ Legal pages)	177	0.30	53.10
6.	Laser Printer (Monochrome Laser, 25 ppm or higher, Auto-duplex, ADF scanner, 3 Yrs. Onsite warranty, 50000 pages or more duty cycle, A4/Legal pages)	113	0.16	18.08
7.	Multi-Function Colour Printer (Colour Laser, 20ppm or higher, Auto duplex, ADF scanner, 3 Yrs. Onsite warranty, 20000 pages or more duty cycle, A4/ Legal pages)	2	0.35	0.70
8.	UPS 600 VA with 30 min or more battery backup	109	0.05	5.45
9.	Scanner	130	0.40	52.00
<b>Total (inclusive of GST)</b>				<b>374.87</b>

Minimum Technical Specifications suggested by Technical Committee (T.C.) of Dept. of IT&C is attached as **Annexure-C**.

**(B) FMS of 'Cooperative Management System' for Co-operative Department of Rajasthan, (Raj Sahkar)-**

Cooperative Management System facilitates Co-operative Department (Raj Sahkar) to improve the internal efficiency of the Cooperative Dept. & its processes to use IT effectively in various activities, namely Registrations of societies under 3 acts, Monitoring, Regulation and Winding up of Societies. Department has envisaged automating the entire system and implementing an IT solution including the development of Web Applications & Mobile apps. The Raj Sahkar portal has been developed for the same. The existing contract will expire on 31<sup>st</sup> December 2022, so to provide FMS services and make necessary changes in the current system for the compliance of rule amendments, the project for "Hiring of manpower services for FMS of Raj Sahkar is initiated.

**Scope of work (for proposed FMS services for 2 years):**

- Application Maintenance Services of the existing application
- Enhancement and revamping of Mobile application
- Any other functional/ technical assistance required by RISL/DoIT&C/ Department related to solutions.

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- d) Enhancement/ customization arising due to Government notifications / Rules.
- e) Any other development task assigned by project OIC

**Financial estimates for FMS of Cooperative Management System:**

		(Amount in Rs.)
S.N.	Description	Total Cost incl. GST @ 18%
1	Application Development, enhancement & FMS of 2 years	15333462.00
2	Contingency charges @2%	30669.24
4	<b>Sub Total</b>	<b>15364131.24</b>
5	RISL Service Charges @10%	1536413.12
6	GST on RISL Service charges @18%	276554.36
7	<b>Total Project Cost for FMS</b>	<b>17177098.72</b>
		<b>Say (Rs. in Lakh)</b>
		<b>171.71</b>

**Overall Total Financial Implication:**

		(Rs. in Lakh)
S.N.	Description	Overall Estimated Cost
A	Procurement of IT Infrastructure for Office of the Registrar Cooperative Societies	374.87
B	FMS of "Cooperative Management System" for Co-operative Dept. Rajasthan (Raj Sahkar)	171.71
	<b>Total Estimated Cost (A + B)</b>	<b>546.58</b>

**Fund Management:**

Expenditure would be met from the funds managed/ available with Cooperative Dept.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 546.58 Lakh; subject to the availability and approval of funds from Finance Dept.**

**7. Project : IT Enablement of "Rajasthan State Textbook Board" (RSTB)**

The Committee was informed in brief about the proposal of Rajasthan State Textbook Board. RSTB intends to have an Integrated IT-Enabled demand and supply management system to facilitate board, depot and other stakeholders for management of demand, production, supplies and payment. The system will have the interface to maintain transactional inventory management to improve operational efficiency as well as will provide real time role-based reports for monitoring.

RSTB analyzed the requirement of the textbooks (demand), plan for the production, manages the supplies to the various stakeholders through its depot. The management of inventory at this depot is either being done through imputed applications where it is difficult to manage inventories and supply monitoring. Therefore, RSTB consulted with Dept. of IT&C/ RISL. After various rounds of discussion, RISL proposed an ICT solution consisting of various components as mention below:

**Proposed Solution Components:**

Broadly the proposed ICT based solution consists with the following components for Software/ Application:

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A web-based application will be provided to board for management of Demand, production & planning, Depot management stakeholder management and payment etc. to support its' various stakeholders –

- a) Demand Management
- b) Production & Planning Management
- c) Depot Management
- d) Stakeholder Management
- e) Payment Management

#### Software/ Application Solution Framework:

To achieve objectives of the project, RISL proposed an integrated web-based solution for the board to handle:

1. Multi layered management of depot, Suppliers, printing agencies, paper providers, logistic partners or any other stakeholders
2. Role based user management to provide the limited access of the system to any user.
3. Centralized database driven system to keep inventory, demand, supply, payments in sync.
4. Unified dashboards and notifications/ alerts to track day to day operations such as stock in/ out, accounting/ consolidation of demands, out of stock products etc.
5. Integration with common components of Rajasthan IT stack like RajSSO, e-Sign, e-Mitra, Rajasthan Payment Platform, RajDhara, Raj e-Sewadwar, Shala-Darpan etc. as per requirement and IT Architecture of Rajasthan State.
6. Real-time MIS and reports for decision support.

The design of the solution will have three layered frameworks with the strategic vision of deployment i.e. **Plan Strategically** based on the **insights** driven by the transactional real time data to **improve operational efficiency** of the board.

#### Front End Modules:

These are the modules which covers various processes and sub processes of the system to facilitate board, moderator's agency, outlets and other stakeholders. The module includes but not limited to:

- i. **Dashboards:** Unified dashboards to be designed based upon the roles defined for the users. These dashboards consist of the interfaces to be provided for modules, summarized analytical reports and action items/ gadgets.
- ii. **MIS Reports:** have various textual summarized and details reports on real time transactional data to be generated through various processes and sub processes. These reports will be in cascading form will be accessed based on the role and office boundaries defined for any stakeholder.
- iii. **Alert Management:** module will enable authorized users to define alerts, priority and time based on the subject and respective targeted users.
- iv. **Product management:** module will help authorized users to register products (title wise book Addition or deletion of product component as per requirements), Product Approval and Rejection (Verification of criteria like printing quality check, any damage etc. to be done at the level of depot manger & Moderators), Editing of Product Attributes like title, category, pricing, supply qty. etc., controlling Product Access level (depot wise product supply mapping,) etc.

