

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

No. F.5 (1388)/ DoIT/ Tech./ 2021/01302,

Dated: 22-02-2022.

**Minutes of 90<sup>th</sup> meeting of SeMT dated 16-02-2022**

The Ninetieth (90<sup>th</sup>) meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Principal Secretary, IT&C on 16<sup>th</sup> February, 2022 at 11:30AM through Video Conferencing. List of participants is enclosed at **Annexure -"A"**

Agenda Items discussed during 90<sup>th</sup> meeting of SeMT are indexed as follows:

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3	Hiring expert manpower services for Integrated Project Management Unit (IPMU) project related to State Anti-Fraud Unit's Software Development	Rajasthan State Health Assurance Agency (RSHAA)/ Medical & Health Dept.	3-4
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6	Appointment of State Level Agency (SLA) for 5 years to provide FMS & AMS for Web-based Solution for Election Management and Bifurcation and Preparation of Ward-wise Draft and Final photo electoral rolls of all PRIs & ULBs of the State based on ECI voter list database as updated & the claims and objections decided by the EROs, during General/ By-Elections	Rajasthan State Election Commission	6-7
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8	UDAN Management Information System (UMIS) for Women & Child Development (DWE) Dept.	Women & Child Development (DWE) Dept.	9-10



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The followings were discussed in the meeting :

**1. Project : Procurement of Computer Hardware & allied items for GIS Lab in Settlement Dept.**

The Committee was briefed about the proposal. Under Digital India Land Record Modernization Programme (DILRMP), a modern, comprehensive and transparent land records management system is being developed in the State. The major components of the project are computerization of all land records, digitization of maps and integration of textual and spatial data, survey resurvey, computerization of registration and its integration with the land records maintenance system, development of core Geospatial Information System (GIS) and capacity building.

At present, the Survey Resurvey activity is being carried out in 12 districts in the first phase with the aid of modern technologies of High Resolution Satellite Imagery and modern survey equipment like DGPS. As data base prepared under Survey Resurvey and Digitization activities are GIS based, therefore, the strengthening of GIS infrastructure is essential. At present, the 11 Settlement offices at Ajmer, Alwar, Bharatpur, Bhilwara, Bikaner, Jaipur, Jodhpur, Kota, Sikar, Tonk and Udaipur across the State are not well equipped in terms of computer infrastructure in general and GIS infrastructure in particular.

The strengthening of regional offices becomes even more necessary for facilitating them to download the data from DGPS machines which have recently been handed to them in compliance to the Budget Announcement No.195 for the Financial Year 2021-22.

Keeping in view, the budgetary provision under GIS Lab under State Plan for the Financial Year 2021-22, the process of procurement of Hardware for strengthening of existing infrastructure at the location of the 11 Divisional Level Settlement Offices and Settlement Commissionerate, Jaipur is to be initiated.

To check the work of implementing agencies, to conduct settlement operations with higher accuracy and to meet out the future departmental needs, the department intends to procure some hardware so that the existing infrastructure in these offices is strengthened.

**Requirement:**

Detailed requirement of ICT item(s) and its estimated financial implication submitted by Settlement Dept. is as mentioned below:

(Rs. in Lakh)

<b>(A) Detail of Computer H/w Items under GIS LAB for 11 Divisional Settlement Offices</b>					
S. N.	Items	Qty.	Total For 11 Offices	Estimated Unit Cost	Estimated Total Cost
1	High end Desktop Computer, Processor Xeon, OS Windows 10 (64 bit) or better 16 GB RAM	1	11	1.50	16.50
2	21" LED Monitor	1	11	0.10	1.10
3	A3 Colour (MFP) Printer	1	11	1.00	11.00
4	A4 Black & White MFP	1	11	0.20	2.20
5	Laptop	1	11	1.00	11.00
6	U.P.S. 5 KVA (online)	1	11	1.00	11.00
7	Computer Table and Chair	1	11	0.50	5.50
<b>Total (A)</b>					<b>58.30</b>



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<b>(B) Detail of Computer H/w Items under GIS LAB for Settlement Dept.-H.Q.</b>				
S. N.	Items	Qty.	Estimated Unit Cost	Estimated Total Cost
1	High end desktop Computer, Processer Xeon, OS Windows 10 (64 bit) or better, 32 GB RAM	2	3.00	6.00
2	27" LED Monitor	2	0.40	0.80
3	A3 Colour (MFP) Printer	2	1.00	2.00
4	A4 Black & White MFP	2	0.20	0.40
5	Laptop	2	1.00	2.00
6	Computer Table and Chair	2	0.50	1.00
<b>Total (B)</b>				<b>12.20</b>
<b>Grand Total (A+B)</b>				<b>70.50</b>

Technical Specifications for above items are at **Annexure-"B"**.

**Financial Implication:**

Estimated cost of the proposed procurement is Rs. 70.50 Lakh.

**Fund Management:**

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

*Keeping in view of the fact of urgency of work, technical approval has already been accorded by Principal Secretary, IT&C as being the chairman of SeMT.*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 70.50 Lakh; subject to the availability and approval of funds from Finance Dept.**

**2. Project : Procurement of Computer Hardware under Pradhan Mantri Matru Vandana Yojana (PMMVY) submitted by Women & Child Development (ICDS) Dept.**

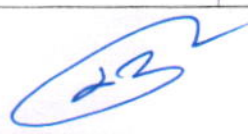
The Committee was informed about the proposal as Pradhan Mantri Matru Vandana Yojana (PMMVY) has been implemented across the Rajasthan State from 01-01-2017. The main objective of this scheme is to promote the use of appropriate practices, care and services during pregnancy, safe delivery and lactation period to improve the health and nutritional status of pregnant and lactating women and their young infants (0 to 6 months).

Under this scheme, till now the non-recurring expenditure has not been utilized.

Women & Child Development (ICDS) Dept. intends to procure computer h/w & allied items for the State & District level PMMVY cell.

**Detailed requirement of ICT item(s) and its estimated financial implication submitted by WCD/ ICDS Dept. is as mentioned below:**

					(Rs. in Lakh)
S. No.	Item	Qty. in Nos.	Approx. unit cost	Approx. Total cost	
(A)	<b>State Level-</b>				
1	All-in-One Desktop Computer (i-3 Series)	2	0.52	1.04	
2	Laptop (i-3 Series)	1	0.52	0.52	
3	Multi-Function Printer (MFP)	2	0.32	0.64	
<b>Total (A)</b>				<b>2.20</b>	



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(B)	District Level-			
1	All-in-One Desktop Computer (i-3 Series) 3 computer per district (33x3=99)	99	0.52	51.48 (The cost of UPS is included in this amount)
2	UPS 1 KVA (2 UPS per district 33x2=66)	66		
3	Multi-Function Printer (MFP) 1 MFP per district (33x1=33)	33	0.32	10.56
<b>Total (B)</b>				<b>62.04</b>
<b>Grand Total (A+B)</b>				<b>64.24</b>

Technical Specifications for above items are at **Annexure-"C"**.

