

GOVERNMENT OF RAJASTHAN
Department of Information Technology & Communication

No.: F.7 (9)/ DoIT&C/ 2023 /ML-1928

Dated: 05/10/2023

Minutes of 97th meeting of SeMT dated 25-09-2023

The 97th meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Additional Chief Secretary, IT&C on 25th September, 2023 in Committee Room No. 2, Main Building, Govt. Secretariat, Jaipur. List of participants is enclosed at **Annexure -"A"**

Agenda Item(s) discussed during 97th meeting of SeMT are indexed as follows:

(Rs. in Lakh)				
SNo	Name of Project	Dept.	Estimated Cost	Page No.
1	Extension of IT-PMU for Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY) (Ex-Post-facto approval of SeMT required)	SI&PF Dept.	472.29	2-4
2	Implementation of e-Filing, e-Summon & Virtual Hearing in Revenue Courts of Rajasthan	Board of Revenue	3803.33	4-9
3	Integrated Commercial Tax Management System (ICTMS)	Commercial Taxes Dept. (CTD)	8453.45	9-11
4	Revision of FMS for RTI Portal 2.0	DoIT&C/ RISL	445.49	11-13
5	Rate Contract of Network Equipment & LAN Infra under RajNET Project	DoIT&C/ RISL	6800.00	13-14
6	Proposal for providing AMC of the DWDM at various locations across Rajasthan State	DoIT&C/ RISL	600.00	15
7	Design, Development and implementation of Integrated Health Management System (iHMS 2.0)	DoIT&C/ RISL	3708.00	16-17
8	Extension of iHMS 1.0 for one (1) year and additional one (1) year.	DoIT&C/ RISL	1140.00	17-19
9	Extension of expert manpower services (Manager Data Analysis)	Medical & Health Dept./ (RSHAA)	65.14	19-20
10	Appointment of Utility Support Unit (USU) for Rajasthan Discoms from empanelled agencies of NICSI-GOI for one (1) year duration	Energy Dept.	678.23	20-21
11	Design, Development and Implementation of Web and Mobile Application for GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS)" under Revamped Distribution Sector scheme (RDSS) for all three Discoms- (i.e. AVVNL, JVVNL, JdVVNL).	Energy Dept.	8000.00	22-23
12	Computerization of Primary Agriculture Credit Societies in the State of Rajasthan	Cooperative Dept.	28592.19	24-27

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The followings were discussed in the meeting:

1. Project : Extension of IT-PMU for Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY) (SI&PF Dept.)

Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY) is a flagship scheme of the State. The scheme is being implemented through IT-PMU established with NICS I enplanement. The scheme was commenced on 1st May 2022.

IT- PMU project was earlier approved in 92nd meeting of State e-Governance Mission Team (SeMT) convened on 26th May 2022 for one (1) year.

Further, the scheme is extended for one more year from 01-05-2023 to 30- 04-2024. The extension project has already been approved by Hon'ble Chief Minister of the State and Administrative and Financial Sanction has been issued by Finance Dept.

Rajasthan Government had launched Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY) to provide free accidental insurance cover up to Rs. 5 Lakh to the families insured under Mukhyamantri Chiranjeevi Swasthya Bima Yojana from May 1st, 2022. State Insurance and Provident Fund (SIPF) Dept. had been given the task of getting an application platform developed for this purpose and hence forth software solution for implementation of MCDBY.

After due approvals from Government, SIPF Dept. under the Dept. of Finance, GoR established an IT Project Management Unit (IT-PMU), to take the responsibility to provide support in the development of MCDBY application, design and develop new modules, develop use cases by using emerging technologies in - line with the vision of common web portal providing effective services and requisite accidental insurance coverage to the insured families.

After completion of successful one year, this IT-PMU is being extended as per the provisions of MoU executed between NICS I and SIPF on mutual consent. NICS I had provided consent for the extension. SIPF is acting as the nodal unit for project governance and implementation of the scheme across the state through various other stakeholders, such as:

- Citizens (beneficiaries under the scheme)
- SIPF (State Insurance and Provident Fund)
- CPA (Claim Processing Agency)
- Dept. of Police, Rajasthan
- Dept. of Finance, Rajasthan
- Rajasthan State Health Assurance Agency (RSHAA)
- Janaadhar

Broad Scope of Work:

1. Support and maintenance of MCDBY 1.0 Application

Support & Maintenance would consist of following stages

- Enhancement and optimization of existing modules
- Enhancement and optimization of integrated third party applications
- Change Request Management
- Day to day application support
- Training
- Migration plan to MCDBY 2.0

2. Enhancement, Optimization and New Development (MCDBY 2.0)

- Revamping and New Development
- New Integrations
- Design, Development, and Implementation of New provisions
- Post Implementation Support and Maintenance
- Other Associated Activities

3. Operation and Maintenance (MCDBY 2.0)

Implementation Support

Implementation Support /Operations & Maintenance phase will be provided for both, the existing platform and to upgraded platform which will start after completion of Transition and Go Live Phase. Overall support methodology will consist of followings:

- Tracking the tickets assigned by the helpdesk team
- Analysis and resolution based on Priorities and Severity of defects
- Platform and application performance monitoring
- Regular maintenance: The regular maintenance will entitle the system for the following:
 - Provide L3 support for scope of work of SIPF
 - Any error/defect/bug correction as and when released by EY.
 - Error/Defect/Bug corrections of application due to modifications or corrections of application software due to improper functioning or minor changes (Label Changes) in functionalities or existing reports.
 - Impact Analysis due to any changes in operating systems, databases, hardware, and other equipment connected to the system will not be included in this support arrangement
 - Data correction in records, if required will be done with agreed approval process In the O&M phase, reports shall be submitted periodically to the SIPF.

Financial Implication:

(Amount in Rs.)

S. N.	Position	Resource Category	Man Month rate	No. of Resource for one Yr.	Annual Cost
1	Team Lead	Consultant with 6-10 Years of Experience - Technology Category	2,75,000	1	33,00,000
Application Support and maintenance					
2	App Development Expert	Consultant with 6-10 Years of Experience - Management Category	2,75,000	1	33,00,000
		Consultant with 3-6 Years of Experience - Management Category	2,35,000	2	56,40,000
3	DB Expert	Consultant with 6-10 Years of Experience - Technology Category	2,75,000	1	33,00,000
Enhancement, Optimization and new Development					
4	DB Expert	Consultant with 3-6 Years of Experience - Technology Category	2,35,000	1	28,20,000
5	App Development Expert	Consultant with 6-10 Years of Experience - Technology Category	2,75,000	1	33,00,000
		Consultant with 3-6 Years of Experience - Technology Category	2,35,000	2	56,40,000
6	Business Analyst	Consultant with 6-10 Years of Experience - Technology Category	2,75,000	1	33,00,000

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S. N.	Position	Resource Category	Man Month rate	No. of Resource for one Yr.	Annual Cost
		Consultant with 3-6 Years of Experience - Technology Category	2,35,000	1	28,20,000
7	Analytics Expert	Consultant with 6-10 Years of Experience - Technology Category	2,75,000	1	33,00,000
		Sub-Total(A)		12	3,67,20,000
		Add NICS Charges 9%			33,04,800
		Sub-Total (B)			4,00,24,800
		Add IGST @18%			72,04,464
		Total			4,72,29,264

Fund Management:

Expenditure would be met from the funds managed by SI&PF Dept.

Keeping in view of the fact of urgency 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. 472.29 Lakh; subject to the approval of funds from Finance Dept.

2. Project : Implementation of e-Filing, e-Summon & Virtual Hearing in Revenue Courts of Rajasthan (Board of Revenue, Rajasthan)

In compliance with point number 181 (V) of the Budget Announcement (2023-24) made by the Honorable Chief Minister, the system of hearing through e-Filing, e-Summon and Virtual Hearing will be implemented in the revenue courts. Rs 25.00 crore will be spent on this.

Scope of Work:

1. Process of e-Filing, e-Summon and Virtual Hearing in Revenue Board and Subordinate Revenue Courts:-

a. e-Filing-

The process of this module for Revenue Board, Rajasthan, Ajmer and Subordinate Revenue Courts is as follows:-

- All the Advocates will login through SSO and submit all the information as per their recollection in the Revenue Court Management System Application by typing and uploading the documents related to the case. While submitting the case by the advocate, the information related to the subordinate revenue courts will have to be entered in their case number, due to which the related information will be available online.
- The Revenue Board and Subordinate Revenue Courts will scrutinize the case online and approve/re-submit it.
- All types of work related to the case like order sheet to be maintained online and interim/final decision will be typed and uploaded online.

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b. e-Summon-

The process of this module for Revenue Board Rajasthan, Ajmer and Subordinate Revenue Courts is as follows:-

- Through this process, the notices sent to the parties from the Divisional Court and Subordinate Courts will be sent by e-signing online through the portal.
- Under this process, e-Summon along with the memo of the case will be sent to the Tehsil offices online through the portal by e-signing, which will be printed by the Tehsil office and the process of service will be completed. After completion of the process of service, the service report will be scanned by the Tehsil office and sent online to the Board.
- In this process, along with offline service, service will also be done through e-mail and SMS on the e-mail ID and mobile number available on the portal.

c. Virtual Hearing-

The process of this module for Revenue Board Rajasthan Ajmer and Subordinate Revenue Courts is as follows:-

- In this process, while making the cause list on the portal, the link meeting ID of VC will be sent individually to the concerned advocates/applicants/non-applicants for each case through mobile message/e-mail.
- On the day of hearing, the cases will be heard by the court according to the cause list serial no.
- On the day of hearing, the concerned advocates/applicants/non-applicants will join the virtual hearing through the VC link/meeting ID by seeing their no. on the display system/public portal of the Revenue Board.

Financial Implication for Software and Hardware:

1. The work of **software development, maintenance and procurement** for e-Filing, e-Summon and Virtual Hearing modules is proposed to be done through DoIT&C/RISL.