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- v. **Demand Management:** module will be further bifurcated into the demand received by the government schools and orders received from private book sellers.
- vi. **Inventory Management:** module includes but not limited to carry out the activities of stock in & out, shrinkages etc. through the interface to depot authorized users.
- vii. **Depot Management:** module will facilitate users to generation, consolidation and processing of depot stock, moderator and board level respectively.
- viii. **Seller management:** module will facilitate board/ authorized users to register seller & Suppliers, define categories, mapping between suppliers and sellers etc.
- ix. **Payment/ Account:** module will be based on the transactions held and price/ rate master. Here, the authorized user may be able to define payment mode, schedule and milestones for the payment on the basis of transaction type.

#### **Support Modules:**

The support modules will be provided to ease of operation of the front-end modules. In this line the proposed modules under this category are:

- 1. **Workflow Management:** module enable the solution to define workflow i.e. review/ approve/ assign/ other stages as per the requirement of the processes and sub processes w.r.t. users mapped with them.
- 2. **Role/ Access Management:** module includes but not limited to user creation/ hierarchy establishment, role defining and access authorization of various modules/ sub modules/ reports etc.
- 3. **Master Management:** module enable admin level users to create masters such as title wise categories/ book sellers/ depot/ Supplier Categories/ Payment Modes etc. for the application to minimize ambiguity in the system.

#### **Integration:**

As per the IT architecture and IT policy of Rajasthan State, the possibilities of integration of proposed solution will be explored with the Rajasthan State's stack such as RajSSO, e-Sign, e-Mitra, Rajasthan Payment Platform, RajDhara, Raj e-Sewadwar, Shala Darpan etc. to provide seamless unified dashboards for operational field staff and decision makers of the corporation and other stakeholders.

#### **Operation & Maintenance Support:**

Three (3) years operations & maintenance support services will be provided for the developed application and requirement of new development/ enhancement will also be catered on mutual agreement during the O&M period if required.

#### **Financial Implication:**

The estimated cost of study, design, development, Integration, and deployment of the proposed solution with O&M period of three (3) years is as follows:

S.No.	Particulars	(Rs. in Lakh)	Total Price
1.	Study, Design, Development for Six Months and O&M of Application for three (3) years	253.24	
2.	Cloud Service Charges	30.64	
3.	RISL Charges as per rules on Item 1	24.71	
4.	GST @ 18 % on RISL Charges	4.45	
<b>Total Project Cost (1+2+3+4)</b>		<b>313.04</b>	

#### **Fund Management:**

Expenditure would be met from funds available with Rajasthan State Textbook Board.



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For future, Dept. will explore the possibilities/ mechanism for collection of e-Books from publishers and will prepare a solution for the availability of e-Books to the end users.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 313.04 Lakh; subject to the availability and approval of funds from Finance Dept.**

#### **8. Project : Hiring of Manpower Services for Centre of Excellence for Block Chain (DoIT&C/ RISL)**

The Committee was informed in brief about the proposal as GoR made a budget announcement for establishment of Blockchain Centre of Excellence in Jaipur at an estimated cost of Rs. 33.286 crores for enhancing transparency and security using modern technology- Blockchain in various e-Governance projects like IFMS 3.0, Electronic Health Records, Jan-Aadhaar Residential Data Repository etc. Verbatim of the budget announcement is as mentioned below:

117. ई- गवर्नेंस के क्षेत्र में आधुनिक तकनीक- Blockchain के उपयोग से विभिन्न परियोजनाओं जैसे Integrated Financial Management System (IFMS) 3.0, इलेक्ट्रॉनिक हैल्थ रिकार्ड्स, जन आधार रेजिस्ट्रेट डाटा रिपॉर्टिंग आदि में पारदर्शिता और सुरक्षा को बढ़ावा दिये जाने के उद्देश्य से 30 करोड़ रुपये की राशि से Blockchain Centre of Excellence की स्थापना की जायेगी।

#### **Scope of Work:**

The Centre of Excellence in Blockchain Technology would operate as a coordinated, interoperable Blockchain ecosystem across the State. It would act as a gateway to test and develop best solutions for applications areas envisaged by DoIT&C/ RISL at State level.

The software for Blockchain Platform has already been purchased under IFMS project and installed in State Data Center. A dedicated physical server and other IT infrastructure would also be required for development activities of the Blockchain applications.

Center of Excellence for Blockchain would require a Project Monitoring Unit (PMU) and a Project Development Team (PDT). These teams would comprise of project manager, technical architect, technical consultants, business consultants, developers, testers etc. from industry and/or OEM for undertaking planning, designing, development and implementation activities of Blockchain based applications.

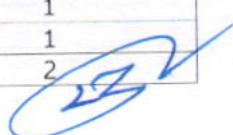
#### **Project Teams:**

The Project Monitoring Team composition would be as follow -

S.No.	Name of Post	Count
1.	Project Manager	1
2.	Senior Technical Consultant	2
3.	Business Analyst	2

The Project Development Team composition would be as follow -

S.No.	Name of Post	Count
1.	Blockchain Technical Architect(OEM) cum Team Lead	1
2.	Blockchain Senior Developer(OEM)	2
3.	Blockchain Senior Developer	2
4.	Blockchain Developers	2
5.	Database Administrator	1
6.	UI/UX Developer	1
7.	Blockchain Tester	2



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**Project Duration:**

Hiring of Expert/ Technical Manpower on T&M basis for three (3) years.