**Financial Implication:**

Estimated cost of the proposed procurement is Rs. 64.24 Lakh.

**Fund Management:**

Expenditure would be met from the funds available with Women & Child Development (ICDS) Dept.

Looking to the funds available with the Dept., Committee directed to normalize the technical specification of the required ICT item(s), accordingly the specifications were revised.

*Keeping in view of the fact of urgency of work, technical approval has already been accorded by Principal Secretary, IT&C as being the chairman of SeMT.*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 64.24 Lakh; subject to the availability and approval of funds from Finance Dept.**

**3. Project : Hiring expert manpower services for Integrated Project Management Unit (IPMU) project related to State Anti-Fraud Unit's Software Development submitted by Rajasthan State Health Assurance Agency (RSHAA)/ Medical & Health Dept.**

The Committee was briefed about the proposal as Medical & Health Dept., GoR intends to setting-up an Integrated Project Management Unit (IPMU) for the prime purpose of State Anti-Fraud Unit's Software Development Work for Rajasthan State Health Assurance Agency (RSHAA).

Keeping in view for setting up the agency for fraud mitigation and creation of IPMU for program management separately, it would be appropriate to have a common Integrated PMU for ensuring cost effectiveness as well timely disposal of the matter.

An agency may be engaged instead of hiring of manpower, Selection of agency can be done through various modalities i.e. through NICS/ RISL or Open Tender.

Positions like IT-Manager & Data Analysts are proposed for State Anti-Fraud Unit (SAFU) relate activity/ analytics, considering sensitive matters related to fraud and heavy volume of high amount of claims under the scheme. These professionals shall work with close coordination with medical team in order to provide regular data analysis reports based of various triggers and software developed by IT-PMU team.

Quantification of proposed professionals has been examined by respective in charge in order to make it more effective.



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The hired person shall be responsible for the following:

- Create fraud triggers.
- Generate reports as and when required by department.
- Generate different analytical visuals.
- Implement security (authentication/ authorization) to provide role based access to stockholders.

#### Requirement of Manpower & Estimated Financial Implication:

(Rs. in Lakh)					
S. N.	Manpower Category	Profile/ Domain	Qty.	Duration in Month	Total Cost (Excl. GST)
<b>Project: Integrated Project Management Unit, RSHAA</b>					
1	Manager/ Data Analysts	Technology Profile	03	12	86.40
<b>Total Estimated Cost/ Expenditure (excluding GST)</b>					<b>86.40</b>

#### Fund Management:

RSHAA has made budgetary provisions for the setting up of IPMU. The cost for this manpower will be borne from the Administrative Fund provided by the National Health Mission (NHM).

*Keeping in view of the fact of urgency of work, technical approval has already been accorded by Principal Secretary, IT&C as being the chairman of SeMT.*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 86.40 Lakh (excl. GST).**

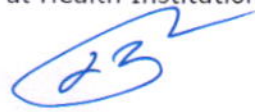
#### 4. Project : **Procurement of IT Equipment for strengthening of healthcare facilities of Rajasthan State submitted by National Health Mission, Rajasthan (Dept. of Medical Health & Family Welfare), GoR**

The Committee was briefed about the proposal. National Health Mission (NHM), Rajasthan has received funds from Govt. of India regarding procurement of IT equipment for strengthening of healthcare facilities of the State. Following are the brief details:

- Amount of INR 6298.60 Lakh for Desktop computer system, webcam, headphone and printer for Teleconsultation at Health & Wellness Centers (9731 locations)
- Amount of INR 2299.94 Lakh for IT equipment (Desktop computer systems, printers, webcam, bar code printer & scanner, biometric device etc.) for District Hospital, Sub-division Hospital, Satellite Hospital & some CHCs.

NHM intends to procure above IT equipment through open competitive bidding being launched shortly. In this regard, competent approval by State e-Governance Mission Team (SeMT) is requested for the specifications recommended by Technical Committee of NHM.

Desktop computer system, printer with teleconsultation/ VC equipment (webcam, headphone) are proposed for HWC Telemedicine infrastructure and IHMS/ HMIS (ECRP-II) equipment are proposed for presently IHMS is functioning at Health Institutions.



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**Requirements under the proposal are as mentioned below:**

(Rs. in Lakh)

S.No.	Item Name	Overall estimated cost of the procurement
1	Desktop Computer System	8598.54
2	Webcam, headphone	
3	Laser Printer	
4	DMP (Dot Matrix Printer)	
5	Webcam	
6	UPS	
7	Multi-Function Printer (MFP)	
8	Bar Code Printer	
9	Bar Code Scanner	
10	Biometric Device	
<b>Total Estimated Cost</b>		<b>8598.54</b>

Technical Specifications for above items are at **Annexure-"D"**.

**FINANCIAL IMPLICATION:**

Total Estimated cost of the project proposal is **Rs. 8598.54 Lakh**.

**Fund Management:**

National Health Mission Rajasthan, has received funds from GoI regarding procurement of IT equipment for strengthening of healthcare facilities of the State.

*Keeping in view of the fact of urgency of work, technical approval has already been accorded by Principal Secretary, IT&C as being the chairman of SeMT.*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 8598.54 Lakh.**

**5. Project : Procurement of Computer Hardware & Allied Item submitted by Rajasthan Khadi & Village Industries Board (RK&VIB)**

The Committee was briefed about the proposal. A budget announcement of Rs. 1.00 crore was made by Hon'ble Chief Minister under the Strengthening and Computerization of Khadi Institutions. RKVIB has already received amount of Rs. 1.00 crore from State Government.

Requirement of ICT items proposed by RKVIB is as follows:

S.N.	Item	Quantity in Nos.
1	Desktop Computer	138
2	Laser Printer	138
3	UPS	138

Technical Specifications for above items are at **Annexure-"E"**.

RKVIB also stated that quantity of the three aforesaid hardware items decided on the basis of prices mentioned in PPR submitted by RISL on 05-02-2021.

**Financial Implication:**

The estimated cost of the project is Rs. 100.00 Lakh.





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#### **Fund Management:**

Expenditure would be met from the funds available with Rajasthan Khadi & Village Industries Board (RK&VIB).