For this the following budget will be required:-

(Amount in Rs.)					
SN	Modules	Type of expenditure	Particular	Executing Agency	Amount required
1.	e-Filing	Capital	Software development with two years support and maintenance	DoIT&C/RI SL	1,68,10,655
2.	e-Summon				
3.	Virtual Hearing		Cloud-based VC Licenses Software for 592 locations (Per Licenses cost is Rs. 75,000/-)		4,44,00,000
Grand Total					6,12,10,655

2. For the implementation of e-Filing, e-Summon and Virtual Hearing module, the following budget will be required for **hardware** in the divisional and subordinate revenue courts:-

(Amount in Rs.)					
SN	Modules	Type of expenditure	Particular	Executing agency	Amount required
1.	e-Filing	-	-	-	-
2.	e-Summon	Capital	Hardware for Board of Revenue (36Qty) and 992 Sub-ordinate Revenue Courts	DoIT&C/RISL	11,71,92,000
			LAN work for Board of Revenue	BoR, Ajmer	10,00,000
		Operational	Printing accessories (Printing ink, paper rim) for 992 Sub-ordinate Revenue Courts	Respective courts	99,20,000
	Sub Total				12,81,12,000

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3.	Virtual Hearing	Capital	Hardware for BoR, DC, ADC, DM, ADM, RAA, SO-Cum-RAA, ACEM and ACEM (FT) courts (269 locations)	DoIT&C/RISL	15,87,10,000
			Hardware for 323 SDMs Revenue Courts		3,23,00,000
		Sub Total			
Grand Total					31,91,22,000

A total budget of **Rs. 38,03,32,655/-** (Rs. thirty eight Crore three Lakh thirty two thousand six hundred fifty five) is required for the software and hardware of e-Filing e-Summon and Virtual Hearing module.

Detailed Breakup of Cost:

For the implementation of the above three modules, the software and hardware details in the divisional and subordinate revenue courts are as follows:-

- **E-Filing:** This module does not require hardware.
- **e-Summon:** For this module, total 36 Qty. of Revenue Board Court (22 Cell wise Record Room, 02 Judicial Admin, 03 Feedback Room, 04 Registrar Court, 02 Consignment, 02 Record Room and 01 Cause List Room) and 992 Subordinate Revenue Courts Locations. Details of the same are as follows –

S.N.	Name of Subordinate revenue court	No. of subordinate courts till dated 16-03-2023	No. of potential subordinate courts	Total No. of subordinate courts
1.	Divisional Commissioner	7	3	10
2.	Additional Divisional Commissioner	7	3	10
3.	Revenue Appeal Officer	14	-	14
4.	Land Management Officer Ex-officio Revenue Appeal Officer	9	-	9
5.	District Collector	33	17	50
6.	Additional District Collector	59	23	82
7.	Assistant Collector	30	-	30
8.	Assistant Collector (FT)	48	-	48
9.	Sub Divisional Officer	316	7	323
10.	Tehsildar	392	24	416
Total		915	77	992

Details of hardware and LAN work in Revenue Board for total 1028 Qty. of revenue board court and subordinate revenue board courts is as follows:

(Amount in Rs.)

S.N.	Items	Qty.	Unit Cost	Total Cost
1.	Desktop Computer	1028	70,000	7,19,60,000
2.	Multi-Functional Device Printer	1028	25,000	2,57,00,000
3.	Online UPS 1KV	1028	10,000	1,02,80,000
4.	Bar Code Scanner	1028	9000	92,52,000
5.	Complete LAN work in BOR			10,00,000
Grand Total				11,81,92,000

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Operational Expenditure (Printing Ink, Paper rim etc.) for all revenue courts is as follows:

(Amount in Rs.)			
S.No.	Number of Courts	Per Court Expenditure Cost	Total Cost
1.	992	10,000	99,20,000

- **Virtual Hearing:** For this module, Details of total 16 Qty. of Revenue Board Court and 253 subordinates Revenue Board Court are as follows:

S.N.	Name of Subordinate revenue court	No. of subordinate courts till dated 16-03-2023	No. of potential subordinate courts	Total No. of subordinate courts
1.	Divisional Commissioner	7	3	10
2.	Addl. Divisional Commissioner	7	3	10
3.	Revenue Appeal Officer	14	-	14
4.	Land Management Officer Ex-officio Revenue Appeal Officer	9	-	9
5.	District Collector	33	17	50
6.	Addl. District Collector	59	23	82
7.	Assistant Collector	30	-	30
8.	Assistant Collector (FT)	48	-	48
Total		207	46	253

The details of software and hardware for total 269 Qty. of revenue board court and subordinate revenue board courts are as follows:

(Amount in Rs.)				
S.N.	Items	Qty.	Unit Cost	Total Cost
1.	VC End Point	269	4,25,000	11,43,25,000
2.	Cloud Based VC Licenses	269	75,000	2,01,75,000
3.	50" LED	269	65,000	1,74,85,000
4.	All in one Desktop Computer	269	1,00,000	2,69,00,000
Grand Total				17,88,85,000

Details of software and hardware for total 323 Qty. (SDMs Courts) are as follows:

(Amount in Rs.)				
S.N.	Items	Qty.	Unit Cost	Total Cost
1.	Cloud Based VC Licenses	323	75,000	2,42,25,000
2.	All in one Desktop Computer	323	1,00,000	3,23,00,000
Grand Total				5,65,25,000

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

Overall Financial Implication:

The Estimated cost of project proposal is Rs. 3803.33 Lakh for the software and hardware of e-Filing, e-Summon and Virtual Hearing module.

Fund Management:

Expenditure would be met from the funds managed by Board of Revenue, Ajmer.

During discussions, the Committee highlighted for compliance with point number 245 of the Budget Announcement (2023-24) by which it was announced that, "The process of appeal will be made online in all revenue earning departments and option of hearing through VC is also proposed to be given", so keeping in view as Board of Revenue is mother organization on court matters so all revenue earning department including commercial taxes, taxation etc. may also be onboard on same platform with a generic solution.

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Therefore provision is to be made available on GCMS platform to plug-in other all revenue earning departments to make use of generic e-filing and virtual hearing modules to be built, so as to provide a common platform to these departments along with all Revenue courts. In order to store and maintain all documents submitted in e-filing and store recording of virtual hearing for future references and to provide servers for database, application and web services, a separate exclusive stack should be built after proper stacks analysis and due diligence for catering the present needs and future requirements. Funding for the same should be sought by the respective departments and clubbed together to build common platform.

In context to the above mentioned para, required details submitted by technical representative of DoIT&C for Board of Revenue, Ajmer as mentioned below:

Additional components for e-Filing, e-Summon and virtual hearing:

(Rs. in Crore)				
S N	Particular	Remark	Approx. cost	Amount
A.	Stake building			
1.	Storage for scanned files (Legacy data and for next 5 years (approx. 200 TB)	<ul style="list-style-type: none"> • Presently 623619 physical files are available as legacy data at BoR and subordinate revenue courts up to SDO courts • Approx. 500 pages per file • Approx. 300 KB data uses for per page scanning • Approx. 100 TB storage required for legacy data storage • Approx. 1.38 lakh new cases being registered per year in these courts • Approx. 7.00 lakh new cases will be registered in next 5 years • Approx. 500 pages per files • Approx. 300 KB storage for per page • Approx. 105 TB storage will be required for next 5 years. • Thus, total requirement of storage for document is approx. 200 TB 	Type - SSD Rs. 1.00 lakh per TB	2.00
2.	Storage for virtual hearing recording for next 5 years (approx. 600 TB)	<ul style="list-style-type: none"> • Approx. 600 VC setup • Approx. 3 working hours per day per court • Approx. 250 MB storage required for per hour recording • Approx. 20 working days in a month • Thus, 600 TB storage will be required for 5 years 	Type - NL - SAS Rs. 20000/- per TB	1.20
3.	Servers 5 nos. (32 core x 2 sector)	Server required <ul style="list-style-type: none"> • For front end (application) - 02 • For back end (database) - 02 • For file server - 01 	Approx. Rs. 20.00 Lakh per server	1.00
4.	DMS license	Approx. 300 concurrent license required	Approx. Rs. 100000/- license	3.00
Total for A				7.20

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B.	Common VC platform set up for revenue earning depts.	<ul style="list-style-type: none"> • 11 VC points required for Commercial Taxes Department • 18 VC points required for IGRS (VC end point + cloud based VC license + 50"LED + one Desktop/ AIO for each location) 	Approx. Rs. 6.65 lakh per VC setup	2.00
	Total for B			2.00
C.	Software and other apps	Manpower (Consultant), application software, API, mobile app development		1.00
	Total for C			1.00
	Grand Total (A+B+C)			10.20

Approx. budget required for additional components:

(Rs. in Crores)		
S. No.	Particular	Approx. budget required
A.	Stake building	7.20
B.	Common VC platform setup for revenue earning departments	2.00
C.	Software and other apps	1.00
	Grand Total	10.20

The Committee accords technical approval on the proposal having estimated cost of Rs 3803.33 Lakhs along with the direction for Revenue Department/ Board of Revenue to go ahead with recent proposal and later-on merge the extended part of the project with recent proposal & submit the same for revised technical approval of SeMT. Additional Funding for the same should be sought by the respective revenue earning departments and clubbed together to build common platform.

3. Project : Integrated Commercial Tax Management System (ICTMS) (CTD)

CTD, GOR is administrating the tax administration of the State. Currently, CTD is using following IT systems:

- *rajtax.gov.in* is a user centric public portal which displays Dept.al information and provides VAT related services to the taxpayers. Broadly it includes information related to organization. Acts/rules (both GST & VAT) forms, Tax rates, notifications schemes e-services and their user guides for the taxpayers etc.
- CTD is using another application RajVISTA, which is an internal portal used by officers of CTD for executing business processes related to VAT.
- Rajasthan is model-2 state for the GSTN and using backend intranet application (*boweb.internal.gst.gov.in*) developed by GSTN for executing business processes related to GST.
- For analytical purposes and decision support system the Dept. is also using the data provided by GSTN through APIs and SFTP.
- Dept. is also using SAS for analytical reports.

Challenges in prevailing system: Dept. is facing following challenges using existing system:

- Technology used for development in RajTAX and RaVista has become obsolete.
- GSTN and BoWeb are separate software being maintained by the GSTN itself and thus can't be used in integrated manner with VAT applications.
- Many applications like VAT, RIPS, GST, SAS, Data extraction using GSTN APIs etc. are working in silos.

