

GOVERNMENT OF RAJASTHAN  
Department of Information Technology & Communication

No. F.5 (1123)/DoIT/Tech/2018/01751/2019

Dated: 15/05/19

**Minutes of 77<sup>th</sup> meeting of SeMT dated 09-04-2019**

The Seventy Seventh meeting of the State e-Governance Mission Team (SeMT) was held under the Chairmanship of Principal Secretary, IT&C on 9<sup>th</sup> April, 2019 at 12:30PM at Bhamashah State Data Centre (BSDC), Jhalana Doongari, Jaipur. List of participants is enclosed at Annexure –"A".

The following decisions were taken in the meeting:

**1. Project : Procurement of computer hardware & allied items by Employment Department**

The Committee was informed about the revised project proposal of Employment Department. The Department intended to procure various computers hardware and allied during F.Y. 2018-19 for the interlinking of Employment Exchanges and Model Career Centre of Bikaner, Bharatpur and Kota.

**Proposed Procurement:**

Detail of the items proposed for procurement is as under:

(a) For the interlinking of Employment Exchanges and Model Career Centre of Bikaner-  
(Rs. in Lakh)

S. No.	Item Description	Qty. (No.)	Estimated Unit Cost	Total Estimated Cost
1	Desktop Computer	78	0.49	38.22
2	Multifunctional Printers	46	0.18	8.28
3	Multifunctional Heavy Duty Printers	1	0.27	0.27
4	1 KVA UPS	78	0.12	9.36
	Total (a)			<b>56.13</b>

(b) For Model Career Centre at Bharatpur and Kota-  
(Rs. in Lakh)

S. No.	Item Description	Qty. (No.)	Estimated Unit Cost	Total Estimated Cost
1	Desktop Computer	18	0.485	8.73
2	Multifunctional Heavy Duty Printers	2	0.27	0.54
3	1 KVA UPS	15	0.12	1.80
4	32" LED	2	0.40	0.80
5	43" LED	1	0.75	0.75
	Total (b)			<b>12.62</b>

Technical specifications are enclosed at Annexure –"B".



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**Financial Implication:** Total estimated cost of the proposed procurement is as under:  
(Rs. in Lakh)

S. No.	Item Description	Total Estimated Cost
(a)	Requirement for interlinking of Employment Exchanges and Model Career Centre of Bikaner	56.13
(b)	Requirement for Model Career Centre at Bharatpur & Kota	12.62
	<b>Total</b>	<b>68.75</b>

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

*On file technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.*

**The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. 68.75 Lakh; subject to availability of specific budget provision.**

**2. Project : Procurement of computer h/w & allied items by State Insurance & Provident Fund Department (SI&PF Department)**

The Committee was informed about the project proposal of SI&PF Department. The Department intended to procure computers and allied items as the existing available hardware became obsolete, outdated & un-repairable and being condemned.

**Proposed Procurement:**

Details of the items proposed for procurement is as under:

S.No.	Item Description	Qty. (No.)	Estimated Unit Cost	Total Estimated Cost
1	Desktop Computer	411	0.50	205.50
2	Laptop	10	0.65	6.50
3	Laser Printer	75	0.25	18.75
4	Scanner	44	0.40	17.60
	<b>Total</b>			<b>248.35</b>

Technical specifications are enclosed as Annexure –"C".

**Financial Implication:** Estimated cost of the proposed procurement is Rs. 248.35 Lakh.

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

*On file technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.*

**The Committee accords ex-post-facto technical approval of the project with estimated project cost of Rs. 248.35 Lakh; subject to availability of specific budget provision.**





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### 3. Project : Procurement of computer hardware & allied items by Women & Child Development Department (WCD Department)

The Committee was informed about the project proposal of WCD Department. The Department intended to procure various computer hardware for Directorate-HQ & its' District level and Child Development Project level Offices.

#### Proposed Procurement:

Details of the items proposed for procurement is as under:

S. No.	Item	Directorate Level	District Level	Project Level	Total
1.	Laptop	2	0	0	2
2.	Computer i5 series	10	11	51	72
3.	Laser/ MFP Printer	10	20	30	60
4.	Colour Printer	1	0	0	1
5.	Heavy Duty Printer	1	0	0	1
6.	Ups Offline (1 KVA)	0	14	23	37
7.	Ups Online (20.0 KVA)	1	0	0	1

Technical specifications are enclosed as Annexure -"D".