*Keeping in view of the fact of urgency of work, technical approval has already been accorded by Principal Secretary, IT&C as being the chairman of SeMT.*

**The Committee accords ex-post-facto technical approval on the proposal having estimated cost of Rs. 100.00 Lakh.**

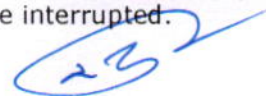
**6. Project : Appointment of State Level Agency (SLA) for 5 years to provide FMS & AMS for Web-based Solution for Election Management and Bifurcation and Preparation of Ward-wise Draft and Final photo electoral rolls of all PRIs & ULBs of the State based on ECI voter list database as updated & the claims and objections decided by the EROs, during General/ By-Elections submitted by Rajasthan State Election Commission (RSEC)**

The Committee was briefed about the proposal of RSEC. e-Suchi Software and Election Management Software created by the present State Level Agency (SLA) – Rajasthan Electronics & Instruments Limited (REIL) – an enterprise of GoI/ Jointly promoted by GoI and GoR - has been engaged since December, 2018 for execution the similar type of work as proposed under the recent proposal. At that time, the technical approval for the same was accorded for three (3) years duration in the 76<sup>th</sup> meeting of SeMT held on 27-11-2018.

The recent proposal is in nature of the further extension for **five (5) years duration** with the same SLA for similar kind of work; in which they have enough expertise and experience of all Source Codes & Keys in use, and the software made by them is of high standard, which is working satisfactorily till date. All the general and by-election were conducted on the said software, in which quality work was done by SLA.

Earlier the duration of project was 3 years in which general and by-election were conducted in all the districts. Since the contract period of REIL is going to be completed on February 2022 and due to covid-19 epidemic, in the year 2020, there was a lock down from March 2020 to July 2020. After that, in the year 2021, there was lock down from April 2021 to May 2021. Due to this election of Panchayati Raj Institutions and Municipal Bodies could not be completed on time. Apart from this, action was taken by State Government for delimitation of Panchayati Raj Institutions and Municipal Bodies. A petition was filed against the delimitation in the High Court and the Supreme Court and many time stay orders came. As a result, elections of Panchayati Raj Institutions and Municipal Bodies were not held on time. The elections started from November 2019 and the remaining elections were held in the year 2020 and 2021. For this reason, the elections which were to be held in the year 2020 were conducted in the year 2021. Due to this, the upcoming general elections starting from year 2024 are likely to be concluded in the year 2026 and 2027.

If the SLA is appointed for a period of 3 years as before, then the term of SLA will be completed in the next general election in the year 2022-2025 and appointment process of the SLA will have to be started again in 2025 in the middle of the election schedule. In such a situation, the election work will be completely chaotic and the basic requirement for conducting the elections i.e. preparation of voter lists will be interrupted.



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So, RSEC proposed that the appointment of SLA should be done for 5 years instead of 3 years, so that the upcoming elections can be concluded in a systematic manner.

#### Brief of the Scope of Work for SLA:

1. Preparation of Photo Electoral Roll-
  - Electoral Roll Database Handling
  - Customized software for Electoral Roll Database, Maintenance and Monitoring of Integrated Solution for Electoral Roll Preparation for Panchayat Raj and Urban Local Bodies with various features.
2. Web based/ SMS based voter search engine system-
  - Data Integration, Migration & Application software services for internal based voter's search facility for "Search by EPIC number", " Search by Name", "Search by locality include ZP, PS, Gram Panchayat and ULB" on the official website of the SEC, Rajasthan.
3. Election Statistical Information System
4. Tracking & Randomization Software
5. Website Maintenance
6. Application Maintenance support services for the election management application & help desk during election time.
7. Web server/ Database server Maintenance
8. Store Inventory Management Module

#### Technical Support during General and By-elections:

##### A. During the General Election-

S.No.	Resource	No.
1	Project Manager	1
2	SQL Server Database Administrator	1
3	Sr. System Analyst/ Sr. Software Developer	1
4	System Analyst cum software developer	1
5	Application Software Developer/ Programmer	1
6	Technical support/ Help services operator	1
	<b>Total</b>	<b>6</b>

##### B. During the By-election-

S.No.	Resource	No.
1	System Analyst cum software developer	1
2	Technical support/ Help services operator	2
	<b>Total</b>	<b>3</b>

#### Financial Implication:

Estimated cost of the project proposal (for 5 years duration) is Rs. 157.85 Lakh (excl. GST).

#### Fund Management:

Expenditure would be met from the funds available with Rajasthan State Election Commission.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 157.85 Lakh (excl. GST).**



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#### 7. Project : **Design, Development and Maintenance of "Rajeevika" Application for Rajasthan Grameen Ajeevika Vikas Parishad (RGAVP)**

The Committee was informed about the project proposal of Rajasthan Grameen Ajeevika Vikas Parishad (RGAVP). It is an autonomous society established in October 2010, by the Government of Rajasthan under the administrative control of Department of Rural Development. The "Rajeevika" application is used by the department to manage all its activities related to SHGs and related operations. It is an umbrella scheme, under which many schemes are being run by the Government of Rajasthan, which provides benefits in the direction of providing employment to the people living in the rural environment of Rajasthan.

The department envisions that data entry should be done at field level itself by BPMU/ DES/ Book-keeping person either through Mobile app or Web application. For this a Mobile app is also required to be developed. Presently, the data entry is done till cluster level only. There is also a need for development of interactive dashboards for decision support and monitoring of project at various levels.

In view of the above, the department intends to develop a new application which would incorporate all new schemes and functionalities. There would also be integration requirements with external applications like Jan Aadhaar, Aadhaar, RPP, e-Panchayat, GoI portal, RSLDC etc. for seamless exchange of data.

#### Scope of Work:

The scope of work broadly covers:

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

#### Financial Implication:

A total of estimated Cost of the project proposal is Rs. 358.81 Lakh (inclusive of GST). Break-up of the same is as mentioned below:

		(Amount in Rs.)
S. No.	Description	Total Cost (incl. GST @ 18%)
1.	Design, Development & Implementation of Rajeevika application	13733567
2.	Operations & Maintenance (O&M) of Rajeevika application for a period of three (3) years	16142400
3.	Training to Trainers / Officers / Employees	118000
4.	Contingency charges @ 2%	599879
5.	Consulting service charges @ 5%	1499698
6.	<b>Sub Total</b>	<b>32093544</b>
7.	RISL Service Charges @ 10%	3209354
8.	GST on RISL Service Charges @ 18%	577684
9.	<b>Total Project Cost</b>	<b>3,58,80,583</b>
	<b>Say (Rs. in Lakh)</b>	<b>358.81</b>

#### Fund Management:

Expenditure would be met from the funds available with Rajasthan Grameen Ajeevika Vikas Parishad (RGAVP), GoR.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 358.81 Lakh (inclusive of GST).**



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#### 8. Project : **UDAN Management Information System (UMIS) for Women & Child Development (DWE) Dept., GoR**

The Committee was briefed about the proposal. With the strategic objective of UDAN (Menstrual Hygiene Scheme), Women & Child Development (DWE) Dept. has planned to utilize the 62000+ Aanganwadi centers, 33000 Government schools, 373 Government Colleges and 50 TAD/Kasturba/Other centers to distribute sanitary napkins to 92 lacs non-school going girls/women, 27 lacs school students (Girls), 2.75 lacs college students (Girls) and 25 thousand other students (Girls) respectively (Total approx. 1.2 Crores beneficiaries).

