

**GOVERNMENT OF RAJASTHAN**  
**Department of Information Technology & Communication**

No. F.7 (37)/ DoIT&C/ 2022/03855/2022

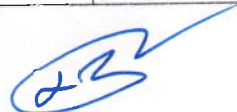
Dated: 10/06/2022

**Minutes of 92<sup>nd</sup> meeting of SeMT dated 26-05-2022**

The 92<sup>nd</sup> meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Principal Secretary, IT&C on 26<sup>th</sup> May, 2022 in Committee Room No. 2, Main Building, Secretariat, Jaipur. List of participants is enclosed at **Annexure -"A"**

Agenda Item(s) discussed during 92<sup>nd</sup> meeting of SeMT are indexed as follows:

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12	Procurement of Computer Hardware & Allied item(s)	Tribal Area Dev. (TAD) Dept.	22-23
13	Application revamping, enhancement & maintenance for integrated e-Panchayat application	Rural Dev. & P.R. Dept.	23-24
14	Procurement of Desktop, Printer, CCTV Camera System and LED TV for Rajiv Gandhi Yuva Mitra Internship Program (RYMP)	Directorate of Economics and Statistics (DES)	24-25





सूचना प्रौद्योगिकी और संचार विभाग

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The followings were discussed in the meeting:

### 1. Project : Jan Aadhar e-Wallet Implementation

The Committee was briefed about the project proposal, as in compliance to the Budget Announcement for the financial year 2019-20, Government of Rajasthan (GoR) implemented "Rajasthan Jan Aadhaar Yojana" in the State Government with following vision-

*"The Rajasthan Jan Aadhaar Yojana has been brought to actualize the concept of "One Number, One Card, One Identity" for providing benefits of various schemes to citizen with Simplicity, Ease and Transparent manner. The Government entitlements of family welfare schemes would be disbursed to the citizens through the Rajasthan Jan Aadhaar Card."*

Different department(s) of Govt. of Rajasthan are providing various non-cash benefits like Scooty, Cycle, Laptop, Agriculture equipment's etc. to eligible beneficiaries. As per point number 116 of Budget Announcement by the Hon'ble Chief Minister of Rajasthan for FY' 2022-23, Rajasthan Government wishes to launch "**Jan Aadhaar e-Wallet**" for all its citizens to empower them by providing option to obtain benefits as per their needs with the objective to bring transparency and quality in entire process.

The verbatim of the Budget Announcement is as mentioned below-

*"विभिन्न विभागों द्वारा पात्रातानुसार लाभार्थियों को Non-Cash Benefits Scooty, Laptop, Cycle, कृषि उपकरण, विशेष योग्यजन के उपकरण आदि उपलब्ध कराये जाते हैं। इस कार्य में पारदर्शिता एवं गुणवत्ता लाने के साथसाथ, लाभार्थियों को विकल्प प्रदान कर empower किया जायेगा। इसके लिए आगामी वर्ष से 'e-RUPI' एवं जन आधार 'e-Wallet' के माध्यम से इन लाभार्थियों को स्वयं अपनी पसंद से सामग्री क्रय करवाया जाना प्रस्तावित है।"*

Jan Aadhaar e-Wallet would be a pre-paid instrument which will be delivered and managed as per RBI Guidelines.

#### Following major activities are proposed to be taken up for implementation of Jan Aadhar e-Wallet:

1. On boarding of Implementation Agency authorized by RBI for prepaid instrument.
2. Application/product customization and Integration with core IT solution of Rajasthan like SSO, e-Mitra, e-Sign, Jan-Aadhaar, etc. for Jan-Aadhaar e-Wallet.
3. Jan-Aadhaar e-Wallet Mobile app.
4. Dashboard for the individual Departments and comprehensive Dashboard for the overall view
5. Grievance module with Call Center backend app
6. Reconciliation and Settlement module for taking care of all transaction settlements
7. e-Vouchers services for issuance of one-time benefit to the Citizens
8. Continuous integration process as per the Government's requests
9. Audit and Compliance checks as per RBI guidelines

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#### Financial Implication:

Following are the major items for Implementation of Jan Aadhaar e-Wallet along with financial implication (*excluding taxes etc.*)-

(Rs. in Lakh)

#	Description	Cost for 1 Year	Cost for 2 Year	Cost for 3 Year	Total
1	e-Wallet application and customization	216.00	72.00	72.00	360.00
2	Monthly Charges related to resources needed for the project and the maintenance of the application.	150.00	300.00	300.00	750.00
3	Data Center Service	400.00	150.00	150.00	700.00
4	Training, Stationery, Vehicle, Consultancy Services, Miscellaneous charges, etc.	80.00	70.00	70.00	220.00
5	Audit and Compliances	20.00	20.00	20.00	60.00
6	Contingency	20.00	12.50	12.50	45.00
	<b>Total</b>	<b>886.00</b>	<b>624.50</b>	<b>624.50</b>	<b>2,135.00</b>
7	GST	159.48	112.41	112.41	384.30
	<b>Total Amount</b>	<b>1,045.48</b>	<b>736.91</b>	<b>736.91</b>	<b>2,519.30</b>
8	RISL Charges	62.73	44.21	44.21	151.16
9	GST on RISL Charges	11.29	7.96	7.96	27.21
	<b>Grand Total</b>	<b>1,119.50</b>	<b>789.08</b>	<b>789.08</b>	<b>2,697.67</b>

#### Fund Management:

Expenditure would be met from the funds available under State IT Plan.

*The Committee discussed in detail on the proposal and directed for inclusion in scope of the work for enhancement of the functionality of e-Wallet available for/ linkage with UPI, e-RUPI, Debit/ Credit cards, and also inclusion of Rajasthan Payment Portal (RPP) as an integral part of e-Wallet.*

**The Committee accords technical approval (*along with above mentioned directions*) on the proposal having estimated cost of Rs. 2697.67 Lakh.**

## 2. Project : AMC of 3D Holographic Projection System

The Committee was informed about the project proposal. Government of Rajasthan has been committed to implement a transparent and accountable governance and with this intention Rajasthan has become one of the pioneer state in implementing lots of innovative solutions for the benefit of citizens. In its bid to increase its reach to the citizens, Rajasthan Government intends to leverage the benefits of ICT and implement state of the art solution to enhance the effectiveness of various schemes launched.



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Keeping with the above, a 3D holographic recording studio has been created at 3<sup>rd</sup> Floor, Library building, Secretariat, Jaipur. The studio is fully functional and is able to record and capture 3D holographic video.

The project for creation of 3D Holographic projection studio has been completed. Now, the DIPR desires to use the facilities available in the recording studio. Hence, for smooth functioning of the studio, AMC of the studio is required.

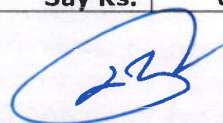
**Components already available in the Recording Studio are as follows:**

S. No.	Component already available in recording studio	Qty. (Nos.)	Make and Model
1.	4K Camera with Extendable Tripod and microphones for sound recording	1	Sony HXR-NX5R+ECM-673(Extra Mic)
2.	Content Management Software and Content Playback Software	1	Vimix + Avid Media composer +Vaad
3.	Media Server	1	HP Z440
4.	5.1 Audio Video System	1	Bosch q44II + ELX200-12SP+EVID-S5-2B
5.	Audio Mixer.	1	Audio Technica A-T ATDM-0604

**Required components (for which approval of SeMT is requested) and its' estimated financial implication (for three years) is as mentioned below:**

(Amount in Rs.)

S. No.	Component required for AMC in recording studio	Qty. (Nos.)	Per Unit Rate	Total Estimated Cost
1	Adobe Creative Cloud Enterprise Edition (for iMac) with three years subscription	1	1,40,000.00	1,40,000.00
2	Microsoft Office Home and Business 2021 (for iMac)	1	50,000.00	50,000.00
3	MFP	1	50,000.00	50,000.00
4	Head Phone (Apple)	1	70,000.00	70,000.00
5	Sony NX Camera Battery (NPF-970/NPF-990)	2	2,500.00	5,000.00
6	High end Desktop computer	1	2,00,000.00	2,00,000.00
7	White Studio Lights	4	15,000.00	60,000.00
8	Camlink talkback with 4 belt pack	1	10,000.00	10,000.00
9	AMC of media server for 3 years	1	3,00,000.00	3,00,000.00
10	AMC of 4K Camera with Extendable Tripod and microphones for sound recording for 3 years	1	4,00,000.00	4,00,000.00
11	AMC of 5.1 audio video system for 3 years	1	2,00,000.00	2,00,000.00
12	Man month charges for Broadcasting Engineer	36	50,000.00	18,00,000.00
13	Man month charges for studio Engineer	36	50,000.00	18,00,000.00
14	FMS charges for View Editor (On call basis)	150	3,000.00	4,50,000.00
15	Pen Drive (64 GB)	1	500.00	500.00
16	Hard Disk (4 TB)	1	7,000.00	7,000.00
17	iMAC	1	1,45,000.00	1,45,000.00
Total				56,87,500.00
RISL Service Charge				5,68,750.00
GST @ 18%				1,02,375.00
<b>Grand Total</b>				<b>63,58,625.00</b>
<b>Say Rs.</b>				<b>63.58 Lakh</b>



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The estimated cost of the proposal is Rs. 63.58 Lakh.

**Fund Management:**

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

**The Committee accords technical approval on the proposal having estimated cost of Rs. 63.58 Lakh for three (3) years duration.**

**3. Project : Rajasthan Sampark (CM Helpline 181) 2.0**

The Committee was briefed about the project proposal. Rajasthan Sampark is a centralized platform for redressal of public grievances implemented in compliance with the Budget announcement (Para 190, FY 2014-15) by the Hon'ble Chief Minister. The project paves the way for a common man to reach the departments of the State Government for their queries and concerns, with the help of telecommunication tools and web portal. It also enables the departments to disseminate the information about various schemes and programs being run for the benefit of the citizens.

Rajasthan Sampark is strengthened with State level Call Centre which acts as a single point of contact for addressing and redressing various citizen centric queries and grievances related to government services. Citizens can lodge their grievances against any government department/ office through multiple modes which include web portal, Rajasthan Sampark Call Center, eMitra Kiosks, Rajasthan Sampark IT Kendras etc.