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RajPMU (Rajasthan Project Monitoring Unit) Team working at the CTD under administration of Finance Dept. submitted a ToR regarding Development, Implementation & Management of Integrated Commercial Taxes Management System (ICTMS) for CTD, Rajasthan

It was proposed that integrated system will have a common user interface and database of the existing systems running in siloes as of now. This will provide the single platform for all the systems (VAT, GST, RIPS etc.) under CTD, to achieve the better taxpayer services and efficient workings of tax officials.

Objective of the project: To have a system in place with an objective of –

- Expansion of IT processes to minimize human interventions using emerging technologies to overcome the issues being faced in prevailing system.
- Have intra & inter-Dept. integrations and Inter-state data flow
- As per Budget announcement 2023-24:
 - 2000 Commerce Graduates/ Chartered Accounts shall be appointed as Tax Mitra to prevailing handholding support.
 - Self-Tax Scrutiny Services are to be provided to businessmen.
- Considering the budget announcement, an AI software platform 'eTax officer (ETO)' has to be developed.
- Key modules planned in Application Software: New VAT IT System, GST Support Utility, Tax Mitra Module, Tax Admin Module, Chat Bot, Data Extraction using GSTN APIs, Analytical Reports and Integration with various entities etc.

Scope of Work –

1. Overview:

- Analyze the challenges of current system, understand the expectations of stakeholders and various integration touch points for ICTMS
- Preparation of project plan, FRS, SRS and other supporting documents as required
- Design the various components of ICTMS and prepare the design documents.
- Development of various modules under ICTMS based on approved design documents
- Conduct testing (Unit & Regression) and assist the Dept. in conducting User Acceptance Testing (UAT)
- Customization & bug fixes as per the UAT and performance tuning based on the feedbacks
- Facilitate the security audit of application by the Dept. or nominated agency and ensure the compliances towards the Audit findings
- Conduct the Proof of Concepts (POC), Pilot run and Go-Live of the ICTMS
- Execution of data migration from legacy system
- Adherence to the standard guidelines and compliances issued by the Government of India such as GIGW, MeitY and the guidelines issued by the State Government
- Conduct the training workshops & handholding sessions throughout the project period as per the requirement of the Dept.
- Integration of ICTMS with various other systems (like IRMS, RIPS, MCA, CBDT, Mining, Transport, Electricity, etc.) as and when suggested by the Dept.
- Provide post implementation support to manage the business operations & maintenance activities for ICTMS
- Cater the changes/upgradation required in system as per business requirements of CTD
- Ensure compliances to the requirements, Service level agreements and timelines of the project
- Preparation of documents required for the effective project governance, development, implementation, operations and exit management of project

2. Micro services based architecture.

- Micro services Supported Tools and Technologies
- Cloud Capabilities
- Migration Strategy

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Proposed Project Timelines, Components and Financials: A five-year project is proposed to be executed on 'Delivery Based' approach having following components:

- A) **Design Development, Implementation and FMS of a Comprehensive software solution**
B) **Infrastructure Set-Up**
C) **Phases:**

SN	Phase	Duration
1.	Design, development customization, deployment & Go-live	18 Months
2.	Upgradation, customization, testing, support & maintenance including O&M	42 Months
Total Duration		60 Months

Estimated financial implication:

		(Amount in Rs.)
S. No.	Particulars	Amount
1.	A) Estimated expenditure for ICTMS during design development phase for a duration of One and half year as per scope of work a) One and a half year of design, development customization deployment & Go-live (with expected 42 resources) b) Three and a half year customization testing implementation & FMS (upgradation maintenance) including O&M (with expected 23 resources) c) 100 man months of Change Request	40,48,10,265.00
2.	B) Estimated Expenditure for Infrastructure (System Software, Licenses etc.)	25,00,00,000.00
3.	Miscellaneous @ 2% of (S. No. 1 + S. No. 2)	1,30,96,205.00
4.	Sum of S. No. 1, 2 and 3	66,79,06,470.00
5.	GST @ 18%	12,02,23,165.00
6.	Sum of S. No. 4 and S. No. 5 [Sub Total (A)]	78,81,29,635.00
7.	RISL service charges on (A)	4,84,87,778.00
8.	GST on RISL service charges @ 18%	87,27,800.00
9.	Sum of RISL Service Charges and GST [Sub Total (B)]	5,72,15,578.00
Grand Total (A+B)		84,53,45,213.00
Say Rs. (in Lakh)		8453.45 Lakh

Fund Management:

Expenditure would be met from the funds managed by CTD.

Committee has given directions to the department that they must ensure the infrastructure required for the implementation of the project should not be kept idle.

The Committee accords technical approval on the proposal having estimated cost of Rs. 8453.45 Lakh.

4. Project : Revision of FMS for RTI Portal 2.0 (DoIT&C/ RISL)

RTI Portal is undergoing FMS through the work order placed to M/S Dev Information Technology Pvt. Ltd. through work order F 4.9(727)/RISL/Tech/2019/11708 dated 28/10/2020 which includes scope of "Study, Design, Development, Testing, Integration, and

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Implementation of Right to Information Portal- Version 2.0 (RTI-V2.0) for One Year and Operations & Maintenance Services for a period of Two Years" work of the Portal as per requirements raised by Rajasthan State Information Commission, User Depts. and Administrative Reforms Dept. (Nodal Dept. for RTI).

Earlier, RTI Portal was developed and implemented in following phases: -

Phase-I: (2012) - In 18th meeting of APEX committee dated 08.11.2012 a total amount of 43.68 lacs (Excluding all taxes) was approved by the SeMT committee for RTI Project. This phase covered development for end to end RTI Application and First Appeal Process.

Phase-II: (2013) - In 46th meeting of SeMT committee dated 08.10.2012 the SeMT committee accorded technical approval for cost revision from Rs. 43.68 lacs to Rs. 49.14 lacs (plus RISL charges and applicable taxes). This phase covered Development for end to end Second Appeal and complaint Process. It also included implementation of RTI Portals in Depts. of Government of Rajasthan

FMS for 2 yrs.: (2014) - In 50th meeting of SeMT committee dated 13.05.2014 the committee accorded technical approval for the additional fund requirement of Rs. 15 lacs (RISL service charges and other taxes extra) from backend budget head of DoIT&C. This phase covered enhancement of second appeals and complaints process as per requirements of Rajasthan Information Commission along with implementation of Application and Appeal Process in Depts.

FMS for 3 yrs.: (2017) - In 61st meeting of SeMT committee dated 14.07.2016 the committee accorded revised technical approval of the project with revised project cost estimated as Rs.139.59 lacs (plus RISL charges, Service taxes and other government taxes and levies as per actual payable to RISL) (Rs. 64.14 lacs of previous approved project cost + Rs. 75.45 lacs for FMS for next 3 yrs.). This phase included the maintenance work of the Portal as per requirements raised by RIC, User Depts. and AR Dept. (Nodal Dept. for RTI).

FMS for 3 yrs.: (2020) - In 79th SeMT meeting dated 27th February 2020 the committee accorded technical approval of the project with estimated project cost of Rs.126.00 lacs (excluding RISL service and applicable taxes). This phase includes Study, Design, Development, Testing, Integration and Implementation of Right to Information Portal - Version 2.0 (RTI-V2.0) for one year and operation and maintenance service for a period of two year.

Currently RTI Portal has been implemented in 275 No. of Depts. and the Rajasthan State Information Commission for online submission of RTI applications and processing through available workflow. The last date of completion of O&M period of portal is on 14-11-2023.

For the State-wide implementation of Portal, there is the requirement of continuous support to the user Depts. right from user data creation. Application enhancement in line with a user perspective, hands-on training, and helpdesk. Technology upgradation and Integration with e-sign, and Jan-Aadhaar will also be a requirement for future upgrades.

In view of the above-mentioned facts, there is a requirement for FMS support for further **three** (3) years through RISL for the project with following resources -

S.N.	Role	Nos.
1	Sr. Developer	2
2	Developer	2
3	Support Engineer	1

To cater to the requirement, FMS support is proposed for three years with a tentative 180-man month's efforts of technical assistance. As per the RISL administrative order F4.15 (02)/RISL/SER/2022/6137 dated 06-12-2022, manpower rates for following teams are as mentioned below -

S.N.	Role	Nos.	Rate per man month in INR	Deployment Months	Amount (excluding all taxes)
1	Sr. Developer	2	1,22,406.78	36	88,13,288.16

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2	Developer	2	1,00,000.00	36	72,00,000.00
3	Support Engineer	1	54,906.25	36	19,76,625.00
Total					1,79,89,913.16 ~1,79,89,913.00

The Total approx. cost of FMS for three years will be Rs 179.90 Lacs (excluding all taxes) with approximate cost of Rs. 59.97Lakh per year (excluding all taxes):

S. No.	Year	Cost (excluding all taxes)
1	Year One	59,96,637.72
2	Year Two	59,96,637.72
3	Year Three	59,96,637.72
Total		179,89,913.16 ~179,89,913.00

RTI Portal's project cost from development phase to previous SeMT approval (79th SeMT dated 04-02-2020) **is Rs. 265.59 Lakh** (plus RISL charges and applicable taxes) is duly approved by SeMT.

Project cost needs to be revised at the level of SeMT, from Rs 265.59 lacs (plus RISL charges and applicable taxes) **to Rs. 445.49 Lakh** (plus RISL charges and applicable taxes). The fund was provided through Budget head "Backend and New Projects". Hence, DoIT&C may fund the FMS out of Backend funds available with DoIT&C.

Financial Implication:

The revised estimated cost of project proposal is Rs. 445.49 Lakh (plus RISL charges and applicable taxes).

Fund Management:

Expenditure would be met from "Backend and New Projects" Budget head of DoIT&C.

The Committee directed to amend the manpower requirement as mentioned below:

S.N.	Role	No. of resources		
		1 st Year	2 nd Year	3 rd Year
1	Sr. Developer	2	1	1
2	Developer	2	2	0
3	Support Engineer	1	1	1

The Committee accords revised technical approval on the proposal while reducing the estimated cost in proportion accordingly.