The Sathin and Aanganwadi workers will be the peers for the non-school going girls/women and for rest beneficiaries the nominated officer from the schools/ Colleges/ other center will be the peers.

These peers will manage and distribute the supplied sanitary napkins to end beneficiaries. Here, due to large number of distribution centers (DCs), the WCD may face various challenges in rollout of the scheme such as:

1. Supply and Inventory management
2. Management and Monitoring of distribution due to large number of DCs
3. Consolidation of demands and consumption history of DCs for procurement
4. Management of supplies and logistic arrangements
5. Centralized repository of the transactional data for reporting and decision making

Therefore, to overcome those challenges, the WCD Department intended to adopt an IT based solution to manage inventories, monitoring of supplies and distribution.

#### **Project Scope:**

The broad scope of the project includes but not limited to Study, Design, Development, Testing, Integration and implementation services for UMIS for six months and thereafter Operations & Maintenance Services for a period of three years which will be divided in the two phases as follows:

#### **A. Study, Design and Development Phase-**

1. Study of existing systems, New Modules and Enhancement Requirements
2. Development of UMIS
3. Integration with other applications/ modules
4. Implementation and Support
5. Training and Capacity Building as and when required

#### **B. Operations & Maintenance and Support Phase-**

Five years operations & maintenance support services will be provided for the developed application and requirement of new development/ enhancement will also be catered during the O&M period i.e. three (3) years.

#### **Financial Implication:**

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

(Rs. in Lakh)

S.No.	Particulars	Total Price
<b>A.</b>	<b>Application/ Software Development</b>	
1.	Study, Design, Development for One Year and O&M of Application for five years	302.00
2.	GST @ 18 %	54.00
	<b>Sub Total A</b>	<b>356.00</b>





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S.No.	Particulars	Total Price
<b>B.</b>	<b>Cloud Service Charges of RSDC</b>	
1.	Production Environment with Load Balancer and Staging Environment	28.00
2.	GST @ 18 %	5.00
	<b>Sub Total B</b>	<b>33.00</b>
<b>C.</b>	<b>RISL Service Charges on Sub Total A</b>	
1.	RISL Charges @ 10%	36.00
2.	GST @ 18 % on RISL Charges	6.00
	<b>Sub Total C</b>	<b>42.00</b>
	<b>Total Project Cost (A+B+C)</b>	<b>431.00</b>

The year wise estimated expenditure/ cost breakup of the project is given below:  
Rs. in Lakh)

S. No.	Project Phases	Year 0	Year 1	Year 2	Year 3	Total
1	Study Design & Development Phase	107.00				107.00
2	Operations & Maintenance Phase		65.00	65.00	65.00	195.00
3	<b>Sub Total - 1</b>	<b>107.00</b>	<b>65.00</b>	<b>65.00</b>	<b>65.00</b>	<b>302.00</b>
4	GST @ 18%	21.00	11.00	11.00	11.00	54.00
5	<b>Sub Total - 2 (Sub Total 1 + GST)</b>	<b>128.00</b>	<b>76.00</b>	<b>76.00</b>	<b>76.00</b>	<b>356.00</b>
6	RISL Charges @ 10%	12.00	8.00	8.00	8.00	36.00
7	GST on RISL Charges @ 18%	3.00	1.00	1.00	1.00	6.00
8	<b>Sub Total 3: RISL Charges</b>	<b>15.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>42.00</b>
9	<b>Total 1 (Sub Total 2 + 3)</b>	<b>143.00</b>	<b>85.00</b>	<b>85.00</b>	<b>85.00</b>	<b>398.00</b>
10	<b>Cloud Service Charges</b>	<b>6.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>33.00</b>
11	<b>Total Project Cost</b>	<b>149.00</b>	<b>94.00</b>	<b>94.00</b>	<b>94.00</b>	<b>431.00</b>

**Note:**

1. The aforementioned estimated cost includes cost of design, development, integration, testing & deployment with 3 years support & maintenance mentioned of the solution proposed.
2. The actual cost of the project, may vary at the time of price discovery of the required solution through appropriate method of procurement/ bidding and applicable GST.
3. The cost mentioned above for this engagement is valid till 90 days from the date of the proposal.

**Fund Management:**

Expenditure would be met from the funds available with Women & Child Development Dept.

**The Committee accords technical approval on the proposal having estimated cost of Rs. 431.00 Lakh.; subject to the availability and approval of funds from Finance Dept.**

Meeting ended with a vote of thanks to the chair.

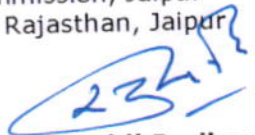
This bears the approval of competent authority.