#### Financial Implication:

The total estimated cost of the proposed procurement is as mentioned below:

(Rs. in Lakh)				
S. No.	Item	Total Qty.	Per Unit Price	Total Estimated Cost (Amount in Rs.)
1.	Laptop	2	0.75	1.50
2.	Computer i5 series	72	0.62	44.64
3.	Laser/ MFP Printer	60	0.20	12.00
4.	Colour Printer	1	0.40	0.40
5.	Heavy Duty Printer	1	0.44	0.44
6.	Ups Offline (1 KVA)	37	0.15	5.55
7.	Ups Online (20.0 KVA)	1	4.00	4.00
<b>Total</b>				<b>68.53</b>

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

*On file technical approval has already been accorded by Principal Secretary, IT&C in the capacity of chairman, SeMT.*

**Looking to fact that WCD Department is not having sufficient budget provision in the current financial year; the Committee decided that once required fund is available; WCD Department may re-submit the case for procurement of the ICT items.**





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**4. Project : Revised proposal of procurement of computer hardware & allied items by Industries Department**

The Committee was informed about the revised project proposal of Industries Department Reasons informed by Industries Department for the revision in the earlier approved proposal are as under:

- (A) Procurement of "All-in-One-Computers" instead of "Desktop Computers"**  
Industries Department informed about the decision to procure "All-in-One-Computers" instead of "Desktop Computers", and requested Department of IT&C to provide technical specification for the same.

Required technical specifications have been provided by Department of IT&C to Industries Department bearing the approval accorded by the then Principal Secretary, IT&C being as the chairman of SeMT. Ex-post-facto technical approval would be taken subsequently in forthcoming meeting of SeMT.

- (B) Procurement of MFP A-3 Size in lieu of MFP A-4 Size**  
Industries Department also intended to procure MFP A-3 Size in lieu of MFP A-4 Size, and requested to approve technical specification provided by the Industries Department

- (C) New provision of the component of FMS/ ATS charges for a sum of Rs. 796.00 Lakh (to be paid to RISL).**

Industries Department intends to make provision of the payment for the bills raised by RISL for "ATS/ FMS provided by RISL for various application s/w developed earlier by RISL under EoDB program"; for a sum of Rs. 236.00 Lakh (up till 31-03-2019).

Besides it, Industries Department also intends to make provision of Rs. 560.00 Lakh @ Rs. 112.00 lakh per year for five (5) consecutive (from F.Y. 2019-20 to 2023-24) for the same purpose.

Before getting the approval of Finance Department, Industries Department requested to Department of IT&C to accord technical approval of SeMT for additional provision of the component of FMS/ ATS charges for a sum of (Rs. 236.00 Lakh + Rs. 560.00 Lakh =) Rs. 796.00 Lakh (to be paid to RISL) for next five (5) years (from the financial year 2019-20 to 2023-24).

**In this context, the Committee was also informed about the previous proceedings as mentioned below:**

1. **The original proposal** (Procurement of Hardware and Software Development for Industries Department) was approved in **59<sup>th</sup> meeting of SeMT** held on 14-08-2015 for following components:

(Rs. in Lakh)				
A.	Computer Hardware	Qty. (Nos.)	Rate	Amount
	1. Desktop Computer (72 for 36 DIC's and 63 for HQ.)	135	0.50	67.50
	2. Laptop	7	0.70	4.90
	3. Heavy duty Laser Printer (B&W) (36 for 36 DIC's and 13 for HQ.)	49	0.35	17.15
	4. Normal Laser Printer (B&W) (36 for 36 DIC's and 20 for HQ.)	56	0.15	8.40



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5.	UPS (72 for 36 DIC's and 63 for HQ.)	135	0.05	6.75
6.	Scanner (Flatbed) (72 for 36 DIC's and 20 for HQ.)	92	0.04	3.68
7.	Scanner (ADF) (36 for 36 DIC's and 5 for HQ.)	41	0.25	10.25
8.	MSoftware (72 for 36 DIC's and 63 for HQ.)	135	0.10	13.50
9.	Networking (at HQ.)	-	0.00	2.00
10.	Multimedia Projector (at HQ)	1	0.60	0.60
11.	Backup Device (36 for 36 DIC's and 10 for HQ.)	46	0.05	2.30
12.	Digital Copier (at HQ.)	5	0.50	2.50
13.	Furniture at DIC Level	36	0.20	7.20
<b>Total (A)</b>				<b>146.73</b>
<b>B.</b>	Cost of Server Hardware			<b>38.00</b>
<b>C.</b>	S/w Development for EoDB and other applications for O/o of Commissioner, Industries			<b>115.27</b>
<b>D.</b>	Maintenance			
1.	Feeding of Legacy Data			15.00
2.	Maintenance of Computer and Department Website			10.00
<b>Total (D)</b>				<b>25.00</b>
<b>Grand Total</b>				<b>325.00</b>

2. In the **65<sup>th</sup> meeting of SeMT** held on 16-02-2018, revised proposal was again submitted by Industries Department for approval as follows:

(Rs. in Lakh)

S. No.	Items	Amount expended in F.Y. 2015-16	Amount to be expended in F.Y. 2016-17	Total
1	Computer H/w (Desktop, Printers, Laptops, UPSs etc.)	139.25	64.00	203.25
2	Server H/w	67.59	8.00	75.59
3	S/w development for Ease of Doing Business (EoDB)	0.00	312.00	312.00
4	Misc. computerization related items: LED TV for VC studio, WI-FI networking and furniture	0.00	17.00	17.00
5	Maintenance of computers and department micro website	17.67	14.00	31.67
	<b>Total</b>	<b>224.51</b>	<b>415.00</b>	<b>639.51</b>
	<b>Say Rs.</b>	<b>225.00</b>	<b>415.00</b>	<b>640.00</b>