5. Project : Network Equipment & LAN Infra under RajNET Project (DoIT&C/ RISL)

The "Network Equipment & LAN Infra under RajNET project (UBN no. **RIS2324GLOB00033**)" is presently under "procurement process-financial bid evaluation" phase. As the current contract will expire soon, there is an immediate need of finalizing procurement process for "Network Equipment & LAN Infra under RajNET project (UBN no. **RIS2324GLOB00033**)". Thus, SeMT was requested to accord technical approval. The existing provisions already approved by SeMT till date and the components seeking cost revisions are as mentioned under:

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(Rs. in Crore)

S. N.	Description	Previous SeMT Approval	Post Facto Approval required for	Additional Components	Total (C+D+E)	Reason for Cost Revision
A	B	C	D	E	F	G
1.	Network Hardware Equipment (Rack, Switch, UPS, Earthing, etc.) at various existing/new sites of RajNET project all over Rajasthan	48.00		20	68.00	Due to revision in estimated cost and specifications of the products. (In place of offline UPS, Online UPS with better specification shall require. Along with this, switches shall require with better security features.) Due to this estimated procurement cost may revise from 48Cr. to 68Cr. to fulfill these requirements.

The estimated cost of the project is Rs 68 Crore and is proposed to be booked under RajNET project budget head. The expenditure will be incurred in time span of 2 years. The details are as below:

S. N.	Project/ Connectivity / Item	Estimated Quantity	Estimated Expenditure Amount (In Lakhs)
1.	Network Equipment (Rack, Switch, UPS, Earthing, etc.) for New sites	3300	6800.00
Total			6800.00

Fund Management:

Expenditure would be met from RajNET project budget head.

The Committee accords revised technical approval on the proposal having estimated cost of Rs. 6800.00 Lakh; with the condition that proper migration plan with offices connected and offices which require online UPSs' may be given priority in the migration plan and shifting of existing UPS to other location where no online UPS required.

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6. Project : Proposal for providing AMC of the Dense wavelength-division multiplexing (DWDM) at various locations across Rajasthan State (DoIT&C/ RISL)

RISL require new rate contract due to following reasons:

1. A work order ref. no. F4.6(235)/RISL/Tech/2017/8073 dated 14.12.2017 issued to M/s SISL Infotech Pvt. Ltd.(L1 bidder) for the project **"Supply, Installation and Maintenance of the DWDM at various locations at Rajasthan State"** under RajNET. As per work order, the firm has supplied all Hardware and Manpower of 2 persons is currently deployed at NOC of P3-RSDC. Go-Live of the solution was issued to firm from 01.10.2018 vide letter ref. no. F4.6(235)/RISL/Tech/2017/6564 dated 26.10.18. The project is going to complete on 30.09.2023 and maintenance service is also ending on the same date.

2. Following Devices are installed on various locations:

SN	Item	Quantity	Locations
1.	DWDM Type -I (1+1)	4	RSDC, Heerapura, Mertacity, Bhilwara
2.	DWDM Type -II	6	Kota, Bikaner, Jodhpur, Beawar, Chittorgarh, Udaipur
3.	RSDC Jaipur, RSDC Jodhpur	1+1	Jaipur, Jodhpur
4.	Smart Rack	10	All Locations

3. Since RVPNL is in process for complete go Live of the system, which may integrate with RISL network to provide Division to District level 10G connectivity. Till then, we may renew services of AMC & Manpower for 5 years as per following BoM items. **Product warranty and AMC will be renewed on Yearly basis.** The services would be terminated whenever RVPNL system will be available and we receive permission to use the system.

SoW:

SN	Item	Quantity	Locations
1.	DWDM Type -I (1+1)	4	RSDC, Heerapura, Mertacity, Bhilwara
2.	DWDM Type -II	6	Kota, Bikaner, Jodhpur, Beawar, Chittorgarh, Udaipur
3.	NMS (1+1)	1	Jaipur, Jodhpur
4.	Smart Rack	10	-
5.	Split AC	9	
6.	Technical Resource	2	Jaipur

Financial Implication:

SN	Project/ Connectivity / Item	Estimated Quantity / Links	Estimated Expenditure Amount (In Cr.)
1.	AMC of DWDM network equipment (DWDM Type -I (1+1), DWDM Type -II, NMS (1+1), Smart Rack, Split AC, Technical Resource, etc.)	As mentioned in above SoW	6.00
Total			6.00

Fund Management:

Expenditure would be met from RajNET project Budget Head.

The Committee directed that the services be renewed for one year only of AMC & Manpower.

The Committee accords technical approval on the proposal having estimated cost of Rs. 600.00 Lakh.

7. Project : Design, Development and implementation of Integrated Health Management System (iHMS 2.0) (DoIT&C/ RISL)

Integrated Health Management System (IHMS) Project was started in 2017 under compliance of Budget announcement FY- 2017-18. The existing IHMS application modules have on boarded approximately 1000+ Govt. Hospitals/ Medical institutes across Rajasthan (including the largest health facility in state, i.e., SMS Hospital, Jaipur) and Approx. 3.5 lakhs OPD/ IPD/ Emergency registrations are done on daily basis.

Emphasis of government is on providing maximum services to citizen with minimum efforts. So the aim is to provide better quality in more services to citizen and healthcare providers with a provision of continuous add-ons.

In compliance of the Budget Announcement of year 2023-24, we have been assigned task of development and implementation of new version (IHMS 2.0) of IHMS application with enhanced features, functions & capabilities. IHMS 2.0 is envisaged with latest technologies with Micro Service Architecture, high efficiency and capability to cater high amount of patient's records and hospital users' i. e doctors, nursing staff, drug distributors, frontend users etc.

In this regard, RISL issued a Work Order No. F4.2 (611)/RISL/Tech/2023/1548 dated 05.06.2023 for deployment of manpower (5 consultants) from Ernst & Young LLP through NICSII empanelled firm for setting up of PMU at RISL under IHMS 2.0 project. After detail study of latest high-end technologies, scope of work, number of users in IHMS application, etc. E&Y team has submitted draft of RFP for IHMS 2.0 for selection of appropriate technology partner for development and implementation of application till CHC level.

A meeting of Procurement Committee PC-III was held under the Chairmanship of Managing Director, RISL in his Chamber on 26th July 2023, at 01:00pm to discuss and finalize draft RFP document "Implementation of Integrated Health Management System 2.0 (iHMS 2.0) for the State of Rajasthan" in which Draft RFP was principally approved and committee was directed to take the post facto approval from upcoming SeMT for IHMS2.0.

Scope of work for IHMS 2.0:

1. **Hospital Information System** - The Hospital Information system solution comprises of approx. 30+ modules required for providing healthcare delivery functionality for healthcare facilities. IHMS 2.0 is to be built using micro services architecture. Key features include Clinical Document Repository, License Management, Block chain, Micro services architecture, etc.
2. **College Management System** -The college management system solution comprises of College Management, Course Management, Student Management, Faculty Management, Digital Library, Hostel Management, and Research Management Systems.
3. **Centralized VNA-PACS** - A centralized VNA-PACS (Vendor Neutral Archive-Picture Archiving and Communication System) system is envisaged to store the medical images generated in Imaging Services (Radiology, Cardiology, Neurology, etc.) in a central repository so that any healthcare facility in the state can access the imaging studies using unique identified of patient.
4. **Other Applications** - This section include costs associated with system applications like Content Management System, Document Management System, Queue management, etc.
5. **Integration** -This section includes costs associated with development of Web API services, HL7 Integration server with FHIR Profiles, integration with Laboratory machines, IoT devices, Tele ICU, Telecommunication, etc. Additionally, applications

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such as RGHS, Chiranjeevi, PCTS, other NHM applications to be seamlessly integrated with IHMS 2.0.

6. **Data Migration** - Data migration is required as part of transition from existing IHMS to IHMS2.0.
7. **Training** - Training will be imparted to trainers and end-users as per requirement for the successful adoption of IHMS 2.0.

Stakeholders of the project are as listed below:

1. Dept. of IT&C
2. RajCOMP Info Services Ltd.
3. Medical Education Dept.
4. Medical Health & Family Welfare Dept.
5. National Health Mission
6. SMS Medical College and SMS Hospital, Jaipur

Estimated Financial Implication:

(Rs. in Crore)			
S N	Component	Capital Expense (2 years)	Operational Expense (3 Years)
1	Hospital Information System	10.41	3.44
2	College Management System	1.05	0.35
3	Centralized VNA-PACS	8.00	2.65
4	Other Applications	1.30	0.43
5	Integration	4.73	0.57
6	Data Migration	1.50	0.00
7	Training	0.56	0.00
8	Total Estimated Costs (In INR Cr)	27.55	7.44
9	Total Estimated Cost (In INR Cr)		34.99
	RISL Service charges@6%at Point No. 9		2.09
	Grand Total Estimated Cost		37.08

Fund Management:

Expenditure would be met as per direction of Finance Dept.

The Committee accords technical approval on the proposal having estimated cost of Rs. 3708.00 Lakh.

8. Project : Extension of iHMS 1.0 for one year and additional one year (DoIT&C/ RISL)

Integrated Health Management System (IHMS) Project was started in 2017 under compliance of Hon'ble CM Budget announcement FY- 2017-18. It is centralized unified web based solution that caters to all health services of Govt. Hospitals and generate EHR for patients across the State.

After floating RFP in 2017 with Open competitive bid process, Work Order No. F4.2 (266)/RISL/Tech/2016/5306 dated 20.09.2017 was awarded to M/s E-Connect Solutions Pvt. Ltd. for the project "Implementation of Integrated Health Management System (IHMS) with Telemedicine for the State of Rajasthan".

Thereon, an additional work order no. F4.2 (266)/RISL/Tech/2016/6205 dated 09.12.2022 was awarded to M/s E-Connect Solutions Pvt. Ltd. as per Rule 73 of RTPP Rules, 2013 for deployment of 24 Developers & Module Champions and 9 Subject Matter Experts under IHMS project for "The capacity enhancement for roll-out of IHMS application at SMS College & attached Hospital including basic Integration with Chiranjeevi, RGHS, E-Aushadhi etc."

In compliance of the Hon'ble Chief Minister's Budget Announcement FY 2023-24, Design, development and implementation of new version (IHMS 2.0) of IHMS application is to be done with enhanced features, functionalities & capabilities. For IHMS 2.0, RFP preparation is under process.