**Financial Implication:**

Indicative cost with break-up is as follow:

S. No.	Item Descriptions	(Rs. in Lakh)
	Amount	
1	<b>OPEX:-</b> a) Technical Experts' Services for 3 years b) Conferences + Travelling & Lodging c) Vehicle Expense for 3 years d) Contingency Fund	2376.00 30.00 12.00 100.00
2	<b>Total OPEX</b>	2518.00
3	RISL Service Charges (as per order number F1.9(15)/RISL/Misc./11/1408/ dated 21.12.2011, Consultancy category)	8.50
4	<b>Grand Total (2+3)</b>	2526.50
<b>Grand Total is - Twenty Five Crore Twenty Six Lakh Fifty Thousand only</b>		

**Fund Management:**

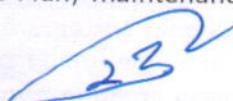
The expenditure of the project would be met from the budget head of "Centre of Excellence for Blockchain" project.

**The Committee discussed in details on the aforesaid project proposal and directed to re-submit the revised proposal of the same in forthcoming meeting of SeMT.**

**9. Project : Development & FMS for 6 years for "e-Procurement" project (DoIT&C/ RISL)**

The Committee was brief about the proposal. Various key modules are proposed to develop under "Single Holistic Procurement Portal" to handle the end-to-end procurement cycle of all kind of procurements across all government agencies in GoR as mentioned below:

1. **E-Tendering (electronic tendering)** will facilitate automatically soliciting bid tenders and evaluation suppliers using online procurement (eProcurement) platforms. E-Tendering as an integral part of the procurement process will help to streamline Source-to-Pay (S2P) operations and provide more insights.
2. **E-Auction** will be a transaction between sellers (the auctioneers) and bidders/ Individuals that takes place on an electronic marketplace. This system will facilitate conducting & execution of end-to-end cycles of forwarding, reverse, specialized, and commodities auctions.
3. **Contract Management** will facilitate the contract administration of contracts made with two or more parties (procuring entity and bidders/ vendors/ individuals).
4. **Procurement Appeal Management System** will provide the end-to-end life cycle of appeal management related to the procurement.
5. **Additional features** catering to general requirements of the State Public Procurement Portal like preparation of Annual Procurement Plan, maintenance of the Procurement Register, Details of Offline Tenders etc.



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The project will be executed on turnkey basis in multiple phases. Technology partner will be selected from open competitive bidding process.

**Project duration:**

Total project duration will be 6 years for Development and Operation Maintenance.

**Estimated Financial Implications:**

(Rs. in Lakh)

S.No.	Requirement Descriptions	Estimated Cost
A	<b>Infrastructure (H/w &amp; S/w)</b> (Application + Web Server, Relational Database Server, NoSQL/ Hadoop Server, Hardware Security Module, Cashing Server, API Gateway, Storage, System Software, Other Required Software/solutions and their licenses & support).	2500.00
B	Development (1 year) and O&M + FMS (5 years)	4232.00
C	Consultancy & Contingency @10% of (A+B)	673.00
<b>Total Estimated Cost</b>		<b>7405.00</b>

**Fund Management:**

All the expenses for project development, maintenance, facility management, infrastructure, implementation, and other requirements, will be booked under the RISL Processing Fee Budget Head of RISL.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 7405.00 Lakh; subject to the availability and approval of funds from Finance Dept.**

**10. Project : Mass Media Network Platform Management (DoIT&C/ RISL)**

The Committee was informed in brief about the proposal. GoR intends to draw advantages from the Digital Mass Media Network Platforms which are technology driven and popular among the masses to communicate instantly and directly with the people of the State in a highly effective and transparent manner. These platforms help in making networking and engagement with the public simple and powerful. It also helps in making faster research, providing mechanisms for understanding sentiments, quick communications at the times of crisis and measurement of public sentiment to help in forming the public policy.

**Scope of Work:**

A. Following is the scope of work of the project -

- Comprehensive digital outreach strategy for citizens: Develop and execute digital outreach plans by analyzing existing strategies, technical development.
- Digital outreach consultancy/ workshop/ training: Providing consultancy services on digital outreach strategies for citizens, monthly updates on the latest updates & trends, and training to individual stakeholders/ departments on the subject.
- Creation, maintenance & management of digital mass media network platform accounts: Verify and validate all existing handles, create and maintain social media accounts/ handles on various popular digital mass media network platforms, like - Facebook, Instagram, Twitter, YouTube and maximum number of handles as the planning parameter is 70 as of now.
- Content creation & management
- Mass media network platform query management & Online Reputation Management strategy

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- Mass media network platform listening, monitoring and media tracking.
- Creation and/ or maintenance of Articles & Wikipedia Pages
- Expansion of Digital Outreach (Amplification): Achieve 5% growth each month for each mass media network platform handle for priority handles (15% handles would be the priority handles) in a number of reaches and achieve 1% growth each month for remaining ones of each mass media network platform handle for other departments in a number of followers and reaches.
- Creation of professional informative videos.
- Search engine optimization/ marketing for the respective handles.
- Gate keeping: Continuous moderation of all platforms in order to deal with spam, unauthorized advertisements, inappropriate content, etc.
- Reporting: Submit monthly, quarterly, half-yearly and annual digital outreach & social media reports.
- Onsite Team: The team of 9 (nine) to manage the daily routine work and the team of 5 (Five) consisting of 3 (Three) resources in each team to manage the daily requirement of videography/ photography.

**B. Creation of Hyperlocal System:**

- To enhance and increase the awareness of schemes and initiatives taken by the Government.
- Collection of news about various activities/initiatives/success stories/ schemes/ challenges & achievements.
- Dispersal of news about various schemes on social media.
- To promote policies, schemes, and welfare decisions by providing proper and convincing messages in various districts and villages.
- To establish and maintain a positive impact among the general public, decision-makers, and other stakeholders.
- To engage the audience in conversations about the new reforms & their various policies, schemes & welfare decisions of the department to build positive branding and to maintain sustained interactions about the government.
- Shoot testimonial videos of city-level successful campaigns/ schemes/ beneficiaries.