Rajasthan Sampark Helpline is one of the most integrated and trusted grievance redressal platform for citizens. Through Rajasthan Sampark (181), Government of Rajasthan intends to achieve all important aspects of good governance viz. Robust Delivery System, Transparency, Communication, Grievance Redressal and Sensitivity towards citizens.

**Brief History and Recent Developments:**

The Project was approved in 53rd Meeting of SeMT held on 17.10.2014 for the duration 2014-2017. Rajasthan Sampark Call Center has been revamped and grievance redressal mechanism has undergone a major operational changes. A new toll-free number 181 was launched by Hon'ble Chief Minister on 15th August 2017 and was subsequently approved in 71st SeMT Meeting and 80th SeMT Meeting held on 20.11.2017 and 10.09.2020 respectively. The present contract of operation of the project "CM Helpline 181" is going to end on 14th August 2022. Therefore, new selection of System Integrator for envisaged 1000 seats "CM Helpline 181" under the compliance of Budget Announcement No: 115/2022-23 needs to be processed before 14th August 2022.

The verbatim of the Budget Announcement is as mentioned below-

"मेरे द्वारा वर्ष 2009-10 में प्रदेश का प्रथम एकीकृत राजकीय Call Centre स्थापित किया गया था। वर्तमान में यह 400 Seater Call Centre, 181 CM Helpline के रूप में कार्यरत है। इस Toll Free Helpline ने आमजन को विभिन्न सरकारी योजनाओं की जानकारी उपलब्ध कराने के साथसाथ - उनकी समस्याओं के निराकरण में अहम भूमिका निभायी है। इसके दृष्टिगत मैं 181 CM Helpline को और अधिक सुदृढ़ करने हुए इसे 400 से बढ़ाकर एक हजार Seater Call Centre करने की घोषणा करता हूँ। इस पर 50 करोड़ रुपये का व्यय होगा।"

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#### **Proposed Application Development/ Scope of the Work:**

Present version of Rajasthan Sampark is an integrated "Grievance Management System". The existing User Profile Management of Rajasthan Sampark to enable seamless integration with the Single Sign On being implemented for all the applications. It is envisaged that the version 2.0 would provide a single interface for people of the State, as well as internal stakeholders like tourists and patients etc. Rajasthan Sampark Platform's core application will need to interact with other applications/specific databases, either for transactional purposes or for information/data sharing. It is proposed that the Rajasthan Sampark Platform core application will share the data with any of the other applications/ databases through an "Enterprise Service Bus". The necessary data mapping and formats for data exchange will have to be developed. The integration of information/data sharing from various sources is to make the Website and Mobile App comprehensive. Develop necessary web services for integration with Mobile Application and enhancements (if any) in the Mobile Application of Rajasthan Sampark. Various component of the envisaged Rajasthan Sampark will include service delivery, grievance redressal, Call Center Module (will have overlay of A.I. to take care of individual customization requirement), Communication and information.

#### **Project Duration:**

The new Project "Rajasthan Sampark (CM Helpline 181) 2.0" is conceptualized for the initially duration of there (3) years. After completion of three (3) years, it will be further extendable up to the next two (2) years.

#### **Financial Implication:**

The cost estimate of project Rs. 24750.00 Lakh for three (3) years (2022-23 to 2024-25) is as follows:

		(Rs. in Lakh)
S. No.	Details	Approx. Cost
<b>A - Application Part</b>		
1	Software a. Application Development b. Licenses	1000.00
2	Facilities Management Services: Application software/Change request	500.00
	<b>Total</b>	<b>1500.00</b>
<b>B - Call Centre Services</b>		
1	Hardware a. Application Server b. Database Server	150.00
2	OPEX for Rajasthan Sampark Call Centre	19000.00
3	Operational expenses (Like Capacity building & Trainings Logistic arrangements, IEC and other miscellaneous expenditure)	4000.00
4	Contingency Fund	100.00
	<b>Total</b>	<b>23250.00</b>
<b>Project Cost for 3 years</b>		<b>24750.00</b>

#### **Fund Management:**

The required fund (**Rs. 24750.00 Lakhs**) would be met from the funds available under State IT Plan.

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Efforts of managing funds required under different components of CAPEX and OPEX may also be made out from the other projects' Budget Head having similar nature/ scope of work like RSDC and other e-Governance projects.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 24750.00 Lakh for three (3) years duration (2022-23 to 2024-25).**

**4. Project : Procurement & implementation of the WhatsApp Business Services for e-Sanchar platform**

The Committee was informed about the project proposal. Under the project "e-Sanchar", services for sending SMS and OTP messages are being provided to a number of e-Governance applications and services. Over 350 crore SMS messages have been sent under the project. Presently, on an average basis, 10-50 lakh of messages are being sent every day. Sometimes, for specific campaigns, over 1 crore messages are sent in a span of a single day.

For a last few years, a new messaging platform named WhatsApp has been emerged as a popular and mostly used medium of day to day conversation and interaction among people on mobile phones. The penetration and public reach of WhatsApp in the internet based messaging platforms is biggest in the segment. Even it has outperformed the standard GSM based SMS messaging system for sending messages. The ability of sending multimedia files and other documents makes it more useful in a number of cases.

WhatsApp has been observed as a brilliant platform to engage citizen to make them aware of government scheme and more over that it can be used as a platform where data can be captured from the citizen on the same window of WhatsApp and provide them relevant information or help them in many ways. Which is not possible in today's scenario of tradition push message services.

WhatsApp Business offers a simple, and secured way for government to reach, connect and engage with billions of people. A number of State Governments like Madhya Pradesh and Odisha have already adopted this approach to send messages and to interact with citizens through ChatBots for various e-Governance services.

So, it is proposed that the WhatsApp messaging and ChatBot services may be incorporated in the service basket of the e-Sanchar platform to deliver messages to citizens over WhatsApp and to establish some interactive ChatBots for the e-Governance services.

The owner company of the WhatsApp messaging platform, the Facebook has recognized a number of third party companies in India and has badged them as "Facebook Business Partners" to extend its services to the enterprise.

To get the WhatsApp Business Service on-boarded under the umbrella of e-Sanchar services, these services need to be procured from either of the partner firms as mentioned earlier.



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#### Scope of Work:

The proposed broad scope of work would contain the component as-

- Provision of WhatsApp Business Services through an official WhatsApp Business Account.
- Design, development and implementation of a middleware platform named "WhatsApp Communication Management System" including to extend and control the related services to different e-Governance application of GoR.
- Support & Maintenance of the middle ware platform.

#### Duration of the Project:

The tentatively estimated project duration would contain a two (2) months of implementation period and an Operation Support & Maintenance period of two (2) years after Go Live.

#### Financial Implications:

The estimated cost implications of the project would be as follows:

(Rs. in Lakh)		
S.No.	Item	Amount
<b>(A)</b>	<b>CAPEX</b>	
1	Design, Development & Implementation of WhatsApp Communication Management System	50.00
<b>(B)</b>	<b>OPEX</b>	
2	Recurring Charges for WhatsApp Business Services usages for two (2) years	1700.00
3	Application Maintenance and Support cost for 2 years	89.00
<b>4</b>	<b>Total – OPEX</b>	<b>1789.00</b>
<b>5</b>	<b>Grand Total (CAPEX + OPEX)</b>	<b>1839.00</b>
6	RISL Service Charges	103.20
7	GST @ 18% (on RISL Service Charges mentioned at S.No. 6)	18.58
<b>8</b>	<b>Total (=5+6+7)</b>	<b>1960.78</b>
9	Contingency Fund @ 2% (on above mentioned S.No. 8)	39.22
<b>10</b>	<b>Total (8+9)</b>	<b>2000.00</b>

#### Fund Management:

Expenditure would be met from the funds available under State IT Plan.

*The Committee discussed on the proposal and directed that the format ChatBot based information cum transactional workflow system should be the part of the proposed WhatsApp Messaging platform.*

**The Committee accords technical approval (along with above mentioned directions) on the proposal having estimated cost of Rs. 2000.00 Lakh.**

#### 5. Project : Rajasthan Payment Platform (RPP)

The Committee was briefed about the project proposal. "Rajasthan Payment Platform (RPP)" project was started in July, 2016 with objective to extend the e-Payment Gateway Services (collection + disbursement) to the departments, under the aegis of

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State Government, having banking operations (other than Treasury) to help them in saving time, government money, resources and efforts.

Rajasthan Payment Platform (RPP) takes care of all payment gateway & banking requirements of various departments/PSU's under the aegis of State Government to facilitate-

1. Collection of Government Funds – Enable users/citizens to make payments (other than treasury i.e. through e-Gras) against various citizen-centric services offered on departmental websites/applications. More than 600 accounts of 55+ departments are linked for the collection of funds. Total transaction till date are 4.87+ crore amounting Rs. 21000+ Crore.
2. Disbursement of Funds – State Government Depts./ Organizations use RPP to disburse funds to beneficiaries, vendors, etc., using digitally signed payment file transfer to banks. 17000+ accounts of 25+ departments are configured for the disbursement of funds. Total transaction till date are 1.92+ crore amounting Rs. 43000+ Crore.

#### Project's Growth Program:

Collection Segment Status	2016	2017	2018	2019	2020	2021	2022 (till Apr,22)
Accounts Integrated	9	147	109	56	83	177	25
Transaction Count	889	37 L	89 L	81 L	92 L	137 L	49L
Transaction Amount	0.02 C	2260 C	3826 C	4814 C	4162 C	4681 C	1344 C

Disbursement Segment Status	2017	2018	2019	2020	2021	2022 (till Apr,22)
Departments Integrated	9	6	4	2	4	1
Transaction Count	11 L	26 L	33 L	35 L	48 L	36 L
Transaction Amount	8373 C	7568 C	8525 C	8696 C	11268 C	5154 C

\* L- Lakh, C- Crore

RPP is also integrated with critical applications like e-Mitra, extending payment gateway collection & disbursement services to online users for making payments against e-Mitra services using AePS, UPI, Wallets, Net Banking, Credit Cards/ Debit Cards. In addition, RPP Disbursement Services are used by e-Mitra, Panchayat Raj(e-Panchayat), RVPN (SAP), Medical (RSHAA, NHM) for remittance of funds to vendors, departments, beneficiaries and others through NEFT/ RTGS modes.