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Therefore, existing IHMS application needs to be continued till IHMS 2.0 will take over the existing IHMS project with the following work of scope:

1. IHMS Application Support & Maintenance (FMS) for 1 + 1 year:

Team ensures smooth function of IHMS application by supporting the Public Health facilities with IHMS application, imparting training to new users, providing solution or technical issues, validating the existing and new flow modifications, data migration, any type of integration, categorize the issues and forward them to the development team, maintaining coordination between stakeholders, and last not the least knowledge transfer etc. The extension period of FMS services will be One year which may be further extended for the period of One year if required (As and when IHMS application successfully integrated and migrated to IHMS 2.0. and officially Go-live.)

2. Manpower Services for IHMS Implementation (At SMS Hospital & Public Health facilities) across the state for 1 + 1 years:

During implementation of the application in SMS Hospital, Jaipur a team of 12 module champions (persons having thorough knowledge of the application and health domain - both technically and functionally) and 12 developers was deployed. They have to interact with SMS Hospital medical professionals and paramedics for revamping part of IHMS application through requirement gathering, documentation, User Acceptance Testing, production deployment and imparting training (as per requirement). Immediate and urgent changes are incorporated in the application for smooth functioning of Hospital. Module Champions and Developers are instructed to implement the pending modules such as Bio Medical Waste, RMRS, Operation Theater, CSSD, etc. Also for smooth functioning of the hospital continuous changes are requested to already implement modules like In Patient, OPD doctor desk, etc.

Now most of the development part has already been taken upend IHMS application has gone live at SMS hospital with earlier deployed resources 33(24 Developer/Module champions and 9 SME's). Therefore, replication/implementation of the modules in remaining Depts. of SMS hospital and in public health facilities is only required which leads to requirement of extension of manpower services.

As per current requirement, only 18 (Developer cum Module Champion cum SME's) need to be deployed as per following table. Deployment of resources may be decentralized (as per requirement like zone/division/district wise to get smooth and successful IHMS implementation across public health facilities.

The extension period of above manpower services will be one year which may be further extended for another one year, if required.

***Estimated financial implication for extension of FMS & Manpower for IHMS:**

(Rs. in Lakh)

Item Description	Qty.	Duration in months	Proposed Amount (incl. of incidental charges and taxes but excl. GST)
Team Lead & Project Manager	1	12+ 12 (extendable)	360.92
Senior Developers	3		
Developers	6		
Database Administrator	1		
Business Analyst	1		
QA and Testing	1		
Helpdesk Executives	12		
Developer cum Module Champion cum SME for SMS Hospital/ Public health facilities across state.	18	12 + 12 (extendable)	685.71
Sub total			1046.63
Approx. RISL Charges (@6%)			62.79
Contingency charge (@3%)			31.39
Approx. Total			1140.06

**Note- Manpower rates as per RISL Work Order No. F4.2 (266)/RISL/Tech/2016/5306 dated 20.09.2017 & RISL Additional work order no. F4.2 (266)/RISL/Tech/2016/6205 dated 09.12.2022 including inflation rate of 10%.*

Proposal cost of procurement for extension of FMS (Support & Maintenance) and 18 resources (Developers/Module Champions/SME) would be around Rs. 11.40 Crore.

The existing IHMS application modules has on boarded approximately 1000+ Govt. Hospitals/ Medical institutes across Rajasthan (including the largest health facility in state, i.e., SMS Hospital, Jaipur). There are total 26 modules in IHMS application out of which 15 modules are live in SMS Hospital. The application is vast & complex and minor changes impacts various components of the application as approx. 3.5 lakhs OPD/ IPD/ Emergency registrations are done on daily basis. Thus, a sound understanding of application and application framework is required for maintenance & support services (including modification and enhancement in the application). Considering the same and keeping in view the complexity involved and for continuity of work to cater new requirements and maintenance works, the SMS manpower services and FMS services may be obtained from M/s E-Connect Solutions Pvt. Ltd. through single bid from M/s E-Connect Solutions Pvt. Ltd.

Decision on Extension of above FMS & manpower services through Single Source Procurement for duration of 1 year has been approved in PC-III meeting held on 21-07-2023.

As now, RFP preparation for IHMS 2.0 is under process and will take time to complete the RFP process, issuance of work order and initial phases of implementation of IHMS 2.0, and Existing FMS service was expired on 15th august 2023. Therefore, Post facto approval on the Extension of Support & Maintenance and Manpower services is required for duration of 1 year and extendable for one year.

Fund management:

Expenditure would be met from the funds available in "Backend & New Projects" Budget Head of DoIT&C.

The committee had the following observations on the proposal for **"Extension of iHMS 1.0 for one year and additional one year"**:

1. Committee directed for extension for a period of One (1) year only as in mean while IHMS 2.0 would take place.
2. New software development should be minimized and kept only for most urgent and immediate requests as all new requirements would be taken care of in IHMS 2.0.

The Committee accords technical approval on the proposal after having reduced the estimated cost as per one (1) year only as Committee was of the view that in mean time iHMS 2.0 would take place.

**9. Project : Extension of expert manpower services (Manager Data Analysis)
(Medical Dept./ RSHAA)**

RSHAA has successfully developed an analytical and fraud trigger dashboard, providing valuable insights into the scheme's progress. This includes trends in claim bookings and processing, identification of outliers and triggers. These insights are crucial for monitoring day-to-day and overall progress for stakeholders.

The development of the dashboard utilized SAS BI tool and SFF, with hardware and related software provided by the State Data Center (SDC). In addition, the services of three expert professionals were procured from RISL through work order F4.3 (487)/RISL/Tech/2022/448, effective from 19-Apr-2022, for a duration of 12 months.

Given the evolving requirements, the existing dashboard necessitates modifications to existing reports, integration of new reports, and support for scheduled maintenance, migrations, and server health monitoring.

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Consequently, RSHAA's IT division is proposing the engagement of two expert professionals from RISL to fulfill these specific needs.

(Amount in Rs.)

SNo	Manpower Category	Profile/Domain	Qty.	Duration in Months	Estimated Cost(Excl. GST)
1	Data Analytics Sr. Developer	Technical Profile	01	12	33,98,400.00
2	Data Analytics Developer	Technical Profile	01	12	31,15,200.00
Total					65,13,600.00

Fund Management:

Expenditure would be met from the funds managed by RSHAA.

The Committee is of the view that Rajasthan Government Health Scheme (RGHS) and Chiranjeevi Scheme should be merged and therefore a separate proposal on file by 1st week of October 2023 may be submitted with the concept suggested by the Committee for technical and financial approval.

10. Project : Appointment of Utility Support Unit (USU) for Rajasthan Discoms from empanelled agencies of NICS-IOI for one (1 year duration) (Energy Dept.)

To develop the advanced analytics capabilities using data silos of various IT Projects and looking to the requirement of intra Dept.al synergy and creation of centralized data repository and implementation of various IT/OT projects of RDSS, the DCF accorded its in-principle approval for appointment of Utility Support Unit ("USU") for Rajasthan Discoms from empanelled agencies of NICS-IOI

The scope of work and requirement of the utility experts for Utility Support Unit ("USU") is to work on Digital Transformation Roadmap and to provide support in the process of tendering, implementation & execution works of all undergoing and upcoming IT/OT projects under RDSS.

The name of various IT/OT projects under RDSS are as under: -

- RMS (Revenue Management System).
- ERP.
- Cyber Security and implementation of security measures.
- Roaster Management & Load forecasting System for AG-Supply
- Power Transformer Tracking and Health Monitoring System.
- Business intelligence, Data Analytics and Data Warehousing Software.
- GIS, Network Analysis & Asset Management Network System & Enterprise Management System (EMS).

The Central team and DISCOM level team for Utility Support Unit (USU) shown as under: -

Particulars	Criteria	Count of Resources
Centralized Team (Jaipur)		7
Project Manager	Consultant with 10-15 Years (Management Profile)	1
Solution Architect	Consultant with 6-10 Years (Technology Profile)	1
Subject Matter Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility RMS Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility ERP Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility GIS & Asset Mapping	Consultant with 6-10 Years (Technology Profile)	1

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Utility Analytic & BI Expert	Consultant with 6-10 Years (Technology Profile)	1
DISCOM-JVVNL (Jaipur)		3
Subject Matter Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1
Utility IT/OT Expert	Consultant with 3-6 Years (Technology Profile)	1
DISCOM - AVVNL (Ajmer)		3
Subject Matter Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1
Utility IT/OT Expert	Consultant with 3-6 Years (Technology Profile)	1
DISCOM - JDVVNL (Jodhpur)		3
Subject Matter Expert	Consultant with 6-10 Years (Technology Profile)	1
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1
Utility IT/OT Expert	Consultant with 3-6 Years (Technology Profile)	1

Further, the Hon'ble Chief Minister, GoR made Budget Announcement for the year 2023-24 for creation of New IT-Company for 5 Power Sector Companies. After formulation of new IT Company, this centralized team of USU will be associated with new IT Company.

Deployment of resources of Central team and Discom level team in respect of New IT Company for their associated position is as under:

Particulars	Criteria	Count of Resources	Associated position for New IT Company
Centralized Team (Jaipur)		7	
Project Manager	Consultant with 10-15 Years (Management Profile)	1	SE(IT)
Solution Architect	Consultant with 6-10 Years (Technology Profile)	1	XEN(IT)
Subject Matter Expert		1	XEN(IT)
Utility RMS Expert		1	XEN(IT)
Utility ERP Expert		1	XEN(IT)
Utility GIS & Asset Mapping		1	XEN(IT)
Utility Analytic & BI Expert		1	XEN(IT)
DISCOM-JVVNL (Jaipur)		3	
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1	AEN(IT)
Utility IT/OT Expert		1	AEN(IT)
DISCOM - AVVNL (Ajmer)		3	
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1	AEN(IT)
Utility IT/OT Expert		1	AEN(IT)
DISCOM - JDVVNL (Jodhpur)		3	
Utility ERP Expert	Consultant with 3-6 Years (Technology Profile)	1	AEN(IT)
Utility IT/OT Expert		1	AEN(IT)

Remaining 3 Nos. of Subject Matter Experts (SMEs) (One for each Discom) having criteria of 6-10 Years (Technology Profile) may be deployed in due course as per the requirement of IT Projects.

