



Government of Rajasthan  
Rajasthan State Health Society-NHM  
Swasthya Bhawan, Tilak Marg, Jaipur 302005

F.32( )/NRHM/CSR/BSBY/sP-3

Date: 31/10/15

To  
All Principal and Controller, Medical College,  
All Superintendent, Medical College Hospital,  
All Principal Medical Officer,  
Rajasthan

**Subject: Technical specifications of computer hardware and equipments for Bhamashah Swasthya Bima Yojana (BSBY).**

Ref.: F4.2(195)/RISL/Tech/2015/3973 dtd 07/09/2015;

In reference to the above cited subject, please find enclosed herewith technical specifications of computer hardware and equipments required for the smooth operations of Bhamashah Swasthya Bima Yojana (BSBY).

1. Desktop computer
2. Offline UPS (1 KVA)
3. Medium Level Multi Functional Printer (MFP) or Printer + Scanner
4. IRIS & Finger Print Scanner Devive (as per UIDAI)

**It is to be done by 20th Nov. 2015**

Encl: As above.

(Dr. Niraj K. Pawan)  
Additional Mission Director,  
National Health Mission

Copy for information and necessary action:-

1. PS to Special Secretary, MH&FW and Mission Director, NHM
2. PS to Commissioner & Secretary, DoIT&C
3. Dr. Avtar Singh Dua, General Manager (Technical)
4. Sh. Tapan Kumar, ACP (DD), DoIT&C
5. Consultant-ISC/IT, NHM

Additional Mission Director,  
National Health Mission

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31/10/15

**Technical specifications of computer hardware and equipments for Bhamashah Swasthya Bima Yojna (BSBY) for letter no. SP-3 dated 31/10/2015.**

**A. Specifications of Desktop Computer**

SNo.	Specification	
1.	CPU	Intel i3-4130 or higher, 3.40 GHz or higher, 3MB Cache or higher
2.	Chipset	Intel H8 series
3.	Memory	4 GB 1600 MHz DDR3 RAM with 16 GB Expandability
4.	HDD	500 GB 7200 rpm or higher
5.	Monitor	47 cm (18.5 inch) or larger TFT/LED Digital Colour Monitor (with TCO-05 Certified)
6.	Keyboard	104 Keys
7.	Mouse	Optical with USB interface
8.	Bays	3 Nos. or above
9.	Optical drive	8x or better DVD RW Drive
10.	Cabinet	Mini Tower/ Tower
11.	Ports	6 USB Ports or more (at least 2 USB with 3.0), 1 Display port/ VGA port, audio ports for microphone and headphone in front.
12.	Bus Architecture	3 PCI (PCI/ PCI Express) or more
13.	Network facility	Integrated 10/100/1000 on board integrated network port
14.	Operating system	Windows 8.1 or higher preloaded with media and documentation and Certificate of Authenticity; OS Certifications: Windows 8.1 OS
15.	Preloaded Antivirus Software	Microsoft Security Essentials
16.	Warranty	1-5 years

**B. Specifications of Line Interactive UPS (1 KVA) with 30 Minutes Backup**

SNo.	Specification	
1.	Standards	CE Rated
2.	Type of UPS	Line Interactive with AVR
3.	Backup for 1 Desktop and 1 Printer	30 minutes
	<b>Output parameters</b>	
4.	Capacity	1 KVA/ 600 W
5.	Nominal voltage	220/ 230/ 240 Vac
6.	Voltage regulation	+/- 5% (line mode) +/- 10% (battery mode)
7.	Frequency	50/ 60 Hz
8.	Frequency regulation - Free run (Unsynchronized with bypass)	+/- 1.0 Hz
9.	Frequency regulation - (Synchronized with bypass)	50/ 60 Hz +/-1.0
10.	Overload capacity	110% - 5 min to fault
11.	AC - AC Efficiency	>95% line mode >88% battery mode
12.	Transfer time - Mains to battery	4-6ms typical, 10ms max
	<b>Input parameters</b>	

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13.	Nominal voltage	220/ 230/ 240 Vac
14.	Voltage range	160 – 300 VAC
15.	Frequency	50/ 60 Hz
16.	Frequency range – Hz	46-54 Hz or 56-64 Hz
17.	Monitoring Software	WINPOWER
18.	Warranty	1-5 years

**C. Multi Functional Printer OR LaserJet Printer and Flatbed Scanner**

<b>Multi Functional Printer</b> MFP Printer/ Copier/ Scan: A4, Mono, 18 PPM, 600 x 600 dpi, 8 MB Memory, USB with Flatbed Scanner, 8000 pages duty cycle, 1 year warranty, Compatible to Windows OS.	<b>OR</b>	<b>LaserJet Printer</b> A4, Mono, 22 PPM, 600 x 600 dpi, 8 MB Memory, USB Port With 8000 pages duty cycle, 1-3 years warranty, Compatible to Windows OS.
		<b>Flatbed Scanner</b> A4, Mono, 22 PPM, 600 x 600 dpi, 8 MB Memory, USB Port With 8000 pages duty cycle, 1-3 years warranty, Compatible to Windows OS.

**D. Finger Print Scanner/Sensor**

Optic Module	U20
Image resolution	500 DPI
Image Size	300 x 400 pixels
Platen Size	18.2 mm x 22.9 mm
Effective Sensing Area	15.24 mm x 20.32 mm
Image Grayscale	256 levels (8-bit)
Light source/Typical Lifetime	LED/60,000 Hours
Fingerprint Capture Speed	0.2~0.5 sec with Smart Capture
<b>Electrical/ Communication</b>	
Interface	USB 1.1 Full-Speed, USB 2.0 HI-Speed
Supply Voltage	5 V DC (via USB)
Current Consumption (max)	150 mA
<b>Physical</b>	
Dimension (W x L x.H)	53.9 x 58.5 x 31.6 mm
Weight	98g
Cable Length	1500 mm
Operating Temperature	-20° ~ 65°C
Operating Humidity	90% or less RH, noncondensing
<b>Other</b>	
Supported Operating Systems	Windows 8.1, 8, 7, Windows Sever 2012, 2008 R2, 2003, Java, Linux
Supported Standards	FBI PIV-071006 & Mobile ID FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4
Compliance	FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC
Warranty	1-3 years

**E. Webcam**

Plug and play, 1.3 Mega pixel and above

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