

F. No. NNM/59/2017-CPMU
Government of India
Ministry of Women & Child Development

Shastri Bhawan, New Delhi - 110001

Dated the 17th January, 2018

To

The Principal Secretaries/ Secretaries, Department of Social Welfare / Women & Child Development, All States/ UTs

Subject: Specifications of Smart phone, Tablet and Power bank under National Nutrition Mission (NNM) – regarding

Sir/Madam,

Please refer to this Ministry's letter No. NNM/7/2017-WBP dated 18th December, 2017 vide which administrative approval for setting-up of National Nutrition Mission (NNM) was conveyed to all the States and UTs.

2. One of the key activities under NNM is Information and Communication Technology enabled Real Time Monitoring (ICT-RTM) of Anganwadi Services. To monitor service delivery through ICT, Common Application Software (CAS) and IT-related assistance is to be provided to the field functionaries. All AWWs are to be equipped with a smart phone for capture of data and Lady Supervisors with a tablet. These devices will be procured at State/UT level and are to be pre-loaded with the application software (ICDS-CAS). The software and guidelines will be provided separately.

3. In this regard, I am directed to forward herewith the specifications of Smart phone, Tablet and Power bank. These devices have to be procured through Government e-Marketplace (GeM).

4. States/UTs are requested to take necessary action for procurement of Smart phones, Tablets and Power banks through GeM.

Yours faithfully,

Encl: as above



(Manoj Kumar Singh)

Director

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Minimum Technical Specifications for the devices

A. Specifications of Smart Phone

Operating system: <ul style="list-style-type: none">o Android operating system version is 7.0 Nougat or above
Screen resolution: <ul style="list-style-type: none">o 800 X 480 or bettero Multi-toucho TFT capacitive touchscreen, 24 bit/16.7 Million color or better
Screen size: <ul style="list-style-type: none">o 5" or more
Screen and mobile protection: <ul style="list-style-type: none">o Corning Gorilla or equivalent scratch proof glass with scratch proof covers / coating
Device RAM size: <ul style="list-style-type: none">o 2GB or higher
Processor: <ul style="list-style-type: none">o Minimum quad core processor of 1.3GHz or higher
Battery: <ul style="list-style-type: none">o Min 2800 mAh batteryo Expected battery life that can last an entire work dayo At least 5 days standby timeo 16 hours talk time
Ruggedized <ul style="list-style-type: none">o Device should handle minor bumps without the screen breaking
Connectivity: <ul style="list-style-type: none">o Supports 2G, 3G, 4G, Wi-Fi and Wi-Fi direct connectivityo Supports Bluetootho Micro USB connectivityo Availability of USB OTG functionality
Internal storage: <ul style="list-style-type: none">o 16GB or more
microSD: <ul style="list-style-type: none">o microSD memory sloto Provided 32GB SD card
Unicode: <ul style="list-style-type: none">o Supports Unicode for regional languages script rendering in fonts for English and all regional languages of India
SIM card: <ul style="list-style-type: none">o SIM card compatible
Image capture: <ul style="list-style-type: none">o Camera, at least 5 Megapixel resolutiono Geotag supported camera

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<p>Location capture:</p> <ul style="list-style-type: none"> ○ Supports both Standalone GPS and AGPS
<p>Speaker:</p> <ul style="list-style-type: none"> ○ Hands-free Speaker with adjustable loudspeaker volume (preferably 60 dB or above) with good quality (noise/crosstalk)
<p>File formatted supported for recording:</p> <ul style="list-style-type: none"> ○ Image <ul style="list-style-type: none"> ○ JPEG ○ PNG ○ Audio <ul style="list-style-type: none"> ○ mp3 ○ Video <ul style="list-style-type: none"> ○ 3gp
<p>File formatted supported for playing:</p> <ul style="list-style-type: none"> ○ Image <ul style="list-style-type: none"> ○ JPEG ○ PNG ○ Audio <ul style="list-style-type: none"> ○ mp3 ○ Should play audio with no quality issues ○ Video <ul style="list-style-type: none"> ○ 3gp ○ Should be able to play HD videos
<p>Availability:</p> <ul style="list-style-type: none"> ○ Available State/UT wide ○ Special check for availability in remote deployment
<p>Accessories:</p> <ul style="list-style-type: none"> ○ Battery charger ○ Headset ○ Data cable ○ Power bank ○ Dust proof pouch ○ Rugged mobile case to tackle minor bumps ○ Screen protector that improves visibility of the screen in bright daylight ○ Audio headset jack with headphones included (AV 3.5mm phone port)
<p>Warranty:</p> <ul style="list-style-type: none"> ○ Device Warranty: 2 Year ○ Battery Warranty: 2 Year