Financial Implication:

The estimated cost of the project proposal "Appointment of Utility Support Unit (USU) for Rajasthan Discoms from empanelled agencies of NICS-IOI" is Rs. 678.23 Lakh for 1 year (i.e. 12 Months) for 3 Discoms for 16 nos. of resources/ manpower and for deployment of resources of Central team and Discom level team for associated position in New IT Company.

Fund Management:

Expenditure would be met from the funds of Discoms/ Energy Dept.

The Committee accords technical approval on the proposal having estimated cost of Rs. 678.23 Lakh.

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11. Project : "Design, Development and Implementation of Web and Mobile Application for GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS)" under Revamped Distribution Sector scheme (RDSS) for all three Discoms-(i.e. AVVNL, JVVNL, JdVVNL).

The Government of India has launched the Revamped Distribution Sector Scheme (RDSS) to help DISCOMs improve their operational efficiencies and financial sustainability by providing result-linked financial assistance to DISCOMS to strengthen supply infrastructure based on meeting pre-qualifying criteria and achieving basic minimum benchmarks. REC and PFC have been nominated as nodal agencies for facilitating the implementation of the scheme.

The Action plan and DPR for all three Rajasthan Discoms were approved on dated 28.03.2022 under RDSS. As per the RDSS Scheme approval, under IT/OT enablement (Infrastructure Works - Loss Reduction), the work of implementation of GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS) has been sanctioned for each Discom. The sanctioned cost details of above said activities are as given below:

(Rs. in Crore)

S. N.	IT/ OT Activity	Sanctioned Cost			
		AVVNL	JVVNL	JdVVNL	Total
1	(a) GIS, Network Analysis & Asset Management	S/W-10 H/W-5	S/W-40 H/W-10	S/W-10 H/W-5	S/W-60 H/W-20
	(b) Network Management System (NMS) & Enterprise Management System				
	Total (Rs. in Cr.)	15.00	50.00	15.00	80.00

In the 77th DCF meeting held on dated 02.08.2022, it has been decided that (Point No. 77.07), Ajmer Discom shall be the nodal agency for GIS, Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS) and shall float this tender for all three Discoms.

Looking to the requirement in all three Discoms, Single NIT is to be floated for all three Discoms of Rajasthan for a contract period of Seven (7) years (2 years of implementation and 5 years of Operation & Maintenance), so that GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS) solution is deployed across the State. The proposed solution shall have OPEX component for providing same as per the approved DPRS for JVVNL, AVVNL and JdVVNL.

In the review Meeting on IT issues of three Discoms held on 25.03.2023, it was directed that the Tender shall be floated jointly for survey and application software part.

After discussions with REC authorities that none of nodal agency prepared the SBD for the same. AVVNL has prepared the RFP as per latest practices and provisions, directions/ guidelines/ suggestions on GIS related works available in SRS & RFP for R- APDRP, references from earlier available documents of MPPVVCL, UPPCL, etc., discussions with REC, various presentations, field requirements, various discussions with committee of officers of AVVNL, JVVNL & JdVVNL authorities in the tender specification; however, Application Hosting will be done on State Data Centre (BSDC)/Disaster Recovery Centre, DoIT&C, Govt. of Rajasthan as Cloud as per the State Govt. mandate.

Contextually, discussions regarding RajDhara Survey App' developed by DOIT&C for other Govt. Depts. of Rajasthan State were also held with the concerned DOIT&C authorities on 14.09.2023 at DoIT&C, Jaipur and they have suggested the following:

- As DOIT&C, GoR has already developed their GIS Platform for whole Rajasthan State and is also ready to provide their latest updated GIS Platform (Arc GIS of ESRI), Base Maps, Imageries & all related Licenses to Discoms, free of cost; the same should be utilized for developing Rajasthan Discoms GIS applications and related works.

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- ii. Looking to the vast & diversified requirements of Discoms, the tender may be floated for GIS software/ application and GIS Survey jointly with provision of utilization of DOIT&C GIS Platform (Arc GIS of ESRI), Base Maps, Imageries & all related Licenses.

The Departmental PeMT in its meeting held on dated 14.09.2023 discussed the points contained in the agenda and recommended the following for approval –

- Since DOIT&C, GOR has offered to provide their latest updated GIS Platform (Arc GIS of ESRI), Base Maps, Imageries & all related Licenses (for whole Rajasthan State) to Discoms, free of cost; hence, the same be utilized for developing Rajasthan Discoms GIS applications and related works. In case, if ESRI or other agencies demand from DOIT&C, any cost against additional services asked by Rajasthan Discoms, the Discoms will reimburse the same to the DOIT&C.
- The tender be floated for GIS software/ application and GIS Survey jointly - "Design, Development and Implementation of Web and Mobile Application for GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS)" under Revamped Distribution Sector scheme (RDSS) for all three Discoms (i.e. AVVNL, JVVNL, JdVVNL) with provision of utilization of DOIT&C GIS Platform (Arc GIS of ESRI), Base Maps, Imageries & all related Licenses (for whole Rajasthan State).
- Looking to the vast & diversified requirements of Discoms and utilization of DOIT&C GIS Platform (Arc GIS of ESRI), Base Maps, Imageries & all related Licenses (for whole Rajasthan State), the BESPOKE solution be adopted for this work.

Financial Implication:

The estimated cost of the project proposal of "Design, Development and Implementation of Web and Mobile Application for GIS based Asset Management, Network Analysis, Network Management System (NMS) and Enterprise Management System (EMS)" under Revamped Distribution Sector scheme (RDSS) for all three Discoms (i.e. AVVNL, JVVNL, JdVVNL) is Rs. 80.00 Crore (Rs. 48.00 Cr. sanctioned grant under RDSS with GBS @ 60%).

Fund Management:

Expenditure would be met from the funds of Discoms/ Energy Dept.

The Committee suggested/ directed DISCOM –

- To find-out possibilities for survey activities through existing field resources available in DISCOMs for which additional remunerations/ incentives may be provided to them in accordance to the RTPP Act/ Rules.
- DISCOM may outsource the web application / dashboard development work.
- DISCOM may choose to adapt existing RajDharaa Survey app or new unified mobile app may be developed meeting the requirements of DISCOMs.
- DISCOM should use RajDharaa platform for hosting their GIS based applications as well as all spatial & related data.

The Committee accords technical approval on the proposal having estimated cost of Rs. 8000.00 Lakh with the condition that proper costing analysis would be made and with respect to GIS based management and the DoIT&C-GIS platform to be used with proper analysis.

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12. Project : **Computerization of Primary Agriculture Credit Societies in the State of Rajasthan**

As per the Hon'ble CM budget declaration 180 the Cooperative Department, Government of Rajasthan envisions carrying out computerization of all PACS in Rajasthan for smooth transition from manual record keeping to computerized software, thereby reducing redundancies and duplicity and thus making the functioning and monitoring of PACS easier and more accountable. Ministry of Cooperation, Government of India has also mandated computerization of PACS under central sponsored scheme.

Scope of Work:

The scope of the project is Computerization of 7282 Primary Agriculture Credit Cooperative Societies (PACS) in Rajasthan. The project guidelines are issued by the Cooperative Department, Government of India.

- One common ERP software will be provided to all the PACS in the project, across the country, to capture data on all functionalities of PACS, both credit and non-credit. This software would be customizable for state specific needs. At the national level, NABARD will engage a vendor namely National Level PACS Software Vendor (NLPSV) to provide the common software including cyber security and data storage through open bidding as per the relevant procurement guidelines.
- NABARD will prepare and publish a central panel of System Integrators (SIs) through open bidding. States are to select the SIs from this central panel with a ceiling on number of PACS that one SI can take up.
- SIs will prepare legacy data, digitize and port this data into software, recommend state specific customization required in the common software and provide the support system. In the project, there will also be a provision to run the software on offline mode and later upload the data in the system in case of network issue.
- PACS which have not been computerized by states will be taken up under this project at full cost.
- For sustainability of the project, maintenance and handholding of the software and hardware is considered critical. For this purpose, the Project envisages a support system by setting up one support center on an average at cluster of around 200 PACS/ District Level. These support centers, to be set up by the System Integrator(s), will report to State PMUS which will also serve as State level support center. This entire support system will be under the overall supervision and control of the State Governments and will be operated by the concerned SI.
- The basic responsibility of training on use of software will lie with NLPSV. NLPSV will provide necessary inputs to state level SIs and National Level Training Institutions to facilitate creation of trainers at National and State Level. The trainers will be drawn from all training institutions in cooperative sector. After migration to the software, employee(s) of the PACS will be given adequate trainings about functioning of the software and how to work on it. Hands on training will be given through National Council for Cooperative Training (NCCT) institutions and Scheme of Financial Assistance for Training of Cooperative Banks Personnel (SOFTCOB) assisted Institutions like Agricultural Cooperative Staff Training Institutes (ACSTIs) and other Cooperative Training Institutes under the administrative control of State Government. Expenditure on this account will be shared by GoI and NABARD. A training calendar will be prepared by NABARD mapping every PACS under the project.
- For implementation and monitoring of the project, creation of a core team at NABARD, Head Office with the team members constituted from its officers has been envisaged. This core team will be assisted by Project Monitoring Unit (PMU) hired by NABARD for the project. NABARD may hire staff/ professional or technical experts for the PMU on

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contractual basis. Similarly, NABARD will set up state PMUS to assist states in implementation and monitoring of the project at state level, which will also function as the state level support centers. These State PMUS will also be manned by NABARD officials and contractual staff/ experts.

Deliverables of the Project:

- Transparent and Complete accounting System Accounting as per CAS (Common Accounting System) & MIS (Management Information System) prescribed by NABARD -
 - Origination of accounts on the basis of the member transactions and automation of all the businesses, their business processes and associated calculations for all financial transactions. In an ideal automated accounting system, every single entry, based on transaction of any nature, shall:
 1. Enable automatic posting and recording in all relevant heads of accounts.
 2. Be in conformity with all pre-sets like rate of interest, period (including days) of interest applicability, etc.,
 3. Appropriate amounts to various heads of accounts as per the prescribed priorities.
 4. Generate of accurate NPA, Interest subvention statements covering the State and Central components and other important & relevant disclosure statements.
- Governance
 1. Alerts on the conduct of Board Meetings and General Body meetings.
 2. Prompting on Agenda preparation.
 3. Record Keeping of Board & General Body Meeting proceedings.
 4. Real time information flow and access to all stakeholders
- Enablement
 1. Optimal use of Infrastructure - currently substantial warehouse capacities are being created under Atmanirbhar Bharat program.
 2. Market connectivity - access to the agri-produce information of members can facilitate the institution for procurement, processing and marketing thereof resulting in better price realization to farmers.
 3. Providing multiple financial and non-financial products, citizen services etc.