In meantime, RPP evolved as a "Product". The e-Payment Services under the RPP are versatile in nature, and it is the requirement of the time to keep adding new banking based solutions, enhance existing services basket by including new payment modes, provide technical support to user departments and keep system up and running for smooth and seamless payments across various departments of the State Government. RPP version 2.0 would include e-RUPI and Jan-Aadhar Wallet. This would be integral part of IFMS 3.0.

Earlier RPP project was approved earlier in 66<sup>th</sup> meeting of SeMT convened on 17-03-2017 for two (2) years for development and O&M work amounting Rs. 100.00 Lakh.

#### Financial Implication:

The estimated cost of application development, enhancement, maintenance and O&M is approximately Rs. 102.00 Lakh per year with an increase of 10% per financial year.

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**Cost Breakup**

Minimum of 12 No. of resources are required for ongoing development, enhancement, O&M under RPP Project. Cost estimates (**inclusive of all other taxes except GST**) are as given below-

(Rs. in Lakh)

S. No.	Activity/ Item Description	Quantity (Nos.)	Man-month Unit Rate	Total Amount per month
1.	Senior Java Developer	2	1.20	2.40
2.	Mid-level Java Developer	2	0.70	1.40
3.	Senior Dot Net Developer	1	1.20	1.20
4.	Junior Dot Net Developer	1	0.60	0.60
5.	Database Developer	1	0.90	0.90
6.	Graphic/ UI Designer	1	0.80	0.80
7.	Helpdesk Support Executive	4	0.30	1.20
	Total ( <b>per month</b> )	12		<b>8.50</b>
	Total ( <b>per annum</b> )			<b>102.00</b>

**Fund Management:**

RPP would be made integral part of IFMS 3.0 platform. Expenditure would be met from the funds available with Dept. of IT&C. Also, RPP will integrate Jan-Aadhaar Wallet for seamless usage of wallet in various applications of the State.

**The Committee accords technical approval (*along with above mentioned directions*) on the proposal having estimated cost of 102.00 Lakh per annum with an increase of 10% per financial year.**

**6. Project : Rajasthan Supply & Inventory Management System (RajSIMS)**

The Committee was briefed about the project proposal. RajCOMP Info Services Ltd. (RISL) has designed, developed and implemented the "Sales & Inventory Management System (SIMS)" for CONFED Medical stores and District Cooperative Bhandhar of Rajasthan. The system is live since April 2021 and also integrated with RGHS portal for medicine distribution under the scheme.

RISL has been approached by various departments/ organizations of Rajasthan State such as the Women & Child Development (WCD) Dept. for inventory and distribution management for UDAAN scheme, the text book depot for supplier and inventory management, dept. of forest for distribution management for GGAY etc.

RISL floated an RFP for "Selection of Agency for Study, Design, Development & Deployment of UDAAN Management Information System (UMIS) for Women & Child Development, Dept. GoR along with Operations & Maintenance Services for a period of three (3) years" having estimated cost of Rs. 300.00 Lakh.

Another RFP is also to be floated for "Selection of Agency for IT enablement of inventory management system for CONFED and District Cooperative Bhandhar of Rajasthan and Operations & Maintenance Services for a period of three (3) years" having estimated cost of Rs. 200.00 Lakh.



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In this context, a meeting of PC-IV of RISL was convened under the Chairmanship of the Chairman, RISL on 11-04-2022, to take a view and finalized the draft RFP and as per discussion of the Committee members and further direction of MD, RISL it is decided that it will be beneficial to combine the scope of above mentioned RFP with PPR submitted to WCD Dept. for UDAAN scheme and proposed an advanced generic web-based solution with mobile application to meet the requirement of "Sales and Inventory Management System" and "Supply Chain and Distribution System". Departments having requirement of "Sales and Inventory Management" and "Supply Chain and Distribution" can leverage the application as generic solution. Therefore, the RFP floated for UMIS has been withdrawn and PPR for "**Rajasthan Supply and Inventory Management System (RajSIMS)**" as generic solution has been prepared.

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

The broad requirement is to study, design and development of one solution in place to cater complete supply chain management and inventory management & control with online payments, stock audits, analytics, social audit surveys etc. along with maintenance of inventory management system of CONFED medical stores and District Bhandhar.

The system will be clearly defined in two parts/ subsystems:

1. Inventory management and control
2. Supply chain management

These two subsystems are expected to work as a single integrated solution but need to function discretely also.

The expected features in the part of the required solution (both subsystems) will broadly include but not limited to-

1. Onboarding & configuration of user departments/ organizations
2. Creation & configuration of Organizational Hierarchy
3. Creation of Retail Outlets/ Godowns/ Suppliers at State/ District/ Block/ Municipal/ Gram Panchayat/ Village/ Wards level or as per the Organizational Hierarchy
4. Creation, assigning and mapping of Users (SSOIDs) of all user departments and respective stakeholders with required workflow to establish distribution network of supplies
5. Real time demand/ supply management with tracking of supplies and inventory at Retail Outlets/ Godowns/ Suppliers
6. Dashboards and comprehensive MIS for decision makers and operational users across user departments
7. The solution will be modular and configurable to implement in part or in total for any department/ organization.
8. Integrable with 3<sup>rd</sup> party application as per the requirement and IT architecture of Rajasthan State

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# **GOVERNMENT OF RAJASTHAN** **Department of Information Technology & Communication**

## **Project Duration and Estimated Financial Implication:**

(Rs. in Lakh)

S.N.	Name of Work	Timeline	Estimated Cost
1	Study Design & Development Phase (including Support & Maintenance of existing system)	8 Months	160.00
2	Operations & Maintenance Phase of comprehensive complete system (for 5 years)	60 Months	540.00
	<b>Total</b>	<b>68 Months</b>	<b>700.00</b>

Year-wise breakup of the estimated cost/ expenditure (for 5 years 8 months) is as follows:

(Rs. in Lakh)

S.N.	Year	Estimated Cost
1	First Year (2022-23)	128.00
2	Second Year (2023-24)	114.40
3	Third Year (2024-25)	114.40
4	Fourth Year (2025-26)	114.40
5	Fifth Year (2026-27)	114.40
6	Sixth Year (2027-28)	114.40
	<b>Total Estimated Cost</b>	<b>700.00</b>

**Note:** The above estimated cost includes tentative Cloud Service Charges of RSDC.

## **Fund Management:**

Out of the Rs. 700.00 Lakh, the Expenditure would be met from the fund of Rs. 200 Lakh available with RISL for "Inventory Management System of CONFED Medical Stores and District Bhandhar" project of CONFED for development and O&M. Rest of the amount of Rs. 500.00 Lakh would be made available by RajCOMP Info Services Ltd.

*After detailed discussion, the Committee directed that before commencement of the Application development work of the project, the system study/ workflow of at least two (2) or three (3) Departments of similar work nature as of items distribution should be done; for the purpose of more common provisions for such type of departments i.e. UDAN Scheme of Women Empowerment Dept., Mid-Day Meal Programme and some services of Social Justice & Empowerment Dept.*

**The Committee accords technical approval (along with above mentioned directions) on the proposal having estimated cost of Rs. 700.00 Lakh.**

## **7. Project : RajKaj - Integrated Raj eOffice Project**

RajKaj - Integrated Raj eOffice Project is being implemented in accordance with budget announcement of Hon'ble Chief Minister to develop integrated IT Platform to enhance office productivity and streamline internal processes associated with service delivery to end users. The platform is aimed to provide firm foundation to horizontal and vertical structure, e.g. identity management of employees and offices, dynamic workflows & workflow libraries, other common components as per the requirement in an e-Governance environment.

Initially, Integrated Raj e-Office Project was approved in the 52<sup>nd</sup> meeting of SeMT held on 13<sup>th</sup> August, 2014, with project cost of Rs. 9.35 Crore. Subsequently, the



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project cost was revised to Rs. 22.62 Crores in 71<sup>st</sup> SeMT meeting held on 16<sup>th</sup> November, 2017. Furthermore, due to enhanced scope of work, project cost was again revised to Rs. 33.22 Crores in the 73<sup>rd</sup> SeMT meeting held on 26<sup>th</sup> April, 2018.

#### Scope of Work (SoW)

Proposal of Revamping & Maintenance of existing RajKaj Application is as mentioned below-

#### **(A) Development of RajKaj (version 2.0)**

Work order to M/s TCS Ltd. was given for 'Application Maintenance and Support Services on the Application Software 'RajKaj' for a period of three (3) years on 10-08-2018. Further, work order extension has been given to the firm for a period of one (1) year i.e. till September, 2022.

The current application is based on proprietary framework "DigiGov" of TCS. The modules have been implemented in departments as per their priority/requirements. However, looking onto the complexity & variability of use-cases, the functioning of most of the modules requires redesigning and redevelopment. Major points noticed during the reviews are-

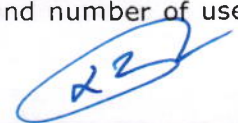
- User Interface needs to be redesigned and revamped making it more user friendly. The user response time also requires improvement.
- Application requires to be re-architected on the basis of the current user concurrency of 10K-12K users in peak hours while IPR or PAR window is open. Once the user base of File & Dak system along with Leave & NOC Management increases, the concurrency may rise to even 20K.
- Also, there's a shift in the adopted technology stack in IT industry wherein micro-services-based architecture is now leveraged for optimum performance. The micro-service based architecture enables to optimize resources, enhance collaboration and streamline business processes. Micro services architecture based application is easier to build, deploy, update, test and scale each service independently via container based platforms using simple command and work-saving automation through single API.
- The ongoing new software development of projects like IFMS-v3, eMitra, Raj-eValut, SIPF etc. are micro-services-based only and the future integration of RajKaj with these systems requires revamping, restructuring and redesigning of existing RajKajv1 into RajKaj version 2.0. RajKaj v 2.0 would also be Integrated Human Resources Management System (IHRMS) of the State.