**Estimated Financial Implications:**

SNo	Project	Subject	Annual Amount	(Rs. in Lakh) Total estimated financial implication <b>(for 2 years)</b>
1	Mass Media Network Platform Management	Account handling & Management, Software subscriptions, State Instance of MyGov, Creating Hyperlocal System etc.	1190.00	2380.00
		Video creation and production	180.00	360.00
		Miscellaneous Charges (Training, Admin, Rent etc.)	170.00	340.00
<b>TOTAL</b>			<b>1540.00</b>	<b>3080.00</b>

**Fund Management:**

Expenditure would be met from the funds available under the Budget Head of social media (Raj-connect) of DoIT&C.

The Committee accords technical approval on the proposal having estimated cost of Rs. 3080.00 Lakh; subject to the availability and approval of funds from Finance Dept.

**11. Project : Application Software for registration of Homeopathy, Ayurvedic and Allopathy Doctors (Board of Homeopathy/Indian Medicine/Allopathy)**

The Committee was briefed about the proposal. Board of Indian Medicine, Medical Council & Board of Homeopathy keeps a record of medical professionals practicing in the State and has following different registration processes as a part of overall system –

- Registration of new medical professional
- Issuance of Duplicate Copy/ Renewal of Registration/No Objection Certificate for already registered professional

At present, both Ayurvedic & homeopathy doctors submit their registration applications offline. After submission offline applications, the Board of Indian Medicine & Board of Homeopathy evaluate the applications and issue the certificates manually. This process has manual intervention which leads to the redundancy of data, errors in data & lack of complete records & reports.

To enhance the process and make transparency in the system Board of Indian Medicine & Board of Homeopathy wants to convert their whole process from offline to online. For this purpose, both the boards prepared consolidated proposal in coordination with the RISL.

The Medical Council (Allopathy) Doctors are submitting their application online from last 3 years. In last 3 years lots of changes has been made in the system.

**Scope of Work (SoW):**

The objective of the project is to design and develop single web bases solution for doctor registration (Ayurveda, Allopathy & Homeopathy) and Automation of the above process involves following which shall be covered as a part of overall system:

- Online form for request for Registration for Medical Professionals
- Integration with eMitra/RPP for fees payment
- Integration with eMitra for Biometric Authentication (If required)
- Dashboard of received applications & Application at various stages.
- Functionality for verification of the applications received
- Generation of online certificate against the application received
- Functionality for sending message to applicant regarding different stages of the application
- Generation of reports required

**The Functionality which application will cover –**

1. Online request for Registration for Medical Professionals will be taken as for the following categories:-
  - New Registration (Provisional/ Permanent/ Additional Qualification)
  - Already Registered (Duplicate Copy/ Renewal of Registration/ No Objection Certificate)
  - In registration Basic Registration details will be filled by the applicant
2. A single file will be generated that shall be containing the form data as well as all the documents that were uploaded with the form. This shall ease out the verification as well as the storage of documents easier for the conducting authority.

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3. **Functionality for Verification process:** - On submission of the application the generated application number shall be passed on to the **Stage I** of the verification process where the concerned officer shall be verifying the details that have been submitted by the applicant. On the basis of the checklist generated and the document prepared they shall verify the correctness of the submitted application. Based on the application verification the application can have following status:

- a) **Pending for approval:** The verification officer is verifying the details and hasn't provided remarks yet
- b) **Approved:** The details were verified and was found to be correct
- c) **Corrections required:** The details entered required some correction either due to typo errors or some unclear uploads

The change of status is provided to the applicant via text message so that if his intervention is required, he can coordinate with the authority.

**Stage II** of the verification process the nodal officer shall verify the application which were approved in the Stage I with the certifying authorities of the submitted documents with the application. Based on the application verification the application can have following status:

- a) **Pending for approval:** The verification officer is verifying the details and hasn't provided remarks yet
- b) **Approved:** The details were verified and was found to be correct
- c) **Rejected:** The details were verified and was found to be incorrect

4. Functionality for generation of the certificate against the application received  
 Post verification the approved applications are awarded registration number which are to be associated with the respective application number. The certificate is generated through the system and is distributed to the student by the Board of Indian Medicine Rajasthan & Homeopathy Board individually. The certificate will also have QR code

5. Functionality for generation of the reports for monitoring the certification process  
 Unified dashboards to be designed based upon the roles defined for the users. These dashboards consist of the interface for, summarized analytical reports and action items/ gadgets.

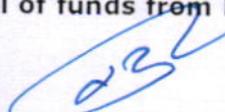
**Financial Implication:** The estimated cost of study, design, development, Integration, and deployment of the proposed solution with O&M period of 3 Years is as follows:

S.No.	Particulars	(Rs in Lakh)
1.	Study, Design, Development for three Months and O&M of Application for three years	90.15
2.	RISL Service Charges on 1	9.01
3.	GST @ 18 % on RISL Charges	1.62
Total Project Cost (1+2+3)		<b>100.78</b>

**Fund Management:**

S.No.	Particulars	(Rs in Lakh)
1.	Board of Indian Medicine	23.85
2.	Board of Homeopathy	10.00
3.	DoIT&C (Backend) / Medical Council	66.93
Total Project Cost (1+2+3)		<b>100.78</b>

**The Committee accords technical approval on the proposal having estimated cost of Rs. 100.78 Lakh; subject to the availability and approval of funds from Finance Dept.**



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**12. Project : Conservation, Restoration & Development of SMS town hall (Old Vidhansabha Assembly) into world class heritage museum (Amber Development Authority)**

The Committee was informed about the ICT part of the project proposal submitted by Amber Development & Management Authority (ADMA), Jaipur. ADMA has submitted a DPR (Detailed project report) for the 2<sup>nd</sup> phase of Conservation, Restoration & Development of SMS Town Hall (Old Vidhansabha Assembly) into the world class heritage museum.

A meeting of State Level Steering Committee (constituted for above mentioned work) was convened under the chairpersonship of Chief Secretary, GoR on 09-02-2023 and the directions were issued for the vetting/ comments/ technical approval of the IT related activities of the project by Dept. of IT&C.