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

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

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

1. P.S. to Principal Secretary, Finance Department, Rajasthan, Jaipur
2. P.S. to Principal Secretary, Women & Child Dev. (ICDS) Dept., Raj., Jaipur
3. P.S. to Principal Secretary, Revenue Dept., Rajasthan, Jaipur
4. P.S. to Principal Secretary, Industries Dept., Rajasthan, Jaipur
5. P.S. to Principal Secretary, Dept. of IT&C, Rajasthan, Jaipur
6. P.S. to Secretary, Planning Dept., Rajasthan, Jaipur
7. P.S. to Secretary, Medical & Health and Family Welfare Dept., Rajasthan, Jaipur
8. P.S. to Commissioner, Integrated Child Dev. Services (ICDS), Rajasthan, Jaipur
9. P.S. to Secretary, State Election Commission, Rajasthan, Jaipur
10. P.S. to Mission Director, National Health Mission (NHM), Rajasthan, Jaipur
11. P.S. to Commissioner, Industries Dept., Rajasthan, Jaipur
12. P.S. to Commissioner, Women Empowerment Dept. (WED), Rajasthan, Jaipur
13. P.S. to Additional Director, Women Empowerment Dept. (WED), Rajasthan, Jaipur
14. P.S. to Commissioner, Settlement, Rajasthan, Jaipur
15. P.S. to Commissioner & Joint Secretary, Dept. of IT&C, Rajasthan, Jaipur
16. P.A. to Director (Technical), RajCOMP Info Services Limited, Jaipur
17. P.S. to Joint C.E.O., Rajasthan State Health Assurance Agency (RSHAA), Jaipur
18. P.A. to Joint Secretary (Expenditure-III), Finance Department, Raj., Jaipur
19. P.A. to Secretary, Rajasthan Khadi & Village Industries Board (RK&VIB), Jaipur
20. P.A. to Project Director (Admin.), Raj. Grameen Ajeevika Vikas Parishad, Jaipur
21. P.S. to DDG & SIO, NIC, Rajasthan, Jaipur
22. Shri Ashok Kumar Jain, Dy. Secretary, Rajasthan State Election Commission, Jaipur
23. Smt. Poonam Choudhary, Chief Accounts Officer, Dept. of IT&C, Jaipur
24. Shri Rajesh Gupta, S.A. (Join Director), Dept. of IT&C-HQ, Jaipur
25. Ms. Sonia Chaturvedi, S.A. (Join Director), Dept. of IT&C-HQ, Jaipur
26. Shri Tapan Kumar, S.A. (Join Director), Dept. of IT&C-HQ, Jaipur
27. Shri Umesh Chand Joshi, A.C.P. (Dy. Director), Dept. of IT&C, Jaipur
28. Sh. K.M. Noordeen, SPM-MIS, Rajasthan Grameen Ajeevika Vikas Parishad, Jaipur
29. Shri S.K. Kumawat, A.C.P. (Dy. Director), ICDS, Rajasthan, Jaipur
30. Shri Tej Prakash Agnihotri, Assistant Director (I.E.C.), ICDS, Rajasthan, Jaipur
31. Shri Pankaj Kr. Sharma, Programmer, Raj. State Health Assurance Agency, Jaipur
32. Ms. Varsha Sharma, Women Empowerment Dept. (WED), Rajasthan, Jaipur
33. Smt. Anita Bhola, Programmer, Rajasthan State Election Commission, Jaipur
34. Shri Shashi Jain, Asst. Settlement Officer, Settlement Dept., Rajasthan, Jaipur
35. Director, LNMIIT, Jaipur
36. Guard File.

  
**(Sushil Parihar)**  
Additional Director



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

**Annexure-"A"**

**90<sup>th</sup> Meeting of SeMT held on 16-02-2022 – through VC - List of Attendees**

S. No.	Name of officer	Designation & Department
1.	Shri Alok Gupta	Principal Secretary, Dept. of IT&C
2.	Smt. Rashmi Gupta	Commissioner, Women Empowerment Dept.
3.	Smt. Chitra Gupta	Secretary, Rajasthan State Election Commission
4.	Dr. Jitendra Kumar Soni	Mission Director, NHM, Rajasthan
5.	Shri Rajendra Vijay	Commissioner, Settlement, Rajasthan
6.	Shri Sandesh Nayak	Commissioner & Joint Secretary, Dept. of IT&C
7.	Shri Arun Chauhan	Director (Technical), RajCOMP Info Service Ltd. (RISL)
8.	Shri Mewa Ram Jat	Joint Secretary, Finance (Exp.-IV) Dept.
9.	Shri Arun Chauhan	Technical Director, Dept. of IT&C
10.	Shri Jitendra Verma	SIO, NIC, Rajasthan
11.	Shri Mool Chand	Secy., Raj. Khadi & Village Industries Board (RK&VIB)
12.	Smt. Poonam Choudhary	Chief Accounts Officer, Dept. of IT&C
13.	Shri Praveen Kumar Jha	Joint Director (Plan), Planning Dept., Secretariat
14.	Dr. Hardeep Singh	Project Director (Admin.), RGAVP
15.	Shri Sushil Parihar	Addl. Director, Dept. of IT&C
16.	Shri Rajesh Gupta	S.A. (Joint Director), Dept. of IT&C-HQ, Jaipur
17.	Ms. Sonia Chaturvedi	S.A. (Joint Director), Dept. of IT&C-HQ, Jaipur
18.	Shri Tapan Kumar	S.A. (Joint Director), Dept. of IT&C-HQ, Jaipur
19.	Shri S.K. Kumawat	A.C.P. (Dy. Director), ICDS, Rajasthan, Jaipur
20.	Shri Umesh Chand Joshi	A.C.P. (Dy. Director), Dept. of IT&C
21.	Shri Rajkumar Singh	A.C.P. (Dy. Director), Dept. of IT&C
22.	Sh. Tej Prakash Agnihotri	Assistant Director (I.E.C.), ICDS, Rajasthan, Jaipur
23.	Shri Pankaj Kr. Sharma	Programmer, Raj. State Health Assurance Agency, Jaipur
24.	Smt. Anita Bholi	Programmer, Raj. State Election Commission, Jaipur
25.	Shri Shashi Jain	Asst. Settlement Officer, Settlement Dept., Rajasthan
26.	Shri Nikhil Meena	Assistant Programmer, Dept. of IT&C

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## GOVERNMENT OF RAJASTHAN

### Department of Information Technology & Communication

#### Annexure-"B"

Technical specification suggested by Dept. of IT&C for Procurement of Computer Hardware & allied items for GIS Lab in **Settlement Dept.** are as follows:

#### 1. High End Desktop Computer – I:

Item	Minimum Technical Specification
Processor	Xeon
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD
Graphics	6 GB Graphics Card
Memory (RAM)	32 GB DDR4 2666/2933 MHz or higher with minimum 2 DIMM Slots, Expandable up to 64 GB
Storage	1 TB 7200 RPM SATA Drive and 256 SSD or higher
Optical drive	DVD R/W
Ports	Minimum 6 USB ports with at least 2 USB 3.1 ports, 1- VGA/ HDMI, audio jack for headphone & microphone
External Drive Bays	Two
Internal Drive Bays	Two
Display	Minimum 21" inch or higher, Full HD, HDMI, VGA ports, Audio out part, TCO Certified
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ Quick Heal/ Symantec/ Sophos/ Kaspersky with 3 years subscription
Certification	RoHS Compliance, ISO for 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. High End Desktop Computer – II:

Item	Minimum Technical Specification
Processor	Xeon
Motherboard	OEM Motherboard
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD
Graphics	6 GB Graphics Card
Memory (RAM)	64 GB DDR4 2666/2933 MHz or higher with minimum 2 DIMM Slots,
Storage	1 TB 7200 RPM SATA Drive and 512 SSD or higher
Optical drive	DVD R/W
Ports	Minimum 6 USB ports with at least 2 USB 3.1 ports, 1- VGA/ HDMI, audio jack for headphone & microphone
External Drive Bays	Two
Internal Drive Bays	Two
Display	Minimum 27" inch or higher, Full HD, HDMI, VGA ports, Audio out part, TCO Certified
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ Quick Heal/ Symantec/ Sophos/ Kaspersky with 3 years subscription
Certification	RoHS Compliance, ISO for OEM

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## GOVERNMENT OF RAJASTHAN

### Department of Information Technology & Communication

Item	Minimum Technical Specification
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

### 3. Laptop:

Item	Minimum Technical Specification
Processor	Intel Core i7/AMD Ryzen 7, (10th Generation/equivalent AMD), Minimum 6 core, minimum 1.10 GHz base frequency or higher, cache 12 MB or higher
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD/ cloud recovery
Display	15" or higher diagonal +/-5%, HD Display
Memory (RAM)	16 GB DDR4 2666/2933 MHz or higher, Expandable up to 32 GB with 2 DIMM slot
Hard Drive	1 TB SATA Drive/ 512 GB SSD
Speaker & Microphone	Inbuilt speakers and integrated digital microphone
Connection Type	Minimum 2 USB 3.0 or higher, 1 VGA/ HDMI, Headphone/ microphone combo/ separate
Network card	Integrated 10/100/1000 GB Ethernet LAN with 3 Mtr. CAT6 Patch Cord
Wireless Connectivity	Bluetooth 4.0 or above & integrated Wi-Fi 802.11 b/g/n
Graphics	4 GB
Web Cam	HD Web Camera (Front facing)
Battery	Minimum 4 Hrs. Battery Backup
Power Adapter	Standard OEM power adapter
Antivirus	Preloaded Internet Security of Trend Micro/ Symantec/ Sophos/ Quick Heal/ Kaspersky
Office	Open Office updated version (freeware)
Keyboard	OEM standard keyboard with gesture support
Certification	RoHS Compliance, BIS, ISO for OEM
Accessories	Carry Bag
Warranty	3 years comprehensive on-site OEM warranty

### 4. A3 Colour (MFP) Printer:

Item	Minimum Technical Specification
Printing Technology	Laser/ Ink Tank
Type of Printing	Colour
Paper Size	A3
Print Speed per minute	Colour: minimum 15 or Better B & W: minimum 30 or better
Duplexing Feature	Yes
Wireless Connectivity	No
No. of Main Paper Trays	2
Bypass Tray Facility	Yes
Certification	RoHS Compliance, BIS
On site OEM warranty (Yrs.)	3 Comprehensive

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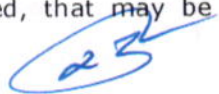
**5. Multi-Function Printer (Monochrome) Laser/ Ink Tank:**

Item	Minimum Technical Specification
Type of machine	Multifunction Machine
Printing method	Monochrome
Printing Technology	Laser/ Ink Tank
Printer Speed	25 ppm
Input Tray Capacity	100 Pages or higher
Printer Resolution	600x600 dpi or higher
RAM Size/ Memory	256 MB
Connectivity	On USB, Ethernet
Duty Cycle (Monthly)	10000 Pages
Duplexing feature	Yes
Functions	Print, Copy, Scan
Scanning feature	Yes
Scan Type/ Technology	Flatbed with ADF
Scan file format	PDF, JPEG, TIFF, BMP etc.
Media size supported	A4, A5, Legal
Scan Speed	15 ppm or higher
Scan resolution	600x600 dpi or higher
Toner/ Cartridge/bottle	Black Laser/Ink bottle
Wi-Fi	Yes
Compatible Operating System	Window 7, 8, 10 (32/64 Bit, Linux- Ubuntu
Cables/ Accessories	All the required cables, Accessories.
Software media	Driver & utility Software CD/DVD
Certifications	RoHS Compliance, BIS
Warranty	3 years comprehensive on site OEM warranty

**6. U.P.S. 5 KVA (Online):**

Item	Minimum Technical Specification
Rating and Technology	5.0 KVA and Inbuilt Isolation transformer
Input power	Single Phase
Output power	Single Phase
Minimum VAH	8000
Back up	45 minutes or more
UPS warranty	36 months
Battery warranty	24 months
Cable for input and output	minimum 5 Mtr.
Battery Rack	with Rack
Installation & Commissioning	Yes
Certification	RoHS Compliance, BIS, ISO for OEM

Committee also suggested that Settlement Department may review the suggested specifications w.r.t. hardware specifications presently available in market before initiating procurement process and, if minor amendments needed, that may be taken care into consideration.





## GOVERNMENT OF RAJASTHAN

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#### Annexure-"C"

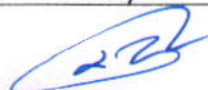
Technical specification suggested by Dept. of IT&C for Procurement of Computer Hardware under PMMVY by **Women & Child Development (ICDS) Dept.** are as follows:

#### 1. All-in-One Desktop Computer:

Item	Minimum Technical Specifications
Processor	Intel i3/ AMD Ryzen-3 (9 <sup>th</sup> Generation/equivalent AMD), 4 Core with minimum 2.0 GHZ or higher
Chipset	Compatible Intel/ AMD Chipset
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 - bit) with OEM recovery partition/recovery DVD.
Memory	8 GB DDR4, 2666 MHz or higher
Storage	1 TB 7200 RPM SATA Drive
Ports	Minimum 4 USB Ports or higher out of which Min 2 USB 3.0 or higher, Display Port/HDMI, Audio jack for headphone & mic
Display	Minimum 21.5 Inch or higher full HD Resolution, IPS & OEM Logo
Anti-virus	Preloaded (Latest Version) Internet Security of Trend Micro/Quick Heal (Av Pro Adv)/Symantec/ Sophos/ Kaspersky/MacAfee with 3 years subscription (OEM MAF required)
Certification	RoHS Compliance, ISO for OEM
Keyboard & Mouse	OEM Logo USB Keyboard & OEM Logo USB Mouse with Pad
Network Interface	Integrated 10/100/1000
Office	Open Office updated version (freeware)
Integrated	Full HD Web Cam 2 MP, Speaker & Mic
Accessories	All necessary cables (power & data cables) to be included
Warranty	3 years comprehensive on-site OEM warranty