The financial implication for RajKaj version 2.0 is estimated to be as under-

(Rs. in Lakh)		
S. No.	Description	Approx. Cost
1.	Total cost of Hardware & Software at RSDC	2000.00
2.	Total cost of Application Software Development with 3 Yr. FMS	3500.00
3.	Total cost of Project Implementation (Training, Messaging, Social Media, Helpdesk Facilities & Data Digitization, Stationery, Vehicle, Consultancy Services, Miscellaneous contingencies etc.)	1500.00
4.	RISL Service Charges	500.00
5.	<b>Total Project Cost</b>	<b>7500.00</b>

#### **(B) Continuity of Existing RajKaj Software (version 1.0)**

More Employees and Offices are now on-boarding and implementing RajKaj. Modules such as Leave, IPR, NOC, PAR, File & Dak etc. are popular and number of users and



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overall usage of applications has increased considerably, and hence existing RajKaj Software (v1) needs to be continued for further more year i.e. till Sept' 2023 for which the fund requirement is as under-

		(Rs. in Lakh)
S.No.	Description	Additional fund Required
1.	Application Maintenance and Facility Management Services	450.00
2.	Helpdesk Services, Training, advertisement and other contingencies	50.00
<b>Total Additional Project Cost</b>		<b>500.00</b>

#### **Fund Management:**

Expenditure would be met from the funds available with "e-Office" Budget Head.

**The Committee accords technical approval on proposal of (1) New Application development (RajKaj v2) having estimated cost of Rs. 7500.00 Lakh and (2) continuance of existing RajKaj.v1 for further one more year i.e. till September 2023 on additional cost of Rs. 500.00 Lakh.**

#### **8. Project : Warehouse Management System (WMS) by Rajasthan State Warehousing Corporation (RSWC)**

The Committee was informed about the project proposal. The main function of Rajasthan State Warehousing Corporation (RSWC) is to keep the storage of food grains safe, at its' 547 No. of warehouses functioning at 93 No. of locations across the State of Rajasthan. Food Corporation of India (FCI) and National Agricultural Cooperative Marketing Federation of India Limited (NAFED) mainly stores food grains in RSWC.

Entities operating similar to a corporation such as FCI, NAFED, Central Warehousing Corporation (CWC), the work(s) of deposit, withdrawal, damage etc. of daily storage is being executed by the Management Technology Software; developed by them, resulting as all the work is done accurately and without delay.

At present, due to the absence of any software with RSWC, difficulties arise in the supervision and management of the works. Therefore, RSWC also intends to utilize "Warehouse Management System" (WMS) and connect all the warehouses with it.

Guidelines have been issued by CWC for operation of WMS in State Warehousing Corporations (SWCs). As per the guidelines, SWCs can get WMS from CWC free of cost and apply customizing as per requirement keeping in view the functionality. Administrative Dept. of RSWC (Agriculture Dept.) also intends to execute the proposal adopting the WMS from CWC.

Under the customization of WMS for RSWC; Rollout, Operations & Maintenance, Hardware, Software, Manpower, Internet, Hosting of WMS on Rajasthan State Data Center etc. works are involved; which may cost around Rs. 500.00 Lakh.

#### **Financial Implication:**

The Estimated cost of the project (apply customization for RSWC) is Rs. 500.00 Lakh.

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#### Fund Management:

Expenditure would be met from the funds available with RSWC.

The Application S/w of Central Warehouse System (WMS) of Centre Warehousing Corp. (CWC) was studied by the team of DoIT&C. The "Central Warehouse System (WMS)" of CWC, GoI has provisions of functional requirement of RSWC. However, on technological end the solution may be adopted with the following **recommendations**:

1. The IT stack of the solution may be upgraded in their respective technology considering the available official support.
2. The entire solution must be deployed at Rajasthan State Data Center (RSDC) and source code of the solution after the required customization should be kept in RSDC.
3. Integration with common IT stack of the Rajasthan state such as RajSSO, RajDhara, e-Sign, RajSIMS, RPP and 3<sup>rd</sup> party application must be included in the scope of the solution provided.

The tentative list of the third-party applications to be integrated are as follows:

S.No.	Third Party Application	Purpose of Integration
1.	RajSSO	Authenticated access to users
2.	E-Mitra	If e-Mitra Kiosks are used as stakeholder
3.	Rajasthan Payment Platform (RPP)	If required for payment receipt/ transfer
4.	Raj Supply & Inventory Management System (RajSIMS)	To manage supply and distribution of the commodity stored in the RSWC and information sharing for dashboards and reporting
5.	E-Sanchar & RajMail	SMS and e-Mail gateway
6.	RajDharaa	Rajasthan state's GIS platform for mapping/ dashboards
7.	RajMaster	Source of administrative boundaries
8.	e-Sign	If user Dept. needs to generate e-signed documents
9.	IFMS	If user Dept./ GoR require share information with IFMS
10.	Jan-Aadhaar/ Aadhar/ Other Beneficiary Data Sources	Authentication of beneficiaries Area wise beneficiaries database
11.	Dept. Web	Information sharing to departmental websites or internal portals
12.	Logistic/ Supplier Application	To track supplies as and when required
13.	Distribution Network	Seamless integration of processes and sub process of inventory management with distribution network application to manage complete supply chain as and when required.

The Committee accords technical approval (along with above mentioned recommendations) on the proposal having estimated cost of Rs. 500.00 Lakh.

#### 9. Project : Procurement of two (2) new Servers and one (1) Storage Area Network (SAN) by Directorate of Economics & Statistics (DES)

The Committee was informed about the project proposal. For IT strengthening and smooth running of existing online web and mobile applications of Dept., the Directorate of Economics and Statistics, Rajasthan intends to procure two new servers and one Storage Area Network (SAN).

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In this context, a proposal was approved in 88<sup>th</sup> SeMT meeting dated 12.11.2021 for procurement of two servers and extension of Storage Area Network (SAN) capacity but estimated cost of two servers and one Storage Area Network (SAN) has increased from Rs. 70.00 Lakh to Rs. 110.00 Lakh.

Details of the Technical Specification proposed by Directorate of Economics & Statistics (in consultation with NIC) are as follows:

S. No.	Item	Specifications	Estimated Cost	Remarks (Reasons for cost escalation)
1	Two (2) Server	2U Rack Server, 2 Proc 20/ 24 Core Intel Xeon, Minimum 512 GB RAM, 4 x 600 GB HDD, Dual Port 16GB Fiber Channel Card with SFP, Dual Port 10GBE + SFP Windows Server (latest) licenses as per core Onsite warranty-5 yrs.	110.00 Lakh	1. Existing SAN has gone end of life and <b>upgrade for the same is not available.</b> (as per OEM undertaking dated 21.12.2021) So new SAN will be procured for storage capacity extension. 2. Cost escalation due to Covid-19 and money inflation. 3. Cost added of Data migration from existing SAN to new SAN. 4. Old prices were estimated in the year 2019-20. 5. Estimates from various OEM's (Dell, Hitachi) are attached.
2	One (1) SAN	One Storage Area Network (SAN) capacity 40-50 TB usable with buyback offer of existing SAN (EMC VNXe3200) Raw capacity 22.5 TB. Onsite warranty-5 yrs.		

These servers and SAN are required for IT strengthening of department and smooth running of online web and mobile applications like Pehchan (Civil Registration System), Business Register and others. At present, these applications are running on minimum server space.

Estimated cost and technical specifications for procurement of two servers and one Storage Area Network (SAN) has been approved in the meeting of Departmental Project e-Governance Mission Team (PeMT) convened on 18-04-2022.

#### Financial Implication:

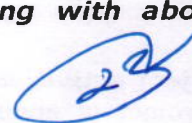
The Total Estimated cost of the project is Rs. 110.00 Lakh.

#### Fund Management:

Expenditure would be met from the funds available with DES, subject to the approval of Finance Dept.

*The Committee discussed in detail on the proposal, and agreed on the requirement of DES. Further, the Committee agreed to provide the required resources in Data Center pool of Dept. of IT&C (from which resources would be shared for this project).*

**The Committee accords technical approval (along with above mentioned directions) on the proposal.**



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**10. Project : Appointment of IT Project Management Unit (IT-PMU) for Providing Consulting Advisory and Application Management for Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY) by State Insurance & Provident Fund (SI&PF) Dept.**

The Committee was informed about the project proposal. Rajasthan Government launched "Mukhyamantri Chiranjeevi Durghtana Bima Yojana (MCDBY)" to provide free accidental insurance cover up to Rs. 5.00 Lakh to the families insured under Mukhyamantri Chiranjeevi Swasthya Bima Yojana (MCSBY). State Insurance & Provident Fund (SIPF) Dept. has been given the task of getting an application platform developed for this purpose and hence forth software solution for implementation of MCDBY.

SIPF Dept., under Dept. of Finance, GoR intends to set up an "IT Project Management Unit (IT-PMU)", which would take the responsibility to provide support in the development of MCDBY and GPA applications, design and develop new modules, develop use cases by using emerging technologies like AI/ ML in - line with the vision of common web portal providing effective services and requisite accidental insurance coverage to the insured families.

This IT-PMU shall also take the responsibility in integrating solution with other related applications of Rajasthan State as well as provide necessary information as required from time to time.

**1. Major Stakeholders:**

- i. Beneficiary: Family insured under Mukhyamantri Chiranjeevi Swasthya Bima Yojana.
- ii. Beneficiary:
  - State Government's employees, uniformed police personnel and their respective nominees.
  - SIPF Dept.
  - Finance Dept.

**2. Scope of Work for the IT- PMU:**

The broad scope of work for the selected IT-PMU during the period of project/ contract/ engagement would include:

- Requirement gathering, design, development, testing and roll out of new application module
- Enhancement/ Customization/ Configuration/ Bug Fixing
- Testing and Deployment of Application Software Solution (Web application)
- MIS Report Preparation
- Application Management
- Maintaining Analytics Portal

It has been proposed to follow a phased approach for developing the MCDBY application.