Under the works of Phase-2, following activities are listed as activities pertaining to computer & IT related -

1. Graphics design- Rs. 3,01,22,419/-
2. Software and content development – Rs. 8,80,03,488/-
3. Museum website and online presence – Rs. 2,87,90,530/-

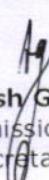
The Committee considered only the Museum website and online presence "Website under the category of IT/ e-Governance i.e. Design and Programming, Progressive Web Application, Server and Domain, AMC and Trainings, Digital Marketing: SEO + Social Media".

Department/ Amber Development Authority will host the website in State Data Center (SDC), Dept. of IT&C.

**The Committee accords technical approval on the component of "Museum Website and Online Presence" having estimated cost of Rs. 287.91 Lakh; subject to the availability and approval of funds from Finance Dept.**

Meeting ended with a vote of thanks to the chair.

This bears the approval from competent authority.

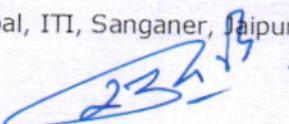
  
(Ashish Gupta)  
Commissioner &  
Joint Secretary, IT&C

**Copy for information and necessary action to:**

1. PS to Addl. Chief Secretary, Finance Dept. & Dept. of IT&C, Rajasthan, Jaipur
2. PS to Principal Secretary, Cooperative Dept., Rajasthan, Jaipur
3. Ps to Principal Secy., Art&Culture Dept. & CEO, Amber Dev.&Mgmt. Authority, Jaipur
4. PS to Principal Secretary, Planning, Rajasthan, Jaipur
5. PS to Secretary, Finance (Revenue) Dept., Rajasthan, Jaipur
6. PS to Secretary, Skill, Employment & Entrepreneurship Dept., Rajasthan, Jaipur
7. PS to Secretary, Finance (Expenditure) Dept., Rajasthan, Jaipur
8. PS to Registrar, Cooperative Societies, Rajasthan, Jaipur
9. PS to Commissioner & Joint Secretary, Dept. of IT&C, Rajasthan, Jaipur
10. PS to Joint Secretary, Finance (Taxation), Rajasthan, Jaipur
11. PS to Director, State Insurance & Provident Fund Dept., Rajasthan, Jaipur
12. PS to Inspector General, Registration & Stamps Dept., Rajasthan, Ajmer
13. PA to Joint Secretary, Finance (Expenditure-III) Dept., Raj., Jaipur
14. PA to Secretary, Rajasthan State Textbook Board (RSTB), Jaipur
15. PA to Director (Technical), RajCOMP Info Services Limited, Jaipur

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16. PS to DDG & SIO, NIC, Rajasthan, Jaipur
17. PA to Director, Technical Education (Training), Rajasthan, Jodhpur
18. PA to Director, Treasuries & Accounts Dept., Rajasthan, Jaipur
19. Smt. Poonam Choudhary, Chief Accounts Officer, Dept. of IT&C, Jaipur
20. Shri Sushil Parihar, Technical Director, Dept. of IT&C, Jaipur
21. Smt. Jyoti Luhadiya, Technical Director, Dept. of IT&C, Jaipur
22. Shri Rajesh Bhatnagar, Addl. Director, Dept. of IT&C, Jaipur
23. Smt. Amita Sharma, Addl. Director (IFMS), T&A Dept., Rajasthan, Jaipur
24. Smt. Shipra Vikram, Project Director (RGHS), Jaipur
25. Shri Jagdish Hatila, SA (JD), Raj. Council For Vocational Education & Training, Jodhpur
26. Shri Dheeraj Gaur, S.A. (Joint Director), Dept. of IT&C, Jaipur
27. Shri L.K. Tanwar, S.A. (Joint Director), Dept. of IT&C, Jaipur
28. Shri Pradeep Kumar Sharma, S.A. (Joint Director), Dept. of IT&C, Jaipur
29. Smt. Vinita Srivastava, SA (Joint Director), Dept. of IT&C, Jaipur
30. Shri Brindra Singh, Executive Director (Works), Amber Dev.&Mgmt. Authority, Jaipur
31. Smt. Sonal Mathur, Joint Registrar (Plan), O/o the Cooperative Societies, Raj., Jaipur
32. Shri K.N. Sharma, Joint Registrar (Cooperatives) & Manager (T), RISL, Jaipur
33. Shri Vijay Kumar Kanugo, Manager (T), RISL, Jaipur
34. Shri Jai Singh Nathawat, ACP, Dept. of IT&C, Jaipur
35. Smt. Shruti Kirti Gupta, ACP, Registration & Stamps Dept., Rajasthan, Ajmer
36. Shri N.K. Katewa, ACP, RGHS, Jaipur
37. Shri Sunder Chetiwal, Nodal Officer (Kaushal Darpan) & Principal, ITI, Sanganer, Jaipur
38. Director, LNMIIT, Jaipur



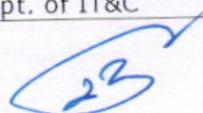
(Sushil Parihar)  
Technical Director

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Annexure-“A”