State Government e Governance objectives:

- a. The ERP solution shall integrate seamlessly with the State Government IT Architecture, Framework & portfolio, new initiatives, portals, apps and services etc.
- b. SSO enablement of the offered solution under State Government services umbrella
- c. Integration with Jan Aadhaar, RajSewadwar, e-Vault, DBT, EsignMaandate, APIs, KCC, MNREGA, e-KYC, AePS, etc. services.
- d. Perpetual availability of the software & services
- e. API plugins with the State Government to disburse the benefits of the State Government beneficiaries schemes to farmers, artisans, MNREGA, etc.
- f. MIS for generation of the customized information to enable the State Government formulate policies for the State Government schemes
- g. Any changes, interfaces, modules, MIS etc. as directed by the State Government shall be undertaken in a defined timeframe.
- h. Well defined CR process to incorporate changes directed by the State Government

Hardware requirements and indicative Technical Specification proposed by Cooperative Department per PACS (As per NABARD guidelines):

SN	Item	Quantity per PACS (in Nos.)
1	Desktop - Latest Generation processor with Minimum 6 Cores, 3.5 GHz base clock, 8 GB DDR4 RAM, 512 GB PCIe NVMe TM SSD, 15" or higher monitor, Web Cam Wired Keyboard, Wired Mouse, Windows 11 Professional 64 bit, 3 Yrs Onsite warranty + 2 Years Comprehensive AMC	1

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2	Multi-Function Laser Printer (Print, Copy Scan), Duplex printing, 8000 pages duty cycle, 20 ppm print speed with 3 Yrs. Onsite warranty + 2 years Comprehensive AMC	1
3	Physical VPN device, Routing Protocols - Industrial standard routing protocols with 3 Yrs. Onsite warranty + 2 years Comprehensive AMC	1
4	Biometric Scanner for e-KYC, AePS with 3 Yrs. Onsite warranty + 2 years Comprehensive AMC	1
5	UPS with 3 hours backup, 3 years Onsite warranty + 2 years Comprehensive AMC	1

Financial Implication and Fund Management:

(Amount in Rs.)

SN	Item	Amount Per PACS	Total Units	Total Cost for 7282 PACS
1	A comprehensive ERP solution covering Membership, financial services deposits; lending including ST. MT and LT, procurement, processing units, PDS, Business planning. Warehousing, merchandising, borrowings, asset management, human resource management, RuPay KCC integrations, etc. with cyber security and data storage facility.	72,103	7282	52,50,54,046.00 (To be borne by GoI, NABAD)
2	Training	10,198	7282	7,42,61,836.00 (To be borne by GoI, NABAD)
3	Hardware Computer, Multi- functional Devices (MFD), UPS, webcam, bio-metric scanner, VPN router including 3 warranty & 2 years AMC	1,32,939	7282	96,80,61,798.00 (GoI:GoR::60:40)
4	Implementation Services including data preparation, digitization, verification till final reconciliation and porting into the ERP solution for Operationalization Maintenance and Handholding	1,77,402	7282	1,29,18,41,364.00 (GoI:GoR::60:40)
	Total	3,92,642		2,85,92,19,044.00
	Say Rs.			28592.19 Lakh

The Committee accords technical approval on the proposal having estimated cost of Rs. 28592.19 Lakh with the condition that:

- The ERP solution shall integrate seamlessly with the State Government IT Architecture, Framework & portfolio, new initiatives, portals, apps and services etc.
- SSO enablement of the offered solution under State Government services umbrella
- Integration with Jan Aadhaar, RajSewadwar, e-Vault, DBT, e-SignMandate, APIs, KCC, MNREGA, e-KYC, AePS, etc. services.
- Perpetual availability of the software & services
- API plugins with the State Government to disburse the benefits of the State Government beneficiaries schemes to farmers, artisans, MNREGA, etc.

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- MIS for generation of the customized information to enable the State Government to formulate policies for the State Government schemes
- Any changes, interfaces, modules, MIS etc. as directed by the State Government shall be undertaken in a defined timeframe.
- Well defined CR process to incorporate changes directed by the State Government

Meeting ended with a vote of thanks to the Chair.

This bears the approval from competent authority.


(Inderjeet Singh)
Commissioner &
Special Secretary, IT&C

Copy for information and necessary action to:

1. PS to Addl. Chief Secretary, Medical & Health Dept., Rajasthan, Jaipur
2. PS to Chairman, Board of Revenue, Rajasthan, Ajmer
3. PS to Addl. Chief Secretary, Finance Dept., Rajasthan, Jaipur
4. PS to Addl. Chief Secretary, Revenue Dept., Rajasthan, Jaipur
5. PS to Principal Secretary, Cooperative Dept., Rajasthan, Jaipur
6. PS to Principal Secretary, Energy Dept., Rajasthan, Jaipur
7. PS to Principal Secretary, Planning Dept., Rajasthan, Jaipur
8. PS to Commissioner, Commercial Taxes Dept., Rajasthan, Jaipur
9. PS to Secretary, Dept. of IT&C, Rajasthan, Jaipur
10. PS to CEO, Rajasthan State Assurance Agency, Rajasthan, Jaipur
11. PS to Commissioner & Special Secretary, Dept. of IT&C, Rajasthan, Jaipur
12. PS to Registrar, Cooperative Dept., Rajasthan, Jaipur
13. PA to Addl. Commissioner, VAT & IT, Commercial Taxes Dept., Rajasthan, Jaipur
14. PA to Joint CEO, Rajasthan State Assurance Agency, Rajasthan, Jaipur
15. PS to Joint Secretary, Finance (Taxation) Dept., Rajasthan, Jaipur
16. PA to Joint Secretary, Finance (Expenditure-III) Dept., Raj., Jaipur
17. PA to Joint Secretary, Finance (Insurance) Dept., Rajasthan, Jaipur
18. PA to MD, The Rajasthan State Co-Operative Bank Ltd., Jaipur
19. PA to Director (Technical), RajCOMP Info Services Limited, Jaipur
20. Shri R. Vardarajan, Technical Director, Dept. of IT&C, Jaipur
21. Shri Akhilesh Mittal, Technical Director, Dept. of IT&C, Jaipur
22. PS to DDG & SIO, NIC, Rajasthan, Jaipur
23. Shri Ajay Sharma, Addl. Director, Commercial Taxes Dept., Jaipur
24. Ms. Sonia Chaturvedi, Addl. Director, Dept. of IT&C, Jaipur
25. Shri C.P. Singh, General Manager (Technical), RISL, Jaipur
26. PA to Addl. Chief Engineer (M&P-IT), JVVNL, Jaipur
27. Shri A.K. Tyagi, Superintending Engineer (IT), JVVNL, Jaipur
28. Smt. Poonam Choudhary, Chief Accounts Officer, Dept. of IT&C, Jaipur
29. Shri Suneel Bansal, Project Director (MCDDBY), SI&PF Dept., Jaipur
30. Director, LNMIIT, Jaipur


(Akhilesh Mittal)
Technical Director

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Annexure-"A"

97th Meeting of SeMT held on 25-09-2023 - List of Attendees

S.N.	Name of officer	Designation
1.	Shri Akhil Arora	Addl. Chief Secretary, Finance Dept./ Dept. of IT&C
2.	Shri Bhaskar A. Sawant	Principal Secretary, Energy Dept.
3.	Smt. Anandhi	Secretary, Dept. of IT&C (through VC)
4.	Smt. Suchi Tyagi	CEO, Rajasthan State Health Assurance Agency
5.	Shri Jitendra Soni	Mission Director, National Health Mission
6.	Shri Inderjeet Singh	Commissioner & Joint Secretary, IT&C
7.	Shri Meghraj Singh Ratnoo	Registrar, Cooperative Department
8.	Shri Utsah Chaudhary	Addl. Comm. (VAT&IT), Commercial Taxes Dept.
9.	Shri H.K. Juneja	Joint Secretary (Exp. -III), Finance Dept.
10.	Shri Dhan Lal Sherawat	Joint Secretary, Finance (Insurance) Dept., Jaipur
11.	Shri Mohamed Abubakr	Joint Secretary, Cooperative Dept., Secretariat, Jaipur
12.	Shri Bhoma Ram	Managing Director, Apex Bank/ Rajasthan State Cooperative Bank Ltd.
13.	Smt. Priya Bhargava	Additional Registrar, Board of Revenue, Ajmer
14.	Shri R. Vardarajan	Technical Director, Dept. of IT&C
15.	Shri Akhilesh Mittal	Technical Director, Dept. of IT&C
16.	Shri Ajay Sharma	Addl. Director (IT), Commercial Taxes Dept.
17.	Ms. Sonia Chaturvedi	Addl. Director, Dept. of IT&C, Jaipur
18.	Shri Shailendra Krishnatri	Addl. Director, Dept. of IT&C, Jaipur
19.	Shri Naresh Gupta	Additional SIO, NIC, Jaipur
20.	Smt. Poonam Choudhary	Chief Account Officer, Dept. of IT&C
21.	Shri A.K. Tyagi	Superintending Engineer (IT), JVVNL, Jaipur
22.	Shri Y.K. Sancheti	Superintending Engineer (IT), AVVNL, Ajmer
23.	Shri OM Prakash Jatawat	S.A. (Joint Director), Dept. of IT&C
24.	Shri Naveen Kumar	S.A. (Joint Director), RISL, Jaipur
25.	Shri Vinod Kumar Mishra	S.A., Rajasthan State Cooperatives Bank Ltd.
26.	Shri K.N. Sharma	Joint Registrar, RISL, Jaipur
27.	Shri Suneel Bansal	Project Director (MCDBY), SI&PF Dept., Jaipur
28.	Shri Rahul Banerjee	Director, LNMIIT, Jaipur (through VC)
29.	Shri Sourabh Bamnia	ACP (Dy. Director), Dept. of IT&C, Ajmer
30.	Shri Rajkumar Singh	ACP (Dy. Director), Dept. of IT&C, Jaipur
31.	Shri Nitesh Kumar Meena	ACP (Dy. Director), Dept. of IT&C, Jaipur
32.	Shri Arpit Sharma	Project Officer, SeMT, Dept. of IT&C

