DEPARTMENT OF WOMEN & CHILD DEVELOPMENT
GOVERNMENT OF N.C.T. OF DELHI
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ORDER

The Integrated Child Development Service (ICDS) scheme is a flagship program of the Government, cost of which is shared by Centre and state in the share of 60:40. The program addresses the nutritional needs of children, pregnant women and lactating mothers.

The ICDS-CAS(Common Application Software) solution is designed to be a beneficial job aid for Aanganwadi Workers(AWWs) and Sector Supervisors(SS) to assist them in catering the needs of women and children more efficiently through mobile/tablet based application to which Department is required to procure smart phones, tablets and accessories etc to which a selection cum procurement committee is to be constituted accordingly.

The selection cum procurement committee constituted with following members for calculating the cost of hardware (smart phones, tablets, weighing machine, stadiometer, infantometer). Manpower deployment, (including IT helpdesks), data plan, other recurring or unforeseen expenditures.

Chairperson	- **DD(ICDS)**
Account Deptt.	- **Sr.Account Officer**
IT Department	- **Assistant Programmer(IT)**
Caretaking	- **Assistant Director(CTB)**

(Shilpa Shinde)
DIRECTOR,WCD

Annexure:- Guidelines
Copy to:-
1. DD(ICDS), WCD
2. Sr. Accounts Officer, WCD
3. Assistant Director(CTB)
4. Assistant Programmer(IT)
5. OSD to Director, WCD(HQ)
6. PA to Spl. Director, WCD(HQ)

Guidelines on procurement

In order to procure the requisite devices and related services, the States are advised to follow the process detailed below:

1. Finalize the Device
On receipt of the details of the empanelled devices and the rate contracts, the State would finalize the device empanelled at DGS&D for ICDS-CAS, meeting at least the given minimum technical specifications. The State would also have to calculate the number of devices to be purchased for AWWs, Supervisors and Block Helpdesk Personnel through the rate contract based on the format that will be circulated by MWCD. States may build-in, limited to a maximum of 5 percent of actual requirement, as contingency for replacing damaged/lost/theft devices. The phones will be tracked as per their IMEI number so as to prevent loss.

2. Raise purchase order
Upon finalization of the device, the States would be required to raise a purchase order against DGS&D rate contracts specifying the quantity required. While specifying the quantity, the State must note that smart phones are to be provided to AWWs and block level helpdesk personnel and tablets are to be provided to supervisors. On delivery, the States are required to ensure that the devices meet the requisite specifications (as provided in Annexure-D).

3. Purchase SIM cards and connections
The States would purchase SIM cards and connections for AWWs, Supervisors and block helpdesk personnel. They shall also ensure monthly recharge of the mobile connections.

4. Deployment planning
The State would have to plan out deployment of devices with active SIM cards, across all users and ensure that the deployment is systematically planned and tracked. Every ISSNIP State will device a mechanism for the same and develop a plan well in advance. The States must ensure that the IMEI number of all devices is noted, alongside the details of the person to which it is assigned, and is kept safe and secured, for tracking to prevent loss and theft of devices. A copy of the same would also be provided to MWCD. All devices should have active mobile connections so that the AWWs and Supervisors can use the application.

5. Facilitate deployment and user activation
The State would have to facilitate deployment and user activation with the help of master trainers and the helpdesk personnel deployed in the field.

Guidelines on procurement of IT devices & infrastructure

Specifications of phones & tablets
For the smooth functioning of CAS and effective delivery of content, it is recommended that all devices procured for ICDS functionaries meet the specifications detailed in Annexure D.

Installation of CAS on devices
The States are required to facilitate the installation of basic minimum applications and configuration of the applications on the procured devices through contracted service providers. All the devices must have the software (available on Google Play) detailed below installed on them:

a. CommCare ODK - Latest version (details about this software can be accessed at https://www.commcarehq.org/home/)

b. ES File Explorer
c. QR Code Reader
d. App Lock
e. Android Device Manager
f. Aadhar Custom App
g. WhatsApp (optional)

Further, the States must take note that the CommCare application (provided by the Software Development Agency by either file or link) is transferred/ installed to all devices and that the login for the AWW and Supervisors is registered within the application. The States may leverage the IT Helpdesk for verifying proper installation/configuration of CAS. Each phone must be set-up for use before being handed over to the user. MWCD will provide detailed, step-by-step instructions for the setup of each device and the files to be installed in each micro SD card.

Guidelines on procurement of SIM, data cards and data plans

As part of ICT-RTM, the ICDS-CAS will aggregate information collected at different levels in the App and provide web-based dashboards and reports for ICDS users to facilitate making quick and informed decisions from the data captured. The application will be synchronized with a central server, submitting information captured on the tablet for which it would require network connectivity. Data stored on the server would be available to the State. For procurement of SIM cards, bulk procurement may be preferred. In order to upload the data from the mobile devices to the central server, the States would need to ensure:

a. Provision of pre-activated and registered mobile connections for all mobile phones and tablets
b. Monthly recharge for data, voice and SMS services as required by the State for the duration of the contract
c. Protection against drop in service due to lack of data or air-time, SIM card registration or SIM card activation

The minimum requirements for data, voice and SMS are indicated in Annexure D.

Guidelines on replacement in case of damaged/lost/theft of devices

As Stated above, States are advised to build in a maximum of 5 percent of the total requirement of devices as a contingency for replacement. However to encourage proper care and maintenance of devices by users, it