**95<sup>th</sup> Meeting of SeMT held on 24-02-2023 - List of Attendees**

<b>S. No.</b>	<b>Name of officer</b>	<b>Designation</b>
1.	Shri Akhil Arora	ACS, Finance Dept. & Dept. of IT&C
2.	Shri Meghraj Singh Ratnoo	Registrar, Cooperative Dept.
3.	Shri Ashish Gupta	Commissioner & Joint Secretary, IT&C
4.	Smt. Namrata Vrishni	Joint Secretary, Finance (Taxation) Dept.
5.	Shri Sharad Mehra	Inspector General, R&S Dept.
6.	Shri H.K. Juneja	Joint Secretary (Exp. -III), Finance Dept.
7.	Shri Vinod Kumar Purohit	Secretary, Rajasthan Rajya Text Book Board
8.	Shri Arun Chauhan	Director (Technical), RISL
9.	Shri A.K. Anand	Director, Technical Education (Training)
10.	Smt. Poonam Choudhary	Chief Accounts Officer, Dept. of IT&C
11.	Shri Sushil Parihar	Technical Director, Dept. of IT&C
12.	Smt. Jyoti Luhadiya	Technical Director, Dept. of IT&C
13.	Shri Naraian Paliwal	OSD (Plan), Planning Dept.
14.	Shri Apresh Dubey	Addl. Director, Dept. of IT&C
15.	Smt. Shipra Vikram	Project Director (RGHS)
16.	Smt. Sonal Mathur	Joint Registrar (Plan), Cooperative Dept.
17.	Shri Dheeraj Gaur	S.A. (Joint Director), Dept. of IT&C
18.	Shri L.K. Tanwar	S.A. (Joint Director), Dept. of IT&C
19.	Shri Pradeep Kumar Sharma	S.A. (Joint Director), Dept. of IT&C
20.	Shri Manoj Sharma	Project Officer, SeMT, Dept. of IT&C
21.	Shri Naresh Gupta	ASIO, NIC
22.	Shri K.N. Sharma	Manager (T), RISL
23.	Shri Devendra Sharma	ACP (Dy. Director), Dept. of IT&C
24.	Shri Raj Kumar Singh	ACP (Dy. Director), Dept. of IT&C
25.	Shri Nand Kumar Katewa	ACP (Dy. Director), RGHS, SI&PF Dept.
26.	Shri Sanjay Deman	ACP (Dy. Director), Commercial Taxes Dept.
27.	Shri Sunder Chetiwal	Nodal Officer (Kaushal Darpan)
28.	Shri Pramod Mathur	Programmer, Cooperative Dept.
29.	Shri Nikhil Meena	Assistant Programmer, Dept. of IT&C



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Annexure-“B”

Observation/ view/ minimum technical specification suggested by Technical Committee (T.C.) of Dept. of IT&C for “**Procurement of Computer Hardware & Allied Items and Development of GIS based DLC system**” by Registration & Stamps Dept. are as mentioned below:

**1) Desktop Computer (All-in-One):**

Item	Minimum Technical Specification
Processor	Intel i5 (12th Generation or higher), 6 Core or higher, with minimum 2.5 GHz or higher (Base Frequency), 18 MB Cache or higher
Chipset	Compatible Chipset
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition
Graphics	Integrated Graphics Card
Memory (RAM)	8 GB DDR4 3200 MHz with minimum 2 DIMM Slots expandable up to 64 GB or higher
Storage	512 GB NVMe SSD
Ports	Minimum 4 USB ports with at least 2 USB 3.0 or higher ports, HDMI, Display port, Audio jack for headphone & microphone. HDMI to DP Port connecting cable (in case Display port is Provided)
Display	Minimum 23.8 inch or higher, Resolution 1920x1080 or higher Display, TCO Certified
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse with Mouse Pad
Certification	RoHS Compliance, BIS
Camera	Integrated webcam
Speaker & Microphone	Integrated audio controller with internal speakers
Network Interface	Integrated 10/100/1000 GB Ethernet, Integrated 802.11ac Wi-Fi and Bluetooth 5.0 or higher
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ McAfee/ Quick Heal/ Symantec/ Sophos/ Kaspersky with minimum 3 years subscription
Security	TPM 2.0
Accessories	All necessary cables

**2) Desktop Computer:**

Item	Minimum Technical Specification
Processor	Intel i5 (11th Generation or higher), 6 Core or higher, with minimum 2.5 GHz or higher (Base Frequency), 18 MB Cache or higher
Chipset	Compatible Chipset
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition
Graphics	Integrated Graphics
Memory (RAM)	8 GB DDR4 3200 Mhz with minimum 2 DIMM Slots expandable 64 GB or higher
Storage	256 GB NVMe SSD + 1 TB 7200 RPM SATA Drive
Ports	Minimum 6 USB ports with at least 2 USB 3.0 or higher, 1- HDMI, Display port, Audio jack for headphone & microphone, Integrated webcam
Display	Minimum 21.5" inch or higher, Resolution 1920x1080 or higher Display, TCO Certified
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ McAfee/

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	Quick Heal/ Symantec/ Sophos/ Kaspersky with minimum 3 years subscription
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse with Mouse Pad
Network Interface	Integrated 10/100/1000 GB Ethernet, Integrated 802.11 ac Wi-Fi and Bluetooth 5.0 or higher
Certification	RoHS Compliance, OEM certification for preloaded Operating System
Accessories	All necessary cables

**3) Laser Printer:**

Parameters	Minimum Technical Specification
Type	Monochrome Laser
Print Speed	20 PPM
Functions	Print
Duty Cycle (Monthly)	10000 Pages
Paper Size	A4, Legal
Print Resolution	600x600 Dpi
Port	USB/ Ethernet
Tray	Min 100 sheets
Yield of Cartridge	Composite, Yield minimum 1500 pages
Certification	RoHS Compliance, BIS
Memory	64 MB or higher
Operating System	Windows, Linux and Mac iOS
Accessories	All necessary cables (Power & Communication)

**4) Multipurpose Laser Printer (MFP):**

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	Monochrome Laser
Print Speed (Minimum)	25 PPM (Mono)
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	256 MB or higher
Display	Monochrome LCD Touch Screen Display
Connectivity	USB, Ethernet/ Wi-Fi
Duty Cycle (Monthly)	10000 pages or higher
Copy Speed	15 PPM or higher
Copy Resolution	600 x 600 dpi or higher
Scan File Format	PDF, JPEG, TIFF BMP etc.
Scan Speed	15 PPM or higher
Scan Resolution	600 x 600 dpi or higher
Scan Type/ Technology	FLATBED and ADF
Input paper tray capacity	100 pages or higher
Toner Cartridges	Composite Cartridges
Additional Toner Cartridge	OEM should supply 1 company packed additional Cartridge along with printer
Compatible operating Systems	Windows, Linux and Mac iOS
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/DVD
Certifications	BIS, ROHS