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**Recently Proposed Revised Financial Implication:**

		(Rs. in Lakh)
S.No.	Description	Amount
1	Revised project cost approved earlier in 65 <sup>th</sup> meeting of SeMT	640.00
2	New provision of the component of FMS/ ATS charges for a sum of Rs. 796.00 Lakh (to be paid to RISL)	796.00
	<b>Total</b>	<b>1436.00</b>

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

**The Committee discussed in depth on the revised proposal and decided unanimously:**

- (a) To accord technical approval on the procurement of MFP A-3 Size in lieu of MFP A-4 Size, as per prevailing RTPP Rules; accordingly specifications may be shared with Dept. of IT&C.
- (b) Industries Department was directed to re-prepare the project proposal with finalization of technical specification in consultation with Department of IT&C on the required h/w and allied items; and re-submit the same for technical approval of SeMT.

**5. Project : Revised proposal of "Complete Consolidated Project Report for Implementation of SAP ERP in RVPN"**

The Committee was informed about the revised project proposal that while approving the revised "Complete Consolidated Project Report for Implementation of SAP ERP in RVPN"; by SeMT in its 63<sup>rd</sup> meeting held on 04-11-2016; it was decided that RVPN will shift Infrastructure in RSDC after the completion of three (3) years period of agreement with BSNL for Data Centre Services.

The Committee was also informed that at present RVPN is availing IDC services from M/s BSNL for hosting SAP-ERP application as per purchase order dated 29-10-2015 for a period of 3 years which has been completed on 29<sup>th</sup> Oct 2018 and needs to be extended.

Contract with RVPN System Integrator M/s Yash Technologies was up to 31<sup>st</sup> January 2019. The responsibility of physical shifting of servers from Faridabad to BSDC, Jaipur and reconfiguring of the SAP-ERP application at BSDC was included in the tender for AMC of SAP but due to some unavoidable reason the tender could not be finalized and hence cancelled.

**Current Requirement:**

As on date, there is no provision for shifting of servers to BSDC and the same was discussed at length in the meeting of the Project e-Governance Mission Team (PeMT) held on dated 14<sup>th</sup> Feb 2019. PeMT has decided to recommend the case to SeMT with following recommendations:-





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- a. Extending the existing contract with BSNL for availing data centre services for one more year i.e. till 29th Oct. 2019 and accordingly the cost of project be revised as under:-

		(Rs. in Lakh)
S. No.	Description	Amount
1.	Existing project cost as approved by SeMT in its 75th meeting held on 1 <sup>st</sup> October, 2018	7641.00
2.	Charges to be paid to be paid for hosting of SAP-ERP application for further one year	401.00
3.	<b>Sub Total(1+2)</b>	<b>8042.00</b>
4.	Contingency@2% on S. No. 3	160.00
5.	<b>Revised complete consolidated project cost</b>	<b>8202.00</b>

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

*The Committee suggested RVPNL to ensure the shifting of Infrastructure in SDC before 29<sup>th</sup> October, 2019.*

The Committee accords technical approval on the revised proposal for availing data centre services for one more year i.e. till 29<sup>th</sup> October, 2019 as per provisions of RTPP Rules and accordingly the cost of project be revised as Rs. 8202.00 Lakh; subject to availability of specific budget provision.

**6. Project : Admissibility of Internet facility under combo plan for Excise Inspectors and Vigilance Officers of Excise Department**

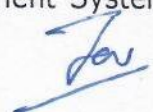
The Committee was informed about the proposal of Finance (Excise) Department. Excise Department intends to provide CUG SIM with Internet connection to Excise Inspectors and Vigilance Officers of Department At present, expected number of users of the facility is 348 (for those filled posts where officers are working).

Aforesaid proposal was sent to FD for approval. FD advised the Department that at first, proposal should be send for concurrence of Department of IT&C and G.A.D.

**The Committee discussed in depth on the proposal and found that there is no technical issue to be resolved/ or requirement of technical specification recommendation of Department of IT&C; therefore, the Committee directed Excise Department to obtain required approvals from the concerned departments.**

**7. Project : Proposal of Operation & Maintenance of "Labour Department Management System (LDMS)" for five year**

The Committee was informed about the project proposal of Labour Department. The Department, as a part of their envisioned strategy to strengthen their various administrative functions, have introduced e-Governance at their department. The web application developed during the process "Labour Department Management System"





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(i.e. LDMS) is one of the most used e-Governance project of the GoR. Till date, approximately 3 crore number of transactions have been recorded under the project. The project is critical from the EoDB (Ease of Doing Business) perspective also, as around 76 points of EoDB are related to the Labour Department. Additionally, around 59 citizen centric services are being provided under LDMS through e-Mitra.

The project was implemented by M/s CompuCom Software Ltd in two (2) phases. The Phase II of the project has been completed on 31-10-2018.