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Annexure-"B"

Observation/ view of Technical Committee (T.C.) of Dept. of IT&C for the project proposal of Implementation of e-Filing, e-Summon & Virtual Hearing in Revenue Courts of Rajasthan submitted by BoR, Ajmer:

1. Desktop Computer:

Item	Minimum Technical Specification
Processor	Intel i3 (12th Generation or higher) 4 Core or higher, with minimum 2.7 GHz or higher (Base Frequency), 12 MB Cache
Chipset	Compatible Chipset
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) or higher with OEM recovery partition.
Memory (RAM)	16 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
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)
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
Warranty	5 Years comprehensive on site OEM warranty

2. Multi-Functional Device Printer (Laser):

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	Monochrome laser
Print Speed (Minimum)	25 PPM (Mono) or higher
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	64 MB or higher
Display	Monochrome 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
Warranty	5 Years comprehensive on site OEM warranty

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3. UPS 1KVA:

Item	Minimum Technical Specifications
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, RoHS
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)
Warranty	5 years comprehensive on-site OEM warranty including battery

4. Bar Code Scanner:

Item	Minimum Technical Specification
Colour	Black
Compatible Devices	Laptops and PC
Connectivity Technology	USB
Scan Speed	100 scan/ Sec. or higher
Light source	LED/Infrared light/Visible light/laser
Scanner Type	Portable
Certifications	BIS, RoHS
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)
Warranty	5 years comprehensive on-site OEM warranty including battery

5. Video Conference Endpoint for Room based VC:

Item	Minimum Technical Specification
General	The system should be with 1080p30 Codec, Full HD 1080p30 inbuilt integrated camera with 5x digital zoom or higher, 1x external tabletop Mic, Touch panel, required cables and power supply.
Video: Video Standards	H.323, SIP
	H.264 in an Encrypted call
	1080p30 resolution when sending or receiving two live video sources e.g. Presenter and Presentation or better.
Video Frame Rate	Should provide 1080p30 resolution video encode and decode or better
Video Output	Should have at least 2 No's upto 4K 60fps HDMI Video output. It should also support both Video and Content i.e., Dual Monitor Support with Both Displays connected at 4K Resolution.
	It should be capable to support minimum dual screen, one for content/self-view and one for remote site.

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	It should be able to do content sharing (PPT, MS WORD, PDF, EXCEL documents, multimedia files etc.) during the video conference.
Video Input	System should have an inbuilt cameras of 1080p30 resolution with full functionalities as mentioned in the camera specifications.
	System should have HDMI/DVI input to connect PC/ Laptop directly to the Video conferencing system. HDMI cable (min. 3 meter) should be supplied along with the codec. It should support resolutions upto 4K.
Audio: Audio standards supported	G.711, G.722 or equivalent standard or higher must be supported.
Other Desirable features	Noise Removal, Automatic Gain control, Acoustic Echo Cancellation
Audio Inputs	Should support minimum 1 external Table Microphones from the same OEM as codec, with 15 meter cable should be supplied with each endpoint.
	It should also support Audio over HDMI Input for Content Sharing.
External devices	The unit should be supplied with Touch Panel from same OEM
Network Interfaces	1 x LAN /Ethernet--10/100/1000 Mbps full duplex
	Wi-Fi 802.11a/b/g/n/ac 2.4 GHz/5 GHz for network and calling. It should be possible to connect calls on WiFi Network in case Physical Ethernet port is not available in the room.
	Should support IPv4 and IPv6.
Presentation Sharing	It should be possible to share presentation through Laptop/PC wirelessly via Airplay and Miracast.
Network Capabilities	Should be capable of Packet Loss/bandwidth congestion based down speeding
	Auto Network Address Translation (NAT) support
Security: Menu Control	Password protected system menu
Encryption of video call	ITU-T standards based Encryption of the video call
	Call should be encrypted end-to-end on IP
	Should support AES Encryption
Camera	Minimum 5x digital zoom
	1080p resolution @ 30fps or better
	Should have at least 120 degrees horizontal field of view
	The Camera should support Auto Framing, Speaker Tracking, Auto brightness and white balance
USB Pass through Mode	It should be possible to connect the Codec (directly or via external device) to a PC/Laptop and Make use of Camera, Mic and Display to work with any Soft Client applications such as WebEx, Zoom, MS Teams, etc.
Directory services	Should support Local and Global directories
	Should support LDAP (Active directory) protocols for directory transfer
License for registration with Central collaboration Infrastructure	The VC Unit should be supplied with the required licenses for integrating with the existing collaboration central infrastructure for Calling and Central Management
Warranty	5 year comprehensive onsite OEM warranty

Cloud Based VC
Specifications for a Collaboration platform to allow multiple users to collaborate with each other using different devices. The Solution must be secure, Scalable and must include the following functionalities.
Users should be able to join into a collaboration meeting from any of the following devices: Laptop, Computers-support for both Mac and Windows; Mobile Phones: Android, iOS; PSTN: users must be able to join in from their PSTN phones, HD Video Conferencing devices: SIP/H.323
The single meeting should have around 500 web based users joining from desktop/laptop etc.
Each meeting should allow H.323/SIP Devices to join the meeting
Content Sharing:
The following should be the minimum capabilities that the users must get:
The tool should have the capability for document, application, and desktop sharing from Laptop/Computers
The tool should have the capability for annotation and collaboration tools using the application on the Computers/Mobile devices
Content sharing using BFCP/H.239 from Standards based VC devices from VC OEMs etc.
Content Collaboration:
The platform must provide clients on Mobile and Touch screen devices to do white boarding
The platform should also allow touch screen enabled devices with the requisite app installed to share a content and do annotations using multi-coloured virtual pens. Other participants on the conference should also be able to co-annotate on the same content. This should also happen simultaneously.
The platform must allow 3 -in-1 collaboration devices viz. Video conferencing, White boarding and content sharing devices to connect into a conference and be able to share audio, video, content sharing while simultaneously annotating on content
Easy Scheduling of meetings:
The tool should have Personal Conferencing Number capabilities so that a host has a persistent host and attendee access codes for planned and ad-hoc audio-centric conferencing.
Setting up of conferences must also be possible from a Web Portal
Audio and Video Connections:
The tool should provide High-quality video ; full-screen video; up to six simultaneous webcam video feeds and voice-activated switching
The tool should support meetings and recording capabilities including downloadable recordings and playback
The users connected in to the web meeting from desktop should be able to connect on audio using any of the following methods:
1. Computer audio
2. Dial In with Telephone Service Provider (PSTN) audio. The exact packages must be mentioned in the commercial documents
The tool should work on HTTP port 80 and HTTPS 443 for signalling. Should have UDP ports for media
App Based Features:
The app should have Start a personal Meeting Room, Join a meeting, schedule, and attend online meetings options from mobile devices
The tool should have mobile functions such as chat, audio, call back over IP network or PSTN network, calendar, and ability to pass host privileges to others on call
Connecting Standards based VC devices:
The solution should allow for H.323 and SIP based hardware based Video conference endpoints deployed in conference rooms with a PTZ Camera and codec to seamlessly join

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as a participant into the meeting with other users connected on the web conference using a web camera, Internet and audio speakers and microphone.
The solution should allow for the users connected on the web based tool to share video, audio and content with the hardware based Video conferencing device and vice versa.
Video Resolution: main video up to 1080p at 30 fps and content sharing
Advanced Encryption Standard (AES) 128-bit encryption
Signalling protocol support: H.323/SIP, TLS
Media protocol support: RTP, sRTP, and RTCP
Content share (dual video) protocol support: Binary Floor Control Protocol (BFCP)/H.239 / TIP
Video codec support: H.264 AVC
Audio codec support: G.711, G.722, G.722.1 or equivalent
The solution should support the following advanced security features such as:
Personal Identification Number (PIN)-protected access into meetings from video endpoint
Meeting lock/unlock for added privacy to prevent unintended participants from joining
Authenticated access into meetings on desktop and mobile apps
During the meeting , the user should be able to have the following controls:
See all meeting participants in a unified participant list
Drop participants
Mute, unmute audio of participants

6. 50" LED Display:

Item	Minimum Technical Specification
Size	50" Direct LED
Panel Technology	IPS
Resolution	3840*2160 (4K UHD)
Brightness	400 Nits or higher
Contrast Ratio (Native)	1100:1 or better
Viewing Angle (H/V)	178°
Response Time	10 ms or better
Display Colors	16.7 million
Color Gamut	72%
Audio	Built in Speaker (10W + 10W)
Input	HDMI 2.0 x 3, USB 2.0x1, Stereo Mini Jack
Output	Digital out Audio/ Video
Duty Cycle	16/7 Hrs.
Haze	2%
Rating	IP5X
Special Features	UHD Signage with Built-in Software, Smart Share, Web browser, Auto Source Switching/Recovery, Button lock, Plug Play, HDR Pro/10/Plus
External Control	RS232C(in) thru stereo jack, RJ45
Mounting	Wall Mount, all required accessories has to be supply for installation
Certificates	BIS, ROHS
Service Center	OEM must have dedicated toll-Free No. in India for Service Support and have Authorized Service center in Rajasthan operational successfully from past Five Years or more (all Service Centers in Rajasthan should have Legal Agreement/ Authorization Letter with OEM)
Warranty	5 years comprehensive on site OEM warranty

GOVERNMENT OF RAJASTHAN

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7. All-in-One Desktop Computer:

Item	Minimum Technical Specification
Processor	Intel i5 (12 th Generation or higher) 6 Core or higher, with minimum 2.5 GHz or higher (Base Frequency), 18 MB Cache
Chipset	Compatible Chipset
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
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
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)
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
Warranty	3 Years comprehensive on-site OEM warranty

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