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**5) Multifunction A3 Laser Printer:**

<b>Item</b>	<b>Minimum Technical Specification</b>
Main Functions	Print, Copy, Scan
Print Technology	Laser
Type of printing	Mono
Developer Unit	Yes
Flatbed Size	A3
Paper Size (Original/ Image)	A3/ A3
RAM	1 GB or higher
Minimum page per minute A4 size	30 PPM or higher
Minimum page per minute A3 size	15 PPM or higher
Scanning feature availability	Yes
Duplex feature availability	Yes
Network feature availability	Yes (Ethernet 100/100/1000)
Feeder Capacity (Number)	100 or higher
Number of main tray capacity (No.)	2
Each main paper tray capacity (No.)	500 or higher
Bypass Facility	Yes
Duty Cycle (no. of prints/ month)	80000 pages or more
Interface	USB 2.0 High Speed x1
Resolution (copy)	600x600 dpi
Operating System supported	Windows, Linux and Mac iOS
Certification	BIS

**6) Scanner:**

<b>Item</b>	<b>Minimum Technical Specification</b>
Type	Flat bed with ADF
Scan Resolution, optical	600 dpi or more
Scan file format	PDF, JPEG, TiFF, BMP etc.
Media size supported	At least A4, A5 & Legal through ADF
Features	Single Pass Duplex scanning
Automatic document feeder speed	25 ppm or more (Black & White, Grey Scale and color)
Duty Cycle	Minimum 500 per day
ADFP Capacity	50 or more
Compatible operating systems	Windows 7, 8, 10 or higher and Linux- Ubuntu
Connectivity	USB
Software media	Driver & Utility software on media
Certifications	BIS, ISO
Cables/ Accessories	All the required cables, accessories

**7) UPS 1 KVA:**

<b>Item</b>	<b>Minimum Technical Specifications</b>
UPS Capacity	1 KVA
Protection	Full Protection
voltage	230V +10%
Range	160V - 280V
Power factor	0.6 or higher
Back up time	168 VAH for 30 Minutes backup on 1 PC (Inbuilt Batteries)
Indicator	Mains On/ On Battery/ Low Battery/ Fault/ Overload
Plug and cable	Input cable of 1.0 Mtr or longer with 3 pin Indian plug and output have 4 nos. of 5 pin Indian socket
Battery Type	Sealed Lead Acid Valve Regulated
Alarm	ON Battery/ Fault Over Load, Low Battery
Certifications	BIS, ISO, ROHS



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**Annexure - "C"**

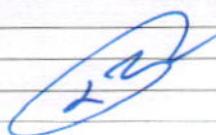
Observation/ view/ minimum technical specification suggested by Technical Committee (T.C.) of Dept. of IT&C for "**Procurement of IT Infrastructure for the Office of the Registrar Cooperative Societies, GoR and FMS of 'Cooperative Management System' for Co-operative Department of Rajasthan, (Raj Sahkar)**" are as follows:

**1) Desktop Computer (All-in-One):**

<b>Item</b>	<b>Minimum Technical Specification</b>
Processor	Processor: Intel i5 (12 <sup>th</sup> Generation or higher) 6 Core or higher, with minimum 2.5 GHz or higher (Base Frequency), 18 MB Cache
Chipset	Intel Q Series
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition.
Memory (RAM)	8 GB DDR4 3200MHz or higher with 64 GB Expandability
Storage	512 GB NVMe SSD/ 1 TB NVMe SSD
Audio	Integrated audio controller with internal Speaker
Ports	Minimum 5 USB ports with at least 2 USB 3.0 or higher ports, HDMI/ Display port, Audio jack for headphone & microphone, Integrated Webcam
Camera	Integrated webcam 5 MP
Display	Minimum 23.8 inch or higher, Resolution 1920x1080 or higher Display, TCO Certified
Antivirus	Latest Version Internet Security of Trend Micro/ MacAfee/ Symantec/ Sophos/ Kaspersky, with minimum 3 years subscription
Certification	RoHS Compliance, OEM Certification for preloaded Operating System (OS)
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse with Mouse Pad
Network Interface	Integrated 10/100/1000 GB Ethernet, Integrated 802.11ac Wi-Fi and Bluetooth 4.0 or higher
Accessories	All necessary cables
Security	Hardware TPM 2.0

**2) Desktop Computer:**

<b>Item</b>	<b>Minimum Technical Specification</b>
Processor	Processor: Intel i5 (12 <sup>th</sup> Generation or higher) 6 Core or higher, with minimum 2.5 GHz or higher (Base Frequency), 18 MB Cache
Chipset	Intel Q Series
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition
Memory (RAM)	8 GB DDR4 3200MHz or higher with 64 GB Expandability
Storage	512 GB NVMe SSD
Graphics	Integrated Graphic card
Ports	Minimum 5 USB ports with at least 2 USB 3.0 or higher ports, HDMI/ Display port, Audio jack for headphone & microphone
Display	Minimum 19.5 inch or higher, Resolution 1600x900 or higher Display, TCO Certified
Antivirus	Latest Version Internet Security of Trend Micro/ MacAfee/ Symantec/ Sophos/ Kaspersky, with minimum 3 years subscription
Certification	RoHS Compliance, OEM Certification for preloaded Operating System (OS)
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse with Mouse Pad
Network Interface	Integrated 10/100/1000 GB Ethernet, Integrated 802.11ac Wi-Fi and Bluetooth 4.0 or higher
Form Factor	SFF, Volume not more than 10 liters
Accessories	All necessary cables
Security	Hardware 2.0 TPM
Expansion slots	Minimum two PCIe slots



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## 3) Desktop Computer for VC