### Requirement:

To ensure uninterrupted availability of the departmental services to the citizen and in view of the upcoming requirements, Labour Department intends to continue the ongoing services for one (1) year of RISL for Labour Department i.e. "O&M of LDMS application". Department of Labour has requested RISL to facilitate extension of ongoing O&M.

### Financial Implication:

(Rs. in Lakh)		
S. No.	Item Description	Total
1	Cost for Operations & Maintenance of LDMS application for 1 yr.	125.32
2	Contingency expenses (like Transportation, Communication etc. @ 2% of Project Cost)	2.51
3	<b>Sub Total</b>	<b>127.82</b>
4	RISL Service Charges @ 10%	12.78
5	GST @ 18% of Sr. No. 4	2.30
6	<b>Total Estimated Project Cost (3+4+5)</b>	<b>142.91</b>

**Fund Management:** Necessary funding for the project proposal is to be provisioned by concerned Department only.

The Committee discussed in depth on the proposal and technically approved the project for one (1) year with estimated project cost of rupees 142.91 Lakhs.

Further, Secretary, Labour & Employment Department apprised that the project should be extended for five (5) years with the existing vendor instead of one (1) year; so that the services to the citizens can be provided seamlessly without any obstacle.

**In response of that; the matter was discussed by the Committee and the Committee accords technical approval for project proposal for additional 4 years also with total revised cost of Rs. 714.55 Lakh (Rs. 142.91 Lakh \* 5 Years) as appraised by Secretary, Labour & Employment Department. Further required action may be taken by the Department as per prevailing procurement rules.**

Meeting was ended with a vote of thanks to the chair.

This bears the approval of competent level.




(Ambrish Kumar)  
Commissioner &  
Special Secretary, IT&C



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Copy is forwarded for kind information and further necessary action (if any) to:

1. P.S. to Addl. Chief Secretary, Finance Department, Rajasthan, Jaipur
2. P.S. to Principal Secretary, Planning Department, Rajasthan, Jaipur
3. P.S. to Principal Secretary, Department of IT&C, Raj., Jaipur
4. P.S. to Secretary, Women & Child Dev. Department, Raj., Jaipur
5. P.S. to Secretary & Commissioner, Labour & Employment Dept., Rajasthan, Jaipur
6. P.S. to Commissioner, Industries Department, Rajasthan, Jaipur
7. P.S. to Commissioner & Special Secretary, Department of IT&C, Raj., Jaipur
8. P.S. to Commissioner, Excise Department, Udaipur
9. P.S. to Director, Women & Child Development (ICDS) Department, Raj., Jaipur
10. Asst. P.S. to Director (T), RajCOMP Info Services Ltd. (RISL), Jaipur
11. P.S. to Director, Employment Department, Jaipur
12. P.S. to Director, State Insurance & Provident Fund Department, Jaipur
13. P.S. to Chief Engineer (IT), Raj. Rajya Vidyut Prasaran Nigam Ltd. (RVPNL), Jaipur
14. P.A. to Joint Secretary (Exp. -III), Finance Department, Raj., Jaipur
15. DDG & SIO, NIC, Rajasthan, Jaipur
16. Financial Advisor, Department of IT&C, Jaipur
17. P.S. to Prof. Rahul Banerjee, Director, LNMIIT, Jaipur
18. Shri Rajesh Gupta, SA (JD), SI & PF Department
19. Shri Manoj Kumar Maheshwari, ACP (DD), WCD (ICDS) Department, Raj., Jaipur
20. Smt. Charan Jit Kaur, ACP (DD), Employment Department
21. Shri Praveen Mathur, Assistant Director, Employment Department
22. Shri Devesh Badmera ACP (DD), Industries Department
23. Shri Vijay Prakash, ACP (DD), BSDC, Jaipur
24. Shri Manish Athaiya, Executive Engineer, RVPNL, Jaipur
25. Shri Subhash Patni (Consultant), Finance (Excise) Department
26. Shri Umesh Chand Joshi, ACP (DD), Department of IT&C