**3. Detailed project activities to be performed by the IT-PMU:**

The entire project is envisaged to be implemented following an Agile/ Sprint methodology. The overall broad scope /responsibility of IT-PMU team:

**A. Understanding of the Existing Scenario:**

- a. Requirement gathering of current state
- b. Review of schemes and policy documents
- c. Mapping application functionality
- d. Preparation of business requirement document

**B. Enhancement/ Customization/ Configuration/ Bug Fixing, Testing and deployment of the Applications**

- a. Enhancement and Customization of base application
- b. Customization, design and development of work-flow based on following requirements:
  - i. Beneficiary Identification Module - Find beneficiary through API
  - ii. Transaction Management System
    - Workflow for approval
    - Integration with Insurance Agency (Insurer Company)
    - Dashboard
  - iii. Master Data Management - Any kind of report / data as required
  - iv. Fund Management :
    - Integration with FD for the release of funds under various schemes
    - Consolidation of claims under process (Liabilities) and funds to the Insurance Agency
    - Real-time monitoring of funds
  - v. Audit/ Vigilance module in-live with requirements of the scheme.
  - vi. Integration with external applications available in Rajasthan Ecosystem
  - vii. Other Dashboard, summary and detailed MIS reports

**C. Testing and UAT:**

Test case preparation/Prepare various use cases and scenarios/Conduction following:

- Test cases with results
- Bug fixing and streamlining the application
- UAT case and results

**D. Pilot Roll Out, Bug fixation, Application stabilization**

**E. Go-live**

**F. Post implementation Support and Maintenance**

- Continuous enhancement of the deployment modules
- Technical support and maintenance of the deployment modules
- Proactive maintenance
- Development of additional dashboards based on the requirements of various stakeholders
- Development of additional functionality based on the feasibility assessment and requirement of stakeholders.

**G. Other Associated Activities:**

- Data Analysis and providing data for various other works to the concerned stakeholders
- Change Management and Capacity building initiatives as per the directions of MCDBY and GPA
- Assistance to MCDBY and GPA team in conduction of audits and claims

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#### 4. Duration of the Project:

The entire project is proposed to be implemented in phased manner over the period of **two (2) Years**-

**Phase I (1<sup>st</sup> Year)** – Application Development and Procurement of Infrastructure

**Phase II (2<sup>nd</sup> Year)** – Application Support and Maintenance

#### 5. Detailed requirement of Technical Manpower and their Financial Implication, submitted by SI&PF Dept. are as mentioned below-

(Amount in Rs.)

(Amount in Rs.)					
S. N.	Position	Resource Category (Role as per NICSI)	Unit Price Exclusive of Taxes/ NICSI O.M. @ 7 %	No. of Resou rces	Cost Annual
				Year - 1	Year-1
1	Team Lead	Consultant with <b>6-10</b> Years of Experience- Technology Category	2,75,000	1	33,00,000
2	Business Analyst	Consultant with <b>6-10</b> Years of Experience- Management Category	2,75,000	1	33,00,000
		Consultant with <b>3-6</b> Years of Experience- Management Category	2,35,000	1	28,20,000
3	App Developm ent Expert	Consultant with <b>6-10</b> Years of Experience- Technology Category	2,75,000	2	66,00,000
		Consultant with <b>3-6</b> Years of Experience- Technology Category	2,35,000	3	84,60,000
4	DB Expert	Consultant with <b>3-6</b> Years of Experience- Technology Category	2,35,000	2	56,40,000
5	Analytics Expert	Consultant with <b>6-10</b> Years of Experience- Technological Category	2,75,000	1	33,00,000
		Consultant with <b>3-6</b> Years of Experience- Technological Category	2,35,000	1	28,20,000
Sub Total				12	3,62,40,000
Add NICSI Charges 7%					25,36,800
Total					3,87,76,800
Add GST @ 18%					69,79,824
Grand Total					4,57,56,624
Say (Rs.)					457.57 Lakh

The total estimated cost of the proposed "IT Project Management Unit (IT-PMU)" **for one (1) year** is Rs. 457.57 Lakh.

#### Fund Management:

Expenditure would be met from the funds available with SI&PF Dept.

*Committee directed to consider the project as "Development PMU" rather than to IT-PMU and also directed to design & develop the project to cater all type of Accidental Insurance of State Government (like GPA, Police department etc) under a single portal.*

*Keeping in view of the fact of urgency of work, technical approval has already been accorded on file.*

**The Committee accords ex-post-facto technical approval (along with above mentioned directions) on the proposal having estimated cost of Rs. 457.57 Lakh for one (1) year for "IT-PMU".**



# **GOVERNMENT OF RAJASTHAN** **Department of Information Technology & Communication**

## **11. Project : (A) Establishing English Language Lab in 7 Govt. Colleges (B) Library Computerization in 10 Govt. Colleges by College Education Dept.**

The Committee was briefed about both the project proposals as mentioned below-

### **(A) Establishing English Language Lab in 7 Govt. Colleges:**

Govt. of Rajasthan has taken the initiative to establish English Language Lab (ELL) in 7 Govt. Colleges of the State. In remaining Govt. Colleges ELL will be established in coming years in phased manner. It desires to support its students and staff in degree and post-graduate education by providing software based English Language skills (LSRW model) through establishment of English Language Labs (ELLs). These Labs should also support competency based training in communication skills in English and professional development programs.

The colleges selected for the first phase implementation of the ELLs do not possess proposed kind of dedicated ELL. Presently colleges has a computers which are used for other purposes like administration, accounts etc. so cannot be used for purpose of ELL.

ELLs will be established in the state colleges (Raj. College Ajmer, Raj. College Bikaner, Raj. College Bharatpur, Raj. College Kota, Raj. College Jaipur, Raj College Jodhpur and Government Girls College, Udaipur) located at seven divisional headquarters of the state. To get knowledge of English language, A lab of 21 computers (1 Server + 20 Desktop) will be set up in the English Language Lab, in which English Language Lab Software will be installed, 1 Multi-Functional Printer and 1 LED Projector will also be installed for this Lab and Networking will be done as well as an Instructor for 1 year, Which will give training to the lecturers and students of the college. After one year, the concerned college from its college development committee can appoint them. For this, a provision of Rs. 20.00 lakh has been made per college. Other civil and electrical work for lab room will have to be done by the college on its own. In this way, Rs. 140.00 Lakh will be spent for English Language Lab (ELL) at the rate of Rs. 20.00 Lakh per Lab for seven (7) colleges.

### **Structure of Proposed English Language Lab:**

a. ELL will be comprising of following IT Hardware:

S.N.	Item	Quantity
1.	Server (As teacher Console)	1
2.	Desktop (As Student Console)	20
3.	Multifunctional Printer	1
4.	LCD Projector with screen	1
5.	Networking	

b. ELL Software Platform and Content Delivery Mechanism of each lab-

### **1. Scope of Project (with estimate expenditure):**

S. No.	Activities	Funding Agency	Executing Agency	Estimated Time	Estimated Expenditure*	Deliverables
1.	English Language S/w with delivery mechanism	CCE	CCE/ RISL	2 Months	36.00 Lakhs	ELL S/w and content delivery mechanism (Instructor for 1 Year)

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S. No.	Activities	Funding Agency	Executing Agency	Estimated Time	Estimated Expenditure*	Deliverables
2.	Hardware Procurement & Installation for ELL	CCE	CCE/ RISL	2 Months	104.00 Lakhs	IT H/w and established ELL with LAN etc.(List enclosed)
<b>TOTAL</b>					<b>140.00 Lakhs</b>	

#### Detailed requirement of ICT items and its' Financial Implication for Establishment of ELL submitted by College Education Dept.:

(Amount in Rs.)

S. N.	Equipment	Qty. Per College in Nos.	Total Qty. (in Nos.)	Onsite OEM Warranty Duration (in yrs.)	Unit Cost	Total Cost for 7 Colleges	Total Cost per College
1	Desktop	20	140	3	50000	7000000	1000000
2	Server	1	7	3	100000	700000	100000
3	MFP	1	7	3	30000	210000	30000
4	Projector with Screen	1	7	3	50000	350000	50000
5	UPS 1 KVA	21	147	3	5000	735000	105000
6	Headset	21	147	3	1000	147000	21000
7	Webcam	21	147	3	3000	441000	63000
8	English Language Software (20 Users per college)	1	7	3	300000	2100000	300000
9	Instructor and Computer Assistants	1	7	1	300000	2100000	300000
10	Networking & Installation	1	7	3	31000	217000	31000
<b>Grand Total</b>						<b>1,40,00,000</b>	<b>20,00,000</b>

\*Observation/ view of Technical Committee (T.C.) of Dept. of IT&C is attached as **Annexure-"B"**.

#### **(B) Library Computerization in 10 Govt. Colleges:**

At present, the work of library computerization in government colleges has been done through Dept. of IT&C in 27 Government Colleges. For this, a web application "**e-Library**" is prepared by DoIT, by giving Login ID Password. Now the other colleges can use the same web based software by getting the User ID for the Application and their Library Computerized by keeping Manpower at their level. No cost will be charge for development of the software. For this work, 10 Government Colleges have been selected where there are more than 12 thousand books and the total number of books is about 2 lakh. This work is to be done in 10 Government Colleges (Bayana, Ratangarh, Suratgarh, Bhinmal, Bhawanimandi, Lalsot, Salumbar, Deoli, Commerce College, Kota and Law College, Sikar). In this, each college will be given **2 Desktop, 1 MFP, 2 UPS, 1 Barcode printer and 2 Barcode scanner**. Data entry will be done at the rate of Rs. 10.00 per book. **FMS Support** will also be kept for one (1) year. Therefore, in this way, a total of Rs. 60.00 Lakh will be spent at the rate of Rs. 6.00 Lakh per college.

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## **Scope of Project:**

(Rs. in Lakh)					
S.N.	Activities	Funding Agency	Executing Agency	Estimated Time	Estimated Expenditure
1.	Data Entry of Books	CCE	CCE/ RISL	2 Months	2.00
2.	H/w Procurement	CCE	CCE/ RISL	2 Months	1.60
3.	FMS Services	CCE	CCE/ RISL	1 Year	2.40
Cost per College					6.00

## **Requirement of ICT Item and their Financial Implication for Library Computerization submitted by College Education Dept.:**

(Amount in Rs.)							
Item No.	Equipment	Qty. Per College in Nos.	Total Qty. in Nos.	Period of Onsite OEM Warranty (in yrs.)	Unit Cost	Total Cost for 7 Colleges	Total Cost per College
1	Desktop with three (3) year warranty	2	20	3	50000	1000000	100000
2	MFP	1	10	3	25000	250000	25000
3	UPS 600 VA	2	20	3	2500	50000	5000
4	Barcode Printer	1	10	3	15000	150000	15000
5	Barcode Scanner	2	20	3	7500	150000	15000
6	Cost of Data Entry	20000	200000	1	10	2000000	200000
7	FMS Support	1	5	1	240000	2400000	240000
<b>Grand Total</b>						<b>60,00,000</b>	<b>6,00,000</b>

\*Observation/ view of Technical Committee (T.C.) of Dept. of IT&C is attached as **Annexure-"B"**.