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B. Specifications of Tablet

Operating system: <ul style="list-style-type: none">o Android operating system version is 7.0 Nougat or above
Screen resolution: <ul style="list-style-type: none">o 600 x 1024 or bettero Multitoucho TFT capacitive touchscreen, 24 bit/16.7 Million color or better
Screen size: <ul style="list-style-type: none">o 7" or more
Screen and mobile protection: <ul style="list-style-type: none">o Corning Gorilla or equivalent scratch proof glass with scratch proof covers / coating
Device RAM size: <ul style="list-style-type: none">o 2GB or higher
Processor: <ul style="list-style-type: none">o Minimum quad core processor of 1.3GHz or higher
Battery: <ul style="list-style-type: none">o Min 3500 mAh batteryo Expected battery life that can last an entire work dayo At least 5 days standby timeo 10 hours video playback time
Ruggedized <ul style="list-style-type: none">o Device should handle minor bumps without the screen breaking
Connectivity: <ul style="list-style-type: none">o Supports 2G, 3G, 4G and Wi-Fi and Wi-Fi direct connectivityo Supports Bluetootho Micro USB connectivityo Availability of USB OTG functionality
Internal storage: <ul style="list-style-type: none">o 16GB or more
microSD: <ul style="list-style-type: none">o microSD memory sloto Provided 32GB SD card
Unicode: <ul style="list-style-type: none">o Supports Unicode for regional languages script rendering in fonts for English and all regional languages of India
SIM card: <ul style="list-style-type: none">o SIM card compatible
Image capture: <ul style="list-style-type: none">o Camera, at least 5 Megapixel resolutiono Geotag supported camera
Location capture: <ul style="list-style-type: none">o Supports both Standalone GPS and AGPS
Speaker: <ul style="list-style-type: none">o Hands-free Speaker with adjustable loudspeaker volume (preferably 60 dB or above) with good quality (noise/crosstalk)

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<p>File formatted supported for recording:</p> <ul style="list-style-type: none"> ○ Image <ul style="list-style-type: none"> ○ JPEG ○ PNG ○ Audio <ul style="list-style-type: none"> ○ mp3 ○ Video <ul style="list-style-type: none"> ○ 3gp
<p>File formatted supported for playing:</p> <ul style="list-style-type: none"> ○ Image <ul style="list-style-type: none"> ○ JPEG ○ PNG ○ Audio <ul style="list-style-type: none"> ○ mp3 ○ Should play audio with no quality issues ○ Video <ul style="list-style-type: none"> ○ 3gp ○ Should be able to play HD videos
<p>Availability:</p> <ul style="list-style-type: none"> ○ Available State/UT wide ○ Special check for availability in remote deployment
<p>Accessories:</p> <ul style="list-style-type: none"> ○ Battery charger ○ Headset ○ Data cable ○ Power bank ○ Dust proof pouch ○ Rugged mobile case to tackle minor bumps ○ Screen protector that improves visibility of the screen in bright daylight ○ Audio headset jack with headphones included (AV 3.5mm phone port)
<p>Warranty:</p> <ul style="list-style-type: none"> ○ Device Warranty: 2 Year ○ Battery Warranty: 2 Year

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C. Specifications of Power Bank

Description	Specification
Battery Capacity	At least 10,000 mAh
Battery Cell Type	Lithium-ion rechargeable battery UL Certified
Charging Time	Less than 6 hours on 5V/2A plug and standard cable
Power Supply	AC Adapter (AC 100 -240 V, 50 - 60 Hz)
Weight	Less than 300 gms
Expected charge cycles while maintaining at least 80% of its capacity	At least 500 times
Efficiency	At least 75%
Output Power	DC 5V 2.0A or higher
Ports	At least one charging port and one Micro USB port
Safety Features	<ul style="list-style-type: none"> • Temperature Protection • Short circuit Protection • Reset Protection • Input over Voltage Protection • Output over Voltage Protection • Input reverse direction protection • Over charge/ over discharge protection • Cell PTC Protection • Adapter Protection • Protective Circuitry
Charging Temperature	0°C – 45°C
Operating Temperature	-20°C~+60°C
Certification	BIS certified (IS 13252)
Compatible with	Proposed phone and tablet
Accessories	<ul style="list-style-type: none"> • Standard charger and power cable • Standard Micro USB cable

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