  
**(B.S. Nathawat)**  
**Technical Director &**  
**Joint Secretary, IT&C**



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**Annexure-"A"**

### 77<sup>th</sup> Meeting of SeMT – List of Attendees

S. No.	Officer Name	Designation & Department
1.	Shri Naveen Jain	Secretary, Labour & Employment Department
2.	Shri Ambrish Kumar (Through VC)	Commissioner & Special Secretary, IT&C
3.	Shri Abhimanyu Kumar	Director(Technical), RISL
4.	Ms. Sushma Arora	Director, ICDS
5.	Shri Sarvesh Tiwari	Joint Secretary, Finance (Exp.-3) Department
6.	Shri B.S. Nathawat	Tech. Director & Joint Secy., Department of IT&C
7.	Shri Y.K Raizada	Director (Technical), RVPN
8.	Shri R.K Jain	Chief Engineer (IT), RVPN
9.	Shri Ashok Kumar Garg	Financial Advisor, Department of IT&C
10.	Shri Tarun Toshniwal	DDG & SIO, NIC-Rajasthan, Jaipur
11.	Ms. Mala Saxena	Technical Director, NIC-Rajasthan, Jaipur
12.	Shri R.L Solanki	Additional Director, RISL
13.	Shri Rajesh Gupta	System Analyst (Joint Director), SI&PF Department
14.	Ms. Sonia Chaturvedi	System Analyst (Joint Director), Department of IT&C
15.	Ms. Shipra Vikram	Joint Director, GAD/ NPS, SI&PF Department
16.	Shri V.A Kala	Executive Engineer, RVPNL
17.	Shri Nitin Verma	ACP (Dy. Director), Department of IT&C
18.	Shri Jitendra Sharma	ACP (Dy. Director), RSBCL, Jaipur
19.	Shri Umesh Chand Joshi	ACP (Dy. Director), Department of IT&C
20.	Shri Vijay Prakash	ACP (Dy. Director), BSDC
21.	Shri Devesh Badmera	ACP (Dy. Director), Industries Department
22.	Shri Manoj Maheswari	ACP (Dy. Director), ICDS
23.	Shri Rajkumar Singh	ACP (Dy. Director), Department of IT&C
24.	Ms. Charanjeet Kaur	ACP (Dy. Director), Employment Department
25.	Shri Suresh Kumar Jangid	ACP (Dy. Director) Labour Department
26.	Shri K.K Pareek	Dy. Director, Industries Department
27.	Shri Dharmendra Punia	Dy. Director, Industries Department
28.	Shri Mohammed Qureshi	Accounts Officer, Excise Department Udaipur
29.	Shri Dinesh Nagori	Administrative Officer, Excise Department Udaipur
30.	Shri Kailash Chandra Sethi	Asst. Admin. Officer, Industries Department
31.	Shri Praveen Mathur	Asst. Director, Employment Department
32.	Shri Manoj Kumar Poonia	Project Manager, Labour Department
33.	Shri Prateek Mittal	Assistant Manager (Technical), RISL
34.	Shri Paritosh K. Shah	OSD (Technical), RVPNL
35.	Shri Subhash Patni	Consultant, Finance (Excise) Department

*For*



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### Annexure –“B”

Technical specifications recommended for computer h/w required by **Employment Department** are as under:

#### (a) Desktop Computer:

Parameters	Specification
Processor	Intel® Core™ i5 (8 Generation) 6 core, with minimum 3.0 GHZ or higher Or Equivalent AMD Ryzen 5 PRO, 6 core, with minimum 3.0 GHZ or higher
Chipset	Intel B360/H370 or AMD-B350
Memory	4 GB DDR4, 2666 MHz upgradable to 32 GB
Hard Disk (GB)	1 TB 7200 RPM SATA Drive
Monitor	19.5 " or higher, resolution 1920 x 1080 with TCO 7.0 certified
Mouse	Optical mouse with mouse pad
Keyboard	USB keyboard (104 keys or higher)
Optical Drive	DVD R/W
PCI Slot	1-PCIe x1, 1-PCIe x16 and 1 PCI
Graphics	HD graphics
Bays	1-Internal, 1- External
Network Connectivity	10/100/1000 on board integrated Gigabit Port
Ports	4- USB Port 2.0, 4- USB Port 3.0, 1- Serial Port, 1-VGA, 1-HDMI out. 1-network port, 1-line in/out and microphone port
Power Supply (Watt)	290 or better with 90% efficiency
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64-bit) with OEM recovery partition
Certification	ROHS Compliance, BEE / Energy Star certified for the given Model, EPEAT Registered for quoted Desktop & Monitor
Internet Security	MacAfee/ Norton/ Kaspersky/ Quick heal/ Sophos/ Trend Micro Internet Security S/w (3 Years subscription)

#### (b) Multifunction Function Printer:

Parameter	Specifications
Functions	Print, Scan and Copy
Print technology	A4 Monochrome Laser with Duplex Feature
Print Speed	25 PPM or Higher
Copy Speed	20 PPM or higher
Scan Speed	Minimum 8 PPM
Print Resolution	600 x 600 dpi or Higher
Scan Resolution	600 x 600 (color) or Higher
Duty cycle	12,000 pages or higher
Yield of Cartridge	Minimum 1200
Processor speed	400 MHz or Higher
Scanner Type	Flatbed, ADF



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Parameter	Specifications
Print Languages, standards	Standard print Languages, PCL
Connectivity	USB, Ethernet
Memory	128 MB or higher
Paper Tray	250 sheets or more, universal Tray
Number of print cartridges	2 (black) (1 with Printer + 1 Extra, Packed)
Accessories	All necessary connecting chords and cables
Support	Driver CD would be provided for support & maintenance
BIS registration	Yes
Compatibility	Windows 7 (32/64 bit) or higher
Energy Star certification	Yes