- Estimated Project Cost **per College** for Library Computerization is Rs. 6.00 Lakh.
- Estimated **Total Cost** for Library Computerization for 10 Colleges is Rs. 60.00 Lakh.

## **List of Government Colleges where Library Computerization to be done:**

S. No.	District	Name of Government College	No. of Books (Approx.)
1	Bharatpur	Govt. College, Bayana	18147
2	Churu	Govt. College, Ratangarh	16430
3	Dausa	Govt. College, Lalsot	13444
4	Ganganagar	Govt. College, Suratgarh	27433
5	Jalore	Govt. College, Bhinmal	26500
6	Jhalawar	Govt. College, Bhawanimandi	14119
7	Kota	Govt. Commerce College, Kota	28676
8	Sikar	Govt. Law College, Sikar	15000
9	Tonk	Govt. College, Deoli	25930
10	Udaipur	Govt. College, Salumber	13121
<b>Total No. of Books (Approx.)</b>			<b>198800</b>



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**Financial Implication:**

The collectively total estimated cost of the project(s) is Rs. 200.00 Lakh

**Fund Management:**

Expenditure would be met from the funds made available with College Education Dept.

*The Committee discussed both the proposal(s) in detail and agreed with the same; and further directed for the proposal of "Establishment of English Language Lab (ELL)" that enhance the size of hardware and application software to utilize ELLs for teaching/ training in various other institutions like Mahatma Gandhi English Medium Schools etc.*

**The Committee accords technical approval for both the projects having collectively the estimated cost of Rs. 200.00 Lakh.**

**12. Project : Procurement of Computer Hardware & Allied item(s) by Tribal Area Development (TAD) Dept.**

The Committee was briefed about the project proposal. Tribal Area Development (T.A.D.) Dept. intends to IT-Strength the ICT infrastructure available at its various tribal hostels.

Hostel and Scheme Monitoring System (HSMS) has been implemented for effective monitoring of all tribal hostels/ residential schools/ sports hostels/ Eklavya model residential schools, run by Tribal Regional Development Department; in which various modules like Hostel Management, Inspection, Ration Demand, Online Admission, Inventory/ Stock Management, Hostel Infrastructure, Student Profile, Academic and Sports Records, Attendance, Uniform and Stationary DBT, Hostel Expenditure, Human Resource etc. are included.

Earlier Computer hardware, All-In-One Printer, Biometric Machine, UPS etc. have been installed in 390 tribal hostels for effective operation of all the above mentioned modules and Departmental schemes.

At present, 33 hostels have been transferred by the Social Justice and Empowerment Department to the Tribal Area Development Department. Also 54 new hostels have been constructed by TAD department in the last 3 years. Therefore, it is proposed to install computer hardware, all in one printer and UPS etc. in total 87 tribal hostels / residential schools / sports hostels / Eklavya model residential schools. So that better implementation of Hostel and Scheme Monitoring System (HSMS) and departmental schemes can be done.

**Requirement of ICT item submitted by TAD Dept. are as mentioned below:**

				(Amount in Lakh)
S.N.	Hardware Description	Qty. in Nos.	Unit Price	Total Amount
1.	i3 Desktop Computer	87	58000	50.46
2.	MFP Printer	88	21000	18.48
3.	UPS	88	3500	3.08
<b>Total</b>				<b>72.02</b>

\*Observation/ view of Technical Committee (T.C.) of Dept. of IT&C is attached as **Annexure-"C"**.

*(Handwritten signature/initials)*



सूचना प्रौद्योगिकी और संचार विभाग

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**Financial Implication**

The Estimated cost of the project is Rs. 72.02 Lakh.

**Fund Management:**

Expenditure would be met from the funds available with TAD Dept.

*After detailed discussion, the Committee agreed on the proposal; with direction to prepare a template for similar type of hardware requirement arises in future for Residential Schools/ Hostels of TAD Dept., Social Justice & Empowerment Dept., Minority Affairs Dept. etc., so that for such similar requirements, department need not to send the proposal to DoIT&C for SeMT/technical approval.*

**The Committee accords technical approval on the proposal having estimated cost of Rs. 72.02 Lakh.**

**13. Project : Application revamping, enhancement & maintenance for integrated e-Panchayat application by Rural Development Dept.**

The Committee was briefed about the project proposal. The Rural Development & Panchayati Raj Dept. (RD&PR) of Rajasthan, as a part of their envisioned strategy intend to improve the efficiency of PRIs in the State through Web and Mobile applications which will cover all the aspects and schemes. The revamped IT platform shall enable the decision makers to view the details of various schemes of the department on one platform. The platform shall serve as a unique source of information for various schemes of the department, integrate various other data sources and scheme related information.

In this context, RD&PR Dept. had requested DoIT&C/ RISL to facilitate the revamping of existing Web and Mobile application which shall be used as a single platform for the department schemes and activities.

In order to revamp the existing integrated e-Panchayat solution a high-level system study has been conducted to evaluate feasibility of the revamped IT solution. Now, DoIT&C/ RISL proposes to seek application development and maintenance services for years from the leading service providers, having relevant experience.

**Scope of Work:**

The scope of work broadly covers:

- Design and development of RD&PR application as per requirement and integration with standard platforms of GoR
- Development of Dashboard platform
- Development of RD&PR Mobile application(s)
- Operations & Maintenance (O&M) of RD&PR Application for 3 years

**For this, it is proposed that RFP may be floated through RISL for selection of Technology service provider through an open bid procedure for Design, Development, Operation and Maintenance of the RD&PR application for a total project period of 4 years.**

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		(Amount in Rs.)
S. No.	Description	Total Cost (Incl. GST @ 18%)
1	Revamping, enhancement & maintenance of existing Integrated e-Panchayat application for a total project period of 4 years (including Consulting service charges @ 5% amounting Rs. 18,40,800/-)	3,86,56,800
3	Contingency charges @ 2% (excluding Consulting service charges @ 5% amounting Rs. 18,40,800/-)	7,36,320
4	<b>Sub Total</b>	<b>3,93,93,120</b>
5	RISL Service Charges @ 10%	39,39,312
6	GST on RISL Service charges @ 18%	7,09,076
7	<b>Total Project Cost</b>	<b>4,40,41,508</b>

**Financial Implication**

The Estimated cost of the project is Rs. 440.42 Lakh (inclusive of GST).

**Fund Management:**

Expenditure would be met from the funds available with Rural Development & Panchayati Raj Dept.

*The Committee discussed the proposal and directed for use of a single IT platform for "Urban Employment Guarantee Programme" as well as state funded Rural Programme (over and above NREGS).*

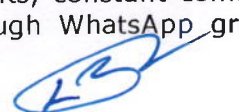
**The Committee accords technical approval on the proposal having estimated cost of Rs. 440.42 Lakh (inclusive of GST).**

**14. Project : Procurement of Desktop, Printer, CCTV Camera System and LED TV for Rajiv Gandhi Yuva Mitra Internship Program (RYMP) by Directorate of Economics & Statistics (DES)**

Rajiv Gandhi Yuva Mitra Internship Program (RYMP) is a unique internship program of Rajasthan Government which allows the young minds to participate in the development of the state. This is an internship program designed for hardworking and promising youth of the state to teach them the harmony between the government and the common man. These young interns are acting as a bridge to the government to solve the real problems of the people and to develop a sensitive approach towards implementation of government schemes and programs.

Total 2500 interns are being engaged under the Rajiv Gandhi Yuva Mitra Internship Program which is being implemented by constituting a Rajiv Gandhi Yuva Core (RYC) that has three components viz. Rajiv Gandhi Yuva Mitra Coordinator (RYMC), Rajiv Gandhi Yuva Mitra (RYM) and Rajiv Gandhi Yuva Volunteers (RYV).

The RYMCS and RYMs work with the residents and their works are monitored through a web portal based application. RYMCs and RYMs are in constant communication with the residents and feed their reports into the system for analysis through online application. Through this application, by creating groups of residents, constant communication is maintained with them in various ways such as through WhatsApp group, Twitter, Facebook, SMS and video conferencing.



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For successful implementation of the RYMP, an exclusive helpdesk will work at every District, Block and ULB levels. This requirement of one desktop and one printer for MIS and analysis of the huge data generated by the entire RYMP. Therefore the procurement of the Desktops and printers has been proposed.

#### Requirement of desktops, printers, LED screens and CCTV systems and financial implications-

Items	State Level	District level	Block level & ULB	ULB level	Total	Total Estimated Cost (in Rs.)
Desktop PC	200	33	352	40	625	43750000
Printers (MFP)	10	33	352	40	438	10875000
CCTV system	2 systems of 8 Channel each		352 4-channelled system	40 4-Channelled system		19800000
LED Screen (65" and above)	10				10	1200000s
					<b>Total</b>	<b>75625000</b>
					<b>Say Rs.</b>	<b>756.25 Lakh</b>

Technical specifications for above items may be taken up from the rate contract already in process with RISL.

#### Financial Implication:

The estimated cost of the above items is Rs.756.25 lakh. The budget head of the procurement is 3454-02-205-(04)-(01)-62 (Computerization and related Communication work).

#### Fund Management:

A requisite budget has been allotted in the current Budget-2022-23 to the Directorate of Economics and Statistics through which this procurement is being proposed to be executed.

**The Committee discussed the proposal in detail and directed to re-submit the proposal being prepared in more precise manner.**

Meeting ended with a vote of thanks to the chair.

This bears the approval of competent authority.