#### 2. Laptop:

Item	Minimum Technical Specification
Processor	Intel Core i5/ AMD Ryzen 3, (10 <sup>th</sup> or higher Generation/ equivalent AMD), Minimum 4 core, minimum 2.4 GHz base frequency or higher, cache 8 MB or higher
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition/ recovery DVD
Display	14" or higher diagonal +/-5% FHD Display
Memory (RAM)	8 GB DDR4 2666/ 2933 MHz or higher, expandable up to 16 GB
Hard Drive	1 TB SATA Drive
Speaker & Microphone	Inbuilt speakers and integrated digital microphone
Connection Type	Minimum 2 USB 3.0 or higher, 1 HDMI, Headphone/ microphone combo/ separate
Network card	Integrated 10/100/1000 GB Ethernet LAN
Wireless Connectivity	Bluetooth 4.0 or higher & integrated Wi-Fi 802.11 b/g/n
Graphics	Integrated HD Graphics
Web Cam	HD Web Camera (Front facing)
Battery	Minimum 3 Cell 40 Whr with minimum back up of 8 Hrs
Power Adapter	Standard OEM power adapter
Antivirus	Preloaded Internet Security of Trend Micro/ Symantec/ Sophos/ Quick Heal/ Kaspersky with '3' Year Subscription
Keyboard	OEM standard keyboard with gesture support
Certification	RoHS Compliance, BIS, ISO for OEM
Information Accessibility	Product details, specifications and brochure to be available in public domain
Accessories	Carry Bag, 3 Mtr. CAT 6 Patch Cord
Warranty	3 years comprehensive on-site OEM warranty





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**3. Multi-Function Printer (MFP):**

Item	Minimum Technical Specification
Type of machine	Multifunction Machine
Printing method	Monochrome laser
Printing Technology	Laser(Black)
Printer Speed	25 ppm
Input Tray Capacity	100 Pages or higher
Printer Resolution	600x600 dpi or higher
RAM Size/ Memory	256 MB
Connectivity	USB, Ethernet
Duty Cycle (Monthly)	10000 Pages
Auto Duplex Print for A4 or Legal	Yes
Functions	Print, Copy, Scan
Scanning feature	Yes
Scan Type/ Technology	Flatbed with ADF
Scan file format	PDF, JPEG, TIFF, BMP etc.
Media size supported	A4, A5, Legal
Scan Speed	15 ppm or higher
Scan resolution	600x600 dpi or higher
Copy resolution	600x600 dpi or higher
Toner/ Cartridge	Laser Black toner cartridge pre-installed
Wi-Fi	Yes
Compatible Operating System	Window 7, 8, 10 (32/64 Bit, Linux- Mac OS)
Cables/ Accessories	All the required cables, Accessories.
Software media	Driver & utility Software CD/DVD
BIS Registration	Yes
Other Certifications	RoHS Compliance, BIS
Warranty	3 years comprehensive on site OEM warranty

**4. UPS 1 KVA:**

Item	Minimum Technical Specification
UPS Capacity	1 KVA
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	168 VAH for 30 Minutes backup on 1 PC (Inbuilt Batteries) (Brands preferred - Exide/ Quanta-Amron/ HBL/ Yuasa/ Hitachi)
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	RoHS Compliance, BIS, ISO for OEM
Warranty	Two (2) years comprehensive on site OEM warranty

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

**Annexure-"D"**

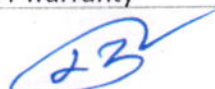
Technical specification suggested by Dept. of IT&C for Procurement of IT Equipment for strengthening of healthcare facilities of Rajasthan State by **National Health Mission (NHM), Raj./ Dept. of Medical Health & Family Welfare, GoR** are as follows:

**1. Desktop Computer System:**

Item	Minimum Technical Specifications
Processor	Intel i5/ AMD Ryzen-5 (10 <sup>th</sup> Generation/ equivalent AMD) 6 Core, with minimum 3.0 GHz or higher (Base Frequency), 12 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. Declaration from OEM
Graphics	Integrated Graphics Card
Memory (RAM)	8 GB DDR4 2666/ 2933 MHz or higher with minimum 2 DIMM Slots Expandable up to 32 GB
Storage	1 TB 7200 RPM SATA Drive
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 on front
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 minimum 3 years subscription
Slots	1 PCI, 1 PCI Express x1, 1 PCI Express x16
Certification	RoHS Compliance, ISO for 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. Laser Printer (for HWC and IHMS):**

Parameters	Minimum Technical Specification
Type	Monochrome Laser
Print Speed	18 PPM
Functions	Print
Duty Cycle (Monthly)	10000 Pages
Paper Size	A4, Legal
Print Resolution	600x600 Dpi
Port	USB/ Ethernet
Tray	Input Tray : Min 100 sheets
Yield of Cartridge	Composite, Yield minimum 1500 pages
Certification	RoHS Compliance, BIS
Processor	400 MHz or higher
Memory	64 MB or higher
Operating System	Windows and Linux
Accessories	All necessary cables (Power & Communication)
Warranty	3 years comprehensive on site OEM warranty



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**3. Head phone:**

Item	Minimum Technical Specification
Type	Plug & Play, Noise Cancellation Microphone, Over the head, Input impedance 32 Ohms, inline volume control
Frequency response	Headset: 20 Hz to 20K Hz Microphone: 100 Hz to 16K Hz Sensitivity Headphone : 100DB +/- 3DB
Cable length	Minimum 1.5 meter
Compatible OS	All Windows, Mac, Chrome OSTM
Certification	ROHS compliance

**4. Webcam:**

Item	Minimum Technical Specification
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 1280x720
Image capturing	Up to 3.0 megapixel
Features	Clear and richer picture with 5G/>=60 degree, brightness controller, digital zoom
OS Support	Windows, Mac and Linux
Audio	Built-in mics with auto noise reduction/cancellation
Interfaces	USB 2.0 and Above Connector
Cable Details	USB Cable min 1.5 Meter
Certification	RoHS Compliance, ISO for OEM

**5. UPS:**

Item	Minimum Technical Specification
UPS Capacity	1 KVA
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	168 VAH for 30 Minutes backup on 1 PC (Inbuilt Batteries) (Brands preferred - Exide/ Quanta-Amron/ HBL/ Yuasa/ Hitachi)
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	RoHS Compliance, BIS, ISO 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)

**6. DMP (Dot Matrix Printer):**

Item	Minimum Technical Specification
Pin	9 Pin
Columns	80 Column
High Speed Draft	500 CPS at 12 CPI or Higher
Draft	400 CPS at 10 CPI or Higher
Copies	1+5