**(c) On-Line 1 KVA UPS:**

Feature	Specifications
Rating in KVA (KVA)	1.0 KVA
Technology	IGBT-PWM with inbuilt transformer
Input Power	single phase 160V - 260V sinewave, 50Hz
Input Power factor	>0.99
Output power	Single phase 230V +/-1% sinewave 50 Hz
Output Power factor	0.9
Backup Time	30 minutes
Minimum VAH	450 VAH
Minimum thickness of M.S. Sheet Enclosure duly painted (mm)	1.2 mm
Type of Battery	SMF-VRLA (Exide, Amaron, Panasonic etc.)
Overall Efficiency (%)	> 80% or above
Protection of Over voltage, Short Circuit & over load at UPS output Terminal	Yes
Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes
Availability of the Type Test Report from Central Govt./NABL/ILAC Accredited lab covering all technical requirements.	The OEM should submit type test report of quoted item issued by State/Central Govt. laboratory.
As per MeITY (Govt. of India) guidelines UPS shall have valid BIS CRS certifications as applicable.	BIS certificate should be in the name of Indian OEM
OEM Certificates	ISO 14001, OHSAS and ISO 9001

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**Annexure –“C”**

Technical specifications recommended for computer h/w required by **State Insurance & Provident Fund Department (SI&PF Department)** are as under:

**(A) Desktop Computer**

Description	Minimum Specification/ Requirement
Processor	Intel® Core™ i5 (8 Generation) 6 core, with minimum 3.0 GHZ or higher Or Equivalent AMD Ryzen 5 PRO, 6 core, with minimum 3.0 GHZ or higher
Chipset	Intel H370 or AMD-B350
Memory	8GB DDR4 2667 MHz or higher expandable up to 32 GB
Hard Disk Drive	1 TB 7200 RPM SATA Drive
Monitor	19.5" or higher, IPS Technology Color monitor with TCO 7.0 Certified
Optical Drive	DVD R/W
Keyboard & Mouse	Standard OEM Keyboard Optical Scroll Mouse
Cabinet	Tower
Networking facility	10/100/1000 on board Integrated Gigabit Port and integrated Wi-Fi
Graphics	Integrated HD Graphics
PCI Slot	1-PCIe x1, 1-PCIe x16, 1-PCI
Ports	Minimum 8 USB ports out of which Min 4 USB 3.0, Universal audio jack for headphone/mic, 1-VGA, 1-HDMI
Certification	ROHS Compliance, BEE / Energy Star certified, EPEAT Registered
Operating System	Windows 10 Professional 64 bit preloaded with recovery system
Preloaded Software	Norton/e-Scan/Trend Micro/Quick heal/ Sophos Antivirus (Latest Version) With minimum three years Subscription.
Accessories	All necessary cables like power & data cables as per requirements and required driver CDs

**(B) Laptop**

Description	Minimum Specification/ Requirement
Processor	Intel® Core™ i7 (8 generation) quad core, with minimum 1.8 GHz or higher, cache 6 MB or higher Or Equivalent AMD Ryzen 7 PRO, quad core, with minimum 1.8 GHz or higher, Cache 6 MB or higher
Chipset	Compatible Intel Chipset
Memory	8 GB DDR4 2400 MHz or higher expandable up to 32 GB
Hard Disk Drive	1 TB or higher
Keyboard	Spill resistant keyboard
Network card	Integrated 10/100/1000 Gigabit Ethernet LAN
Wireless Connectivity	Bluetooth 4.0 or above & 802.11a/b/g/n
Display Size	14" or higher HD display
Graphics	Integrated HD Graphics
Ports	Minimum 2 USB 3.0 or higher, 1 USB Type C, 1 VGA,



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Description	Minimum Specification/ Requirement
	1 HDMI, 1 RJ-45/Ethernet-1, Headphone/ microphone combo/separate, 1 multi-format SD media card reader
Webcam	HD or better
Battery Type	Li-Ion/ li-Polymer (Built -in)
Battery Backup	6 Hours
Operating System	Preloaded with OEM Pack Windows 10 Professional (64 bit)
Preloaded Software	Norton or McAfee/e-Scan/ /Trend Micro/ Sophos/ Quick heal Antivirus (Latest Version) With minimum three (3) year Subscription.
Ruggedness	MIL STD 810 G certified
Certification	ROHS Compliance, EPEAT, Energy Star, certified for supplied OS.
Accessories	Carry bag and all necessary cables like power & data cables as per requirements and required driver CDs

**(C) Printer**

Description	Minimum Specification/ Requirement
Print Technology	Laser jet
Speed	25 PPM or higher (A4)
Cartridge Technology	Separate drum & tonner
Print Resolution	Up to 600 x 600 dpi or Higher
Port	High speed USB 2.0 port or higher
Paper Tray	1 Trays or more
Memory	128 MB or higher
Networking	Built in Ethernet
Duplex Printing	Yes - Automatic (standard)
Wireless capability	Yes
Compatible Operating System	Full software install support on : Windows Mac OS X &up, Linux
Accessories	All necessary cables like power & data cables as per requirements and required driver CDs

**(D) Scanner**

Description	Minimum Specification/ Requirement
Scanner Type	Flatbed and ADF
Scanning Technology	CIS/CCD
Document Size	A4 and Legal ( Flatbed)
Optical Resolution	1200 DPI or higher
Monochrome/ color	30 PPM/ 60 IPM or Higher
Scan Speed	
Scanning Feature	Duplex
ADF Capacity	Minimum 50 Sheet
Daily Duty cycle	1500 Page or Higher
OS Compatibility	Windows XP, 7, 8 or higher, MAC, Linux compatible
Scan File format	PDF,JPEG,PNG,BMP,TIFF,TXT(text), RTF(Rich Text) and searchable PDF
Accessories	All necessary cables like power & data cables as per requirements and required driver CDs