  
**(Sandesh Nayak)**  
 Commissioner &  
 Joint Secretary, IT&C

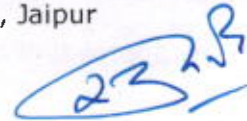
#### Copy for information and necessary action to:

1. P.S. to Principal Secretary, Finance Dept., Rajasthan, Jaipur
2. P.S. to Principal Secretary, Dept. of IT&C, Rajasthan, Jaipur
3. P.S. to Principal Secretary, Tribal Area Development (T.A.D.) Dept., Raj., Jaipur
4. P.S. to Principal Secretary, Agriculture Dept. & Chairman, RSWC, Jaipur
5. P.S. to Secretary, Higher & Technical Education Dept., Rajasthan, Jaipur
6. P.S. to Secretary, Rural Development Dept. Rajasthan, Jaipur
7. P.S. to Secretary, Planning Dept., Rajasthan, Jaipur

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8. P.S. to Commissioner, College Education, Rajasthan, Jaipur
9. P.S. to Managing Director, RSWC, Bhawani Singh Road, Jaipur
10. P.S. to Director, Tribal Area Development (T.A.D.) Dept., Rajasthan, Udaipur
11. P.S. to Commissioner & Joint Secretary, Dept. of IT&C, Rajasthan, Jaipur
12. P.S. to Director, State Insurance & Provident Fund Dept., Bani Park, Jaipur
13. P.S. to Director & Joint Secretary, Directorate of Economics & Statistics, Jaipur
14. P.A. to Joint Secretary (Expenditure-III), Finance Dept., Raj., Jaipur
15. P.A. to Director (Technical), RajCOMP Info Services Limited, Jaipur
16. P.A. to Director (Finance), RajCOMP Info Services Limited, Jaipur
17. P.S. to DDG & SIO, NIC, Rajasthan, Jaipur
18. Smt. Poonam Choudhary, Chief Accounts Officer, Dept. of IT&C, Jaipur
19. Shri Anil K. Singh Group General Manager (T), RajCOMP Info Services Ltd., Jaipur
20. Shri R.L. Solanki, Technical Director, RajCOMP Info Services Ltd., Jaipur
21. Shri Sushil Parihar, Technical Director, Dept. of IT&C, Jaipur
22. Shri R.K. Sharma, Technical Director, Dept. of IT&C, Jaipur
23. Smt. Jyoti Luhadiya, Additional Director, Dept. of IT&C, Jaipur
24. Shri Rajesh Kumar, Additional Director, Dept. of IT&C, Jaipur
25. Shri Rajesh Gupta, Additional Director, Dept. of IT&C, Jaipur
26. Shri Suneel Kumar Bansal, Addl. Director, SI&PF Dept., Vitt Bhawan, Jaipur
27. Shri C.P. Singh, General Manager (Technical), RajCOMP Info Services Ltd., Jaipur
28. Shri G.K. Sharma, General Manager (T), RajCOMP Info Services Ltd., Jaipur
29. Ms. Sonia Chaturvedi, System Analyst (Joint Director), Dept. of IT&C, Jaipur
30. Smt. Rajshree Sankhla, S.A. (JD), Directorate of Economics & Statistics, Jaipur
31. Shri Pawan Kumar Jangid, System Analyst (Joint Director), Dept. of IT&C, Jaipur
32. Shri Giriraj Kumar Katheeria, System Analyst (Joint Director), TAD Dept., Udaipur
33. Shri Vijay Prakash, System Analyst (Joint Director), Dept. of IT&C, Jaipur
34. Dr. Yuvraj Singh Gurjar, System Analyst (Joint Director), Dept. of IT&C, Jaipur
35. Shri Mukesh Kumar Sharma, S.A. (Joint Director), Dept. of IT&C, Jaipur
36. Shri Umesh Chand Joshi, S.A. (Joint Director), Dept. of IT&C, Jaipur
37. Shri Sitaram Swaroop, Joint Director, JanAadhaar, Planning Dept., Jaipur
38. Dr. Sandeep Kumar, Asst. Professor & Nodal Officer (IT), College Education Dept.
39. Shri Veerendra Kumar Jain, Manager (Technical), RISL, Jaipur
40. Shri Banphool Agarwal, ACP (Dy. Director), College Education Dept., Jaipur
41. Shri Shailendra Sharma, ACP (Dy. Director), RSWC, Bhawani Singh Road, Jaipur
42. Shri Vijay Kumar Kanugo, Dy. Manager (Technical), RISL, Jaipur
43. Director, LNMIIT, Jaipur
44. Guard File.



**(Sushil Parihar)**  
Technical Director

**GOVERNMENT OF RAJASTHAN**  
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**Annexure-"A"**

**92<sup>nd</sup> Meeting of SeMT held on 26-05-2022 - List of Attendees**

S. No.	Name of officer	Designation
1.	Shri Akhil Arora	Principal Secretary Finance/ Dept. of IT&C, Raj.
2.	Shri K.K. Pathak	Secretary, Rural Development Dept., Jaipur
3.	Shri Mahesh Chandra Sharma	Managing Director, RSWC, Jaipur
4.	Shri Sandesh Nayak	Commissioner & Joint Secretary, Dept. of IT&C
5.	Shri Ngikya Gohain	Joint Secretary, Tribal Area Dev. Dept., Jaipur
6.	Smt. Kalpana Agarwal	Director, SI&PF Dept., Jaipur
7.	Shri H.K. Juneja	Joint Secretary (Exp.-III), Finance Dept., Jaipur
8.	Shri Vishwas Pareek	Executive Director, RSWC, Jaipur
9.	Shri Jitendra Kumar Verma	SIO, NIC, Rajasthan, Jaipur
10.	Smt. Poonam Chaudhary	Chief Accounts Officer, Dept. of IT&C, Jaipur
11.	Shri Amit Agarwal	Senior Technical Director, NIC, Rajasthan, Jaipur
12.	Shri Sushil Parihar	Additional Director, Dept. of IT&C, Jaipur
13.	Shri R.K. Sharma	Additional Director, Dept. of IT&C, Jaipur
14.	Shri Rajesh Kumar	Additional director, Dept. of IT&C, Jaipur
15.	Shri Suneel Kumar Bansal	Additional Director, SI&PF Dept., Jaipur
16.	Shri C.P. Singh	General Manager (Technical), RISL, Jaipur
17.	Shri G.K. Sharma	General Manager (Technical), RISL, Jaipur
18.	Ms. Sonia Chaturvedi	S.A. (Joint Director), Dept. of IT&C, Jaipur
19.	Shri Pawan Kumar Jangid	S.A. (Joint Director), Dept. of IT&C, Jaipur
20.	Shri Vijay Prakash	S.A. (Joint Director), Dept. of IT&C, Jaipur
21.	Dr. Yuvraj Singh	S.A. (Joint Director), Dept. of IT&C, Jaipur
22.	Shri Sitaram Swaroop	Joint Director, Jan-Aadhaar, Planning Dept.
23.	Dr. Sandeep Kumar	Asst. Professor & Nodal Officer-IT, College Education
24.	Shri Anant Jain	Statistical Officer, Planning Dept.
25.	Shri Sanjay Sharma	Executive Engineer, Panchayati Raj & Rural Dev. Dept.
26.	Shri Mukesh Kumar Sharma	A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
27.	Shri Umesh Chand Joshi	A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
28.	Shri Rajkumar Singh	A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
29.	Shri Shailendra Sharma	A.C.P. (Dy. Director), RSWC, Jaipur
30.	Shri Gopal Lal Raigar	SO, Tribal Area Development (TAD) Dept.
31.	Shri Arvind Kumar	SO, Directorate of Economics & Statistics, Jaipur
32.	Shri Natwar Singh	Programmer, Dept. of IT&C, Jaipur
33.	Shri Ravi Panwar	Programmer, Panchayat Raj Dept.
34.	Shri Anil Kumar Goyal	Programmer, Tribal Area Dev. (TAD) Dept.
35.	Shri Nikhil Meena	Assistant Programmer, Dept. of IT&C, Jaipur

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**Annexure-"B"**

Observation/ view/ minimum technical specification suggested by Technical Committee (T.C.) of Dept. of IT&C for the Project proposals of (A) Establishing English Language Lab in 7 Govt. Colleges, and (B) Library Computerization in 10 Govt. Colleges; submitted by College Education Dept. are as follows:

**1. Desktop Computer:**

Item	Minimum Technical Specifications
Processor	Intel Core i5 (11 <sup>th</sup> Generation) or higher/ AMD Ryzen 5 or higher with minimum 6 Core, 2.7 GHZ (Base Frequency) or higher, 12 MB Cache or higher
Ranking	Should be in IDC 5 ranking in any quarter in last 3 years
Chipset	OEM Compatible Chipset
Graphic	Integrated HD Graphic
Memory	8 GB DDR4 RAM, 2666 MHz or Higher expandable up to 64 GB
Storage	1 TB 7200 SATA HDD
Display	OEM 19 inch (or higher) HD Color Monitor with 1600*900 or Higher resolution and internal speaker, TCO 8.0 certified
Keyboard-Mouse	OEM USB Keyboard (104 Keys) & OEM Optical Scroll Mouse with mouse pad.
I/O Port (Minimum)	6 USB Ports out of which min 2x3.0, HDMI Port, Audio Jack for Headphone & Mic, 1-Display Port/DVI/VGA, Integrated Card Reader
Network and Connectivity Features	10/100/1000 on board integrated network port. Integrated Wi-Fi and Bluetooth connectivity features.
Accessories	All necessary cables (power and data cables), Dust cover for CPU, Monitor & Keyboard etc.
Operating System	Windows-10 or higher Professional- 64 Bit Original (Academic Version) STF
Office Suit	MS Office Professional Academic (Pre-installed)
Preloaded Content	Department will provide e-content of about 100 GB, same should be preloaded in to the Desktop.
Headphone	Adjustable Headband with rotating microphone along with noise cancellation and 3.5MM audio jack wired connection.
Certification:	RoHS compliance, ISO OEM
Warranty:	3 years comprehensive on-site warranty.