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Interface-	Parallel & USB
Compatible OS	All Windows
Input Buffer	64 KB or Higher
Drivers	Minimum Win OS (version 7 & above all)
Print Head (Million Strokes/ Wire)	400
Ribbon (Million Character)	7.5
MTBF (POH)	10000 or Higher
Accessories	Power & communication cable and user manual or instruction manual
BIS Certification	Yes
On Site Warranty	3 Years comprehensive on-site OEM warranty on printer including print head from OEM

**7. Multi-Function Printer (MFP):**

Item	Minimum Technical Specification
Functions	Print, Scan, Copy, Fax
Printing Method	Monochrome Laser
Paper Size	A4, A5, Legal
Print Speed	28 PPM
Print Resolution	600 x 600 dpi or higher
Auto Duplex	Yes
Memory	256MB or higher
Connectivity	USB, Ethernet
Duty Cycle (Monthly)	25000 pages or higher
Scan type/Technology	Flatbed with ADF
Scan Speed	15 PPM or higher
Copy Resolution	600 x 600 dpi or higher
Scan Resolution	600 x 600 dpi or higher
Wi-Fi and Ethernet	Yes
Input paper tray capacity	100 pages or higher
Scan File Format	PDF, JPEG, TIFF BMP etc.
Toner Cartridges	Composite, Laser Black Tonner: Pre install
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	RoHS Compliance, BIS
Warranty	3 Years comprehensive onsite OEM warranty

**8. Bar Code Printer:**

Item	Minimum Technical Specification
Printer Type	Direct Thermal / Thermal Transfer
Type	Desktop
Memory	32 MB or Higher
Print Methods	Direct thermal and thermal transfer, Printing of barcodes, text and graphics.
Resolution	203 dpi/ 8 dots per mm
Print Width	4.09"/ 104 mm
Print Length	39"/ 990 mm
Print Speed	4 IPS or Higher
Interface	Serial + USB + LAN or more
Sensors	mark and Gap sensor etc.
Drivers	Linux/ Win XP, 7, 8, 10
Media Width	Min. 18mm



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Max OD roll size	Max. 127 mm
Media Sensor	Moveable black mark sensor
Ribbon spec	Should support 300 meters ribbons capacity
Agency Approvals certificate	BIS
BIS Certification	Yes
Warranty	3 years comprehensive on-site OEM warranty on printer including print head from OEM

**9. Bar Code Scanner:**

Item	Minimum Technical Specification
Form factor	Hand Held
Communication	USB
IP Rating	IP 42
Scan System	Linear Imager with White LED illumination
Scan rate	200 Scan per Second/ frames per second or higher
Resolution	3 mil or higher
Compatible Bar Code Symbolologies	UPC-A/ UPC-E, EAN 13, JAN-13,CODABAR, ADD-ON-2,code-93, Industrial Codes, Interleaved 2 or 5, EAN128 etc.
Drop (meters)	1 or higher
BIS Certification	Yes
Working Range (meters)	0.15 or higher
Certification & Protection	FCC Part15 Class B, CE EMC Class B, RoHS
On-Site Warranty	3 years comprehensive on-site OEM warranty.

**10. Biometric Device:**

Item	Minimum Technical Specification
Type	Fingerprint scanner device for use with Desktop, Laptop, POS device
Certification for Device and extractor software/ SDK	STQC Certified
Cable length	1.5 Meter
Supported OS	Windows 7, 8, 10, Android 3.1, Linux
UIDAI Certified Registered Device (Copy of the certificate to be furnished when demanded by buyer)	Yes
Connector Cable to connect the Device to Micro USB & Standard USB	Yes
Conformity to the "Terms and Conditions of UIDAI Certified Registered Device" (RD Services)	Yes
Protection	IP 54
On-Site Warranty	2 years comprehensive on-site OEM warranty.





**GOVERNMENT OF RAJASTHAN**  
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**Annexure-"E"**

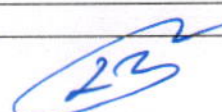
Technical specification suggested by Dept. of IT&C for Procurement of Computer Hardware & allied items by **Rajasthan Khadi & Village Industries Board (RK&VIB)** are as follows:

**1. Desktop Computer System:**

Item	Minimum Technical Specifications
Processor	Intel i5/ AMD Ryzen-5 (10 <sup>th</sup> Generation/ equivalent AMD) 6 Core, with minimum 3.0 GHz or higher (Base Frequency), 12 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)	8 GB DDR4 2666/2933 MHz or higher with minimum 2 DIMM Slots, Expandable up to 32
Storage	1 TB 7200 RPM SATA Drive and/or 512 GB SSD
Optical drive	DVD R/W
Ports	Minimum 6 USB ports with at least 2 USB 3.0 or higher ports, 1-VGA, HDMI, audio jack for headphone & microphone
Display	Minimum 21.5" inch or higher, Resolution 1920x1080 or higher Display, TCO Certified
Office	Open office updated version (freeware)
Antivirus	Preloaded (Latest Version) Internet Security of Trend Micro/ Quick Heal/ Symantec/ Sophos/ Kaspersky with 3 years subscription
Certification	RoHS Compliance, ISO for 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. Multi-Function Printer (MFP):**

Item	Minimum Technical Specification
Type of machine	Multifunction Machine
Printing method	Monochrome laser
Printing Technology	Laser(Black)
Printer Speed	25 ppm
Input Tray Capacity	100 Pages or higher
Printer Resolution	600x600 dpi or higher
RAM Size/ Memory	256 MB
Connectivity	USB, Ethernet
Duty Cycle (Monthly)	10000 Pages
Auto Duplex Print for A4 or Legal	Yes
Functions	Print, Copy, Scan
Scanning feature	Yes
Scan Type/ Technology	Flatbed with ADF
Scan file format	PDF, JPEG, TIFF, BMP etc.
Media size supported	A4, A5, Legal
Scan Speed	15 ppm or higher



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Item	Minimum Technical Specification
Scan resolution	600x600 dpi or higher
Copy resolution	600x600 dpi or higher
Toner/ Cartridge	Laser Black toner cartridge pre-installed
Wi-Fi	Yes
Compatible Operating System	Window 7, 8, 10 (32/64 Bit, Linux- Mac OS)
Cables/ Accessories	All the required cables, Accessories.
Software media	Driver & utility Software CD/DVD
Other Certifications	RoHS Compliance, BIS
Warranty	3 years comprehensive on site OEM warranty

**3. 1 KVA Interactive UPS:**

Item	Minimum Technical Specification
UPS Capacity	1 KVA
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	168 VAH for 30 Minutes backup on 1 PC (Inbuilt Batteries) (Brands preferred - Exide/ Quanta-Amron/ HBL/ Yuasa/ Hitachi)
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	RoHS Compliance, BIS, ISO 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	3 years comprehensive on site OEM warranty

#### End of Document ####