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**Annexure –“D”**

Technical specifications recommended for computer h/w required by **Women & Child Development Department (WCD Department)** are as under:

**(A) Laptop**

<b>Description</b>	<b>Minimum Specification</b>
Processor	Intel® Core™ i7 (8 generation) quad core, with minimum 1.8 GHz or higher, cache 6 MB or higher
Chipset	Compatible Intel Chipset
Memory	8 GB DDR4 2400 MHz or higher expandable upto 32 GB
Hard Disk Drive	1 TB 7200 RPM SATA Drive
Network card	Integrated 10/100/1000 Gigabit Ethernet LAN
Wireless Connectivity	Bluetooth 4.0 or above & 802.11a/b/g/n
Display Size	14" or higher HD display
Graphics	Integrated HD Graphics
Ports	Minimum 3 USB 3.0 or higher, 1 USB Type C, 1 VGA, 1 HDMI, 1 RJ-45/Ethernet-1, Headphone/ microphone combo/separate, 1 multi-format SD media card reader
Webcam	HD or better
Battery Type	Li-Ion/ Li-Polymer (Built -in)
Battery Backup	6 Hours
Operating System	Pre-installed Genuine OEM Microsoft Windows 10 Professional (64 bit) with OEM recovery partition.
Preloaded Software	Norton/McAfee/Trend Micro/Quick heal/Sophos Antivirus (Latest Version) With minimum three year Subscription.
Ruggedness	MIL STD 810 G certified
Certification	ROHS Compliance, EPEAT, Energy Star, certified for supplied OS.
Accessories	Carry bag and all necessary cables like power & data cables as per requirements and required driver CDs

**(B) Desktop Computer**

<b>Description</b>	<b>Minimum Specification</b>
Processor	Intel® Core™ i5 (8 Generation) 6 core, with minimum 3.0 GHZ or higher
Chipset	Intel H370
Memory	8 GB DDR4 2667 MHz or higher expandable up to 32 GB
Hard Disk Drive	1 TB 7200 RPM SATA Drive
Monitor	19" or higher, IPS technology colour monitor with TCO 7.0 Certified
Optical Drive	DVD R/W
Keyboard &	Standard OEM Keyboard
Mouse	Optical Scroll Mouse
Cabinet	Tower
Networking facility	10/100/1000 on board Integrated Gigabit Port and integrated Wi-Fi
Graphics	Integrated HD Graphics
PCI Slot	1-PCIe x1, 1-PCIe x16, 1-PCI



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Description	Minimum Specification
Ports	Minimum 8 USB ports out of which Min 4 USB 3.0, Universal audio jack for headphone/mic, 1-VGA, 1-HDMI
Certification	ROHS Compliance, BEE / Energy Star certified, EPEAT Registered
Operating System	Windows 10 Professional 64 bit preloaded with recovery system
Preloaded Software	Norton/e-Scan/Trend Micro/Quick heal Antivirus (Latest Version) With minimum three years Subscription.
Accessories	All necessary cables like power & data cables as per requirements and required driver CDs

**(C) Multifunction Function Printer**

Description	Minimum Specification
Functions	Print, Scan and Copy
Print technology	A4 Monochrome Laser with Duplex Feature
Print Speed	25 PPM or Higher
Copy Speed	20 PPM or higher
Scan Speed	Minimum 8 IPM
Print Resolution	600 x 600 dpi or Higher
Scan Resolution	600 x 600 (color) or Higher
Duty cycle	12,000 pages or higher
Yield of Cartridge	Minimum 1200
Cartridge Technology	Composite
Processor speed	400 MHz or Higher
Scanner Type	Flatbed, ADF (A4, Legal size paper)
Print Languages, standards	Standard print Languages, PCL
Connectivity	USB, Ethernet
Memory	128 MB or higher
Paper Tray	250 sheets or more, universal Tray
Number of print cartridges	1 Black with Printer
Accessories	All necessary connecting chords and cables
Support	Driver CD would be provided for support & maintenance
BIS registration	Yes
Compatibility	Windows 7 or higher (32/64 bit)
Energy Star certification	Yes

**(D) Colour Printer**

Description	Minimum Specification
Print Speed Black/ Colour	Minimum 25 PPM
Resolution	600dpi, Up to 2400 enhanced dpi or higher
Processor Speed	1200 MHz
Duty cycle	minimum 50000 pages
Std. Connectivity	Hi-Speed USB 2.0 port; Host USB