**2. Server/ Master Computer for Instructor:**

Item	Minimum Technical Specifications
Processor	Intel i5/ AMD Ryzen-5 (11 <sup>th</sup> Generation/ equivalent AMD) 6 Core, with minimum 3.0 GHZ or higher (Base Frequency), 12 MB Cache or higher
Ranking	Should be in IDC 5 ranking in any quarter in last 3 years
Chipset	Compatible Intel/ AMD Chipset
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD
Graphics	Integrated Graphics Card

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Item	Minimum Technical Specifications
Office Suite	MS Office Professional Academic (Pre-installed)
Memory (RAM)	16 GB DDR4 2666/ 2933 MHz or higher expandable up to 64 GB
Storage	1 TB 7200 RPM SATA Drive and 256 GB SSD
Audio	Integrated audio controller with internal speaker
Office	Preloaded with MS Office Home/ Business latest version
Ports	Minimum 6 USB ports with at least 2 USB 3.0 or higher ports, 1- VGA, HDMI (Video ports should be function in spite of installation of graphic card if required), audio jack for headphone & microphone
Display	Minimum 21.5" inch or higher, Resolution 1600x900 or higher Display, TCO Certified 8.0
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ Quick Heal/ Symantec/ Sophos/ Kaspersky with minimum 3 years subscription
Certification	ROHS, ISO OEM
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
Accessories	All necessary cables (Power & data cables), 3 Mtr CAT 6 patch cord to be included
Warranty	3 years comprehensive on-site OEM warranty

### 3. Multifunction Laser Printer:

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	Monochrome laser
Print Speed (Minimum)	20 PPM (Mono)
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	128 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 BMP 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	Pre install, Composite Cartridges
Additional Toner Cartridge	OEM should supply 1 company packed additional Cartridge along with printer
Compatible operating Systems	Windows 7 , 8 , 10 and Linux- Ubuntu
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/DVD
Certifications	BIS, ROHS
Warranty	3 Years comprehensive onsite OEM warranty

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#### 4. Projector:

Item	Minimum Technical Specification
Resolution (Min.)	WXGA (1280 x 800)
Technology	3LCD
Lumens	Min 3300 Lumens with Equal White and Color Light Output
Aspect ratio (Min.)	16:9/ 16:10
Contrast ratio	15000:1
Light Source Life	8,000 hours or higher and in eco mode 10000 hours or higher
Sharing	Wireless screen share with Mobile & PC
Accessories	Ceiling mount kit, HDMI Cable (15 Meters)
Input	D-Sub 15 Pin: 1, Stereo mini jack audio in, Composite in, HDMI in, VGA in, RGB in
Output	Stereo mini jack audio out, RGB out, HDMI/ VGA out
Connectivity	Wireless LAN, Wired Network, RS-232C, USB
Others	Ultra-Short Throw large projection screen size
Plug & Play Feature	USB plug & tor play
Warranty	Warranty for three years

#### 5. UPS 1 KVA:

Item	Minimum Technical Specifications
UPS Capacity	1 KVA
Protection	Full Protection
voltage	230V +-10%
Range	160V - 280V
Power factor	0.7 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 1.5 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, ROHS
Test report	OEM should submit test report for the quoted model issued by state/ central laboratory (not old from last 5 Years)
Warranty	3 years comprehensive on site OEM warranty

#### 6. Web Camera:

Item	Minimum Technical Specifications
Device Type	Plug & Play Web Camera
Connectivity Technology	Wired
Resolution	Minimum optical 2 MP and Shall support 1080 video capture at 30 fps
Video	HD 720 P/30 FPS
Image Sensor	CMOS
Features	Clear and richer picture with 5G/>=60 degree wide angle Lens, brightness controller, digital zoom
OS Support	Windows, Mac and Linux
Video Input	Color
Audio	Built-in mics with auto noise reduction

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Interfaces	USB 2.0 and Above Connector
Cable Details	USB Cable min 1 Meter
Certification	ISO/ RoHS Compliance
Warranty	5 years comprehensive on-site warranty.

### 7. UPS 600 VA:

Item	Minimum Technical Specifications
UPS Capacity	600 VA
Protection	Full Protection
voltage	230V +-10%
Range	160V - 280V
Power factor	0.6 or higher
Back up time	30 Minutes backup on 1 PC (Inbuilt Batteries)
Indicator	Mains On/ On Battery/ Low Battery/ Fault/ Overload
Plug and cable	Input cable of 1.5 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, ROHS
Test report	OEM should submit test report for the quoted model issued by state/ central laboratory (not old from last 5 Years)
Warranty	3 years comprehensive on site OEM warranty

### 8. Barcode Printer:

Item	Minimum Technical Specification
Compatible Devices	Laptops and PC
Connectivity Technology	USB
Printing Speed	100mm/sec (4ips) or higher
Printer Output	Monochrome
Resolution	200dpi
Printer Technology	Direct Thermal printing
Printer Type	Portable
Certifications	BIS, RoHS, ISO 9001 & 45001 for OEM
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	1 years comprehensive on site OEM warranty

### 9. Barcode 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, ISO 9001 & 45001 for OEM
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	1 years comprehensive on site OEM warranty

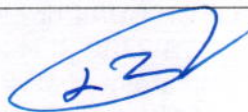
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**10. ELL Software:**

S.No.	Minimum Requirement/ features
Client Software (if any) shall be compatible with Windows 10	
<b>Software shall have Teacher Console with features for following</b>	
1	Organizing session timings and corresponding locations
2	It should enable teachers to run an impressive range of language learning exercises and activities and support their students
3	Notifies a teacher when a student logs in
4	Facilitate registering of the students with branch and course
5	Ability to send selected lessons to selected students
6	Monitor student activities
7	Create their own study materials with the help of advanced tools and play the lessons
8	Enhance the learning process by combining audio or video files with text explanations, using the Media player and text file viewer
9	Added lessons should be embedded and be part of the pronunciation, software / module accessed by the student. All the features like wave comparison should be functional and understandable by teacher and student
10	Examination: Have purely network based examination system and it should itself jumble the questions from the given question bank. Faculty may assign time limit for each of the test
11	Teachers and students should be able to interact (speaking /listening/text) using headset with built-in microphone. Either for a single student or a group of student or whole class.
<b>Software shall have Student Console with features for following</b>	
1	Listen to model pronunciations or questions; repeat/answer/record the same if required. Listen to his performance and compare the same
2	Get the pre-recorded lessons from the Teacher console after logging in
3	Downloads the respective recorded lessons for the session on to the student system
4	Save recorded, typed files for teacher to hear and observe, evaluate and assessment.
5	Get effective guidance and individual attention from the teacher.
6	Access to all dictionaries available on teacher console
7	Phonetic symbols animated with added examples.
8	Subtitle -The system should allow both the teacher and students to use any audio or video file as content
9	Comparing the recorded sound with pre-recorded message in the phonetics database
10	Tense Tester- Elementary, Intermediate and Advance Interactive Grammar program for English language learning Tool should allow learners to improve their ability in choosing the correct tense in English. All tenses, as well as modal verbs are tested. Should give detailed score. Feedback with correct grammar use. Result tracking and follow up quiz to check learner's comprehension. Large test bank should be present
<b>Language Skills</b>	
1	Enhance student's capabilities of using English in everyday communication situations
2	Provide the student with an opportunity to test his or her language skills and perfect the LSRW skills

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3	Course shall be designed such that student can courses can help students in various competitive examinations like civil services, state services, Bank PO & clerical, Army, CDS, SSC
4	Course shall be designed to help students aspiring for further higher education abroad like GRE, TOEFL, ILETS, GMAT and helpful in campus placement exams
<b>Soft Skills</b>	
Train students in crucial soft skills to help them succeed in recruitment process. The courses like personality development, group discussions, time management, interview skills, Entrepreneurship skills etc.	
<b>Aptitude Skills</b>	
Course shall provide required concepts and ample practice aptitude tests and analysis of GD, interviews and presentation skills	
<b>Other features</b>	
1	Psychometric Assessment and a detailed profile of student strength Assessment
2	Offline Software (LAN)
3	Online Software (Cloud Based)
4	Mobile Application, if required
5	Dashboard for Central Monitoring (Monthly Monitoring Reports)



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**Annexure-"C"**

Observation/ view/ minimum technical specification suggested by Technical Committee (T.C.) of Dept. of IT&C for the Project proposal of "Procurement of Computer Hardware & Allied item(s)" submitted by Tribal Area Development (TAD) Dept. are as follows:

**1. Desktop Computer (i3):**

Item	Minimum Technical Specification
Processor	Intel i3/ AMD Ryzen-3 (11 <sup>th</sup> Generation/ equivalent AMD or higher) 4 Core, with minimum 3.0 GHz or higher (Base Frequency), 6 MB Cache or higher
Chipset	Compatible Intel/ AMD Chipset
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD
Graphics	Integrated Graphics Card
Memory (RAM)	4 GB DDR4 or higher, Expandable up to 64 GB
Storage	1 TB 7200 RPM SATA Drive
Ports	Minimum 6 USB ports with at least 2 USB 3.0 ports, 1- VGA/ HDMI, audio jack for headphone & microphone
Display	Minimum 19.0" inch or higher, Resolution 1600x900 or higher Display, TCO Certified
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ Quick Heal/ Symantec/ Sophos/ Kaspersky with 3 years subscription
Certification	ROHS Compliance, ISO OEM
Keyboard & Mouse	OEM USB Keyboard & OEM USB two button optical Mouse With mouse Pad
Network Interface	Integrated 10/100/1000 GB Ethernet
Accessories	All necessary cables (Power & data cables) , 3 Mtr CAT 6 patch cord to be included
Warranty	3 years comprehensive on site OEM warranty

**2. MFP:**

Item	Minimum Technical Specification
Functions	Print, Scan, Copy
Printing Method	Monochrome laser
Print Speed (Minimum)	20 PPM (Mono)
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	128 MB or higher
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 BMP 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	Pre install, Composite Cartridges

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Additional Toner Cartridge	OEM should supply 1 company packed additional Cartridge along with printer
Compatible operating Systems	Windows 7 , 8 , 10 and Linux- Ubuntu
Cables/ Accessories	All the required cables, accessories
Software Media	Driver & Utility software CD/DVD
Certifications	BIS, ROHS
Warranty	3 Years comprehensive onsite OEM warranty

**3. UPS:**

Item	Minimum Technical Specifications
UPS Capacity	600 VA
Protection	Full Protection
User Display	Display for input & output voltage and battery charging
voltage	230V +-10%
Range	160V - 280V
Power factor	0.6 or higher
Back up time	30 Minutes backup on 1 PC (Inbuilt Batteries)
Indicator	Mains On/ On Battery/ Low Battery/ Fault/ Overload
Plug and cable	Input cable of 1.5 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 for OEM, ROHS Compliance
Test report	OEM should submit test report for the quoted model issued by state/ central laboratory (not old from last 5 Years)
Warranty	3 years comprehensive on site OEM warranty

#### End of Document####