Item	Minimum Specification
Processor	Intel i5 (11th Generation or higher) 6 Core or higher, with minimum 2.7 GHz or higher (Base Frequency), 12 MB Cache or higher
Chipset	Intel Q/ B Series
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition recover DVD.
Memory (RAM)	16 GB DDR4 with minimum 2 DIMM Slots
Storage	512 GB SSD
Audio, Mike & camera	Integrated audio controller with internal Speaker, Mike, Camera & Dual Speakers
Ports	Minimum 4 USB ports with at least 2 USB 3.0 or higher ports, HDMI, Display port, Audio jack for headphone & microphone, Integrated webcam
Display	Minimum 21.5" inch or higher, Resolution 1920x1080 or higher Display, TCO Certified
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ MacAfee /Quick Heal/ Symantec/ Sophos/ Kaspersky with minimum 3 years subscription
Certification	ROHS Compliance, Energy Star, EPEAT, Certified for supplied OS
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse with Mouse Pad
Network Interface	Integrated 10/100/1000 GB Ethernet, Integrated 802.11ac Wi-Fi and Bluetooth 4.2 or higher
Accessories	All necessary cables
MS Office Standard	MS Office Standard latest version

## 4) Laptop Computer:

Item	Minimum Technical Specification
Processor	Intel Core i5 (12 <sup>th</sup> Generation or higher), Minimum 4 core or higher
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition
Display	14" or higher diagonal Full HD Display
Memory (RAM)	8 GB DDR4 or higher expandable up to 32 GB
Hard Drive	1 TB NVMe SSD
Speaker & Microphone	Inbuilt speakers and integrated digital microphone
Connection Type	Minimum 2 USB 3.0 or higher HDMI 2.0, Head phone / Microphone combo/ separate, 1- USB type c
Network card	Integrated 10/100/1000 GB Ethernet
Wireless Connectivity	Bluetooth 4.0 or above & integrated Wi-Fi 802.11 b/g/n or higher
Web Cam	HD Web Camera (Front facing)
Battery	Minimum 40Whr
Power Adapter	Standard OEM power adapter
Antivirus	Latest Version Internet Security of Trend Micro/ MacAfee/ Symantec/ Sophos/ Kaspersky, with minimum 3 years subscription
Certification	BIS, RoHS Compliance, OEM Certification for preloaded Operating System (OS)
Accessories	Carry Bag

## 5) Multipurpose Laser Printer:

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	<b>Monochrome</b> laser
Print Speed (Minimum)	25 PPM (Mono) or higher
Print Resolution	600 x 600 dpi or higher

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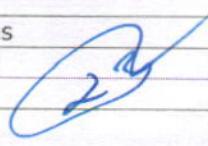
Auto Duplex	Yes
Memory	64 MB or higher
Display	Monochrome LCD Display
Connectivity	USB, Ethernet/ Wi-Fi
Duty Cycle (Monthly)	10000 pages or higher
Copy Speed	10 PPM or higher
Copy Resolution	600 x 600 dpi or higher
Scan File Format	PDF, JPEG, TIFF etc.
Scan Resolution	600 x 600 dpi or higher
Scan Type/ Technology	FLATBED and ADF
Input paper tray capacity	100 pages or higher
Toner Cartridges	Composite Cartridges
Compatible OS	Windows and Linux
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/ DVD
Certifications	BIS, RoHS

**6) Laser Printer:**

Item	Minimum Technical Specification
Functions	Print
Printing Method	Laser
Print Speed (Minimum)	20 PPM (Mono) or higher
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Connectivity	Hi-Speed USB 2.0 port, Wireless 802.11 b/g/n
Duty Cycle (Monthly)	10000 pages or higher
Input paper tray capacity	100 pages or higher
Toner Cartridges	Composite Cartridges
Compatible OS	Windows and Linux
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/ DVD
Certifications	BIS, RoHS

**7) Multifunctional Printer**

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	<b>Color laser</b>
Print Speed (Minimum)	25 PPM or higher
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	64 MB or higher
Display	LCD Touch Screen Display
Connectivity	USB, Ethernet/ Wi-Fi
Duty Cycle (Monthly)	10000 pages or higher
Copy Speed	10 PPM or higher
Copy Resolution	600 x 600 dpi or higher
Scan File Format	PDF, JPEG, TIFF etc.
Scan Resolution	600 x 600 dpi or higher
Scan Type/ Technology	FLATBED and ADF
Input paper tray capacity	100 pages or higher
Toner Cartridges	Composite Cartridges
Compatible OS	Windows and Linux
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/ DVD
Certifications	BIS, ROHS



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**8) UPS:**

<b>Item</b>	<b>Minimum Technical Specifications</b>
UPS Capacity	1 KVA
Protection	Full Protection
voltage	230V +-10%
Range	160V - 280V
Power factor	0.6 or higher
Back up time	168 VAH for 30 Minutes backup on 1 PC (Inbuilt Batteries)
Indicator	Mains On/ On Battery/ Low Battery/ Fault/ Overload
Plug and cable	Input cable of 1.2 Mtr with 3 pin Indian plug and output have 4 nos. of 5 pin Indian socket
Battery Type	Sealed Lead Acid Valve Regulated
Alarm	ON Battery/ Fault Over Load, Low Battery
Certifications	BIS, ISO
Test report	OEM should submit test report for the quoted model issued by State/ Central laboratory/ NABL accredited labs (not old from last 5 Years)

**9) Scanner:**

<b>Item</b>	<b>Minimum Technical Specifications</b>
ADF Capacity	Min. 50 Sheets or higher
Scanning	Simplex/ Duplex
Paper Size Support	A4, Legal, Letter
Optical resolutions	600 x 600 dpi (Color and Mono Sheet Feed)
Daily Duty Cycle	Approx. 3000 scans per day or higher
Scan Speed	25 PPM or higher
Interface	USB 2.0
Scan Format	PDF, JPEG/PNG
Light Source	LED
Accessories	USB Cable , AC adaptor , Power Cable, Setup guide document, Installation software (Driver CD)
Certification	BIS and ISO

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