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Description	Minimum Specification
Network connectivity	Built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Standard (built-in Gigabit Ethernet, Wi-Fi) [Operates as both an AP(with Wi-Fi Direct) and STA
Mobile Printing	Google Cloud Print 2.0
Memory	256 MB or higher
Duplex	Yes
Energy Efficiency	ENERGY STAR® certified;
Display	3" LCD/LED Display
Security Features	Embedded Web Server: password-protection, secure browsing via SSL/TLS Network: enable/disable network ports and features, Print: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firewall and ACL; SNMPv3, 802.1X, Secure Boot, authentication via WEP
Password Protection	Yes
IPv4 Address Protection	Yes

**(E) Heavy Duty Printer**

Description	Minimum Specification
Functions	Print, Scan and copy
Print Technology	Laser
Print Speed	Simplex: 35 ppm Duplex: 17 ppm
Copy Speed	Simplex: 30 cpm Duplex: 12 cpm
Scan Speed	Black & White: 20 ipm Color: 6 ipm
Print Resolution	1200 x 1200 dpi
Scan Resolution	600 x 600 dpi
Duty Cycle	Monthly Duty Cycle: 50,000 Pages
Processor speed	1 GHz
Scanner Type	Flatbed, ADF (A4, Legal size paper)
Print Languages	PCL 5e, PCL 6, PDF Direct, TIFF, JPEG, Adobe PostScript 3
Connectivity	USB 2.0 , Ethernet, Wi-Fi
Memory	1.5 GB
Paper Tray	Input Tray 1: 250 sheets Bypass Tray: 50 sheets ADF: 50 sheets Output Tray: 150 sheets
No. of Print Cartridges	One Black with Printer

**(F) On-Line 1 KVA UPS**

Feature	Specifications
Rating in KVA	1.0 KVA
Technology	IGBT-PWM with inbuilt transformer
Input Power	single phase 160V - 260V sinewave, 50Hz



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Feature	Specifications
Input Power factor	>0.99
Output power	Single phase 230V +/-1% sinewave 50 Hz
Output Power factor	0.9
Backup Time	30 minutes
Minimum VAH	450 VAH
Minimum thickness of M.S. Sheet Enclosure duly painted (mm)	1.2 mm
Type of Battery	SMF-VRLA (Exide, Amaron, Panasonic etc.)
Overall Efficiency (%)	> 80% or above
Protection of Over voltage, Short Circuit & over load at UPS output Terminal	Yes
Indicators for mains presence, Battery charging and discharging, Output Over Load, Low Battery Voltage	Yes
Availability of the Type Test Report from Central Govt./ NABL/ ILAC Accredited lab covering all technical requirements	The OEM should submit type test report of quoted item issued by State/Central Govt. laboratory.
As per MeITY (Govt. of India) guidelines UPS shall have valid BIS CRS certifications as applicable.	BIS certificate should be in the name of Indian OEM
OEM Certificates	ISO 14001, OHSAS and ISO 9001

**(G) Online 20.0 KVA UPS**

Feature	Specification
Rating in KVA	20.0 KVA
Technology	3 Level IGBT based
Input Power	Three phase 300 V-460 sinewave, 50 Hz
Input Power factor	0.99 (unity)
Output Power	Single phase 230v +/- 1% sinewave 50 Hz
Output Power factor	0.9 (unity)
Degree of Protection	IP20
Type of Battery	SMF-VRLA conforming to JISC:8702 (Pt. I, II & III)



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Feature	Specification
Battery make	Quanta/Exide/Panasonic or equivalent
Backup Time	60 Minutes
Minimum VAH	Minimum 32000
Warranty for UPS & battery	2 Years
Protection	Protection over voltage. Short circuit & over load at UPS output terminal with suitable copper plate earthing.
LCD Display	LCD display & LED for normal mode/load on battery/ load on bypass/ system fault
Total harmonic Distortion (THD) (%)	< 5%
Overall Efficiency (%)	>=90%
Load crest factory	3:1
Noise level	< 55 DB at a distance of one meter
Operating temperature	0-45 degree C
Cold Start	Cold start should be available
Certification	ISO 9001, OHSAS and ISO 14001 certified

**(H) Online 10.0 KVA UPS**

Feature	Specification
Rating in KVA	10.0 KVA
Technology	3 Level IGBT based
Input Power	Three phase 300 V-460 sinewave, 50 Hz
Input Power factor	0.99 (unity)
Output Power	Single phase 230v +/- 1% sinewave 50 Hz
Output Power factor	0.9 (unity)
Degree of Protection	IP20
Type of Battery	SMF-VRLA conforming to JISC:8702 (Pt. I, II & III)
Battery make	Quanta/Exide/Panasonic or equivalent
Backup Time	60 Minutes
Minimum VAH	Minimum 32000
Warranty for UPS & battery	2 Years
Protection	Protection over voltage. Short circuit & over load at UPS output terminal with suitable copper plate earthing.
LCD Display	LCD display & LED for normal mode/load on battery/ load on bypass/ system fault
Total harmonic Distortion (THD) (%)	< 5%
Overall Efficiency (%)	>=90%
Load crest factory	3:1
Noise level	< 55 DB at a distance of one meter
Operating temperature	0-45 degree C
Cold Start	Cold start should be available
Certification	ISO 9001, OHSAS and ISO 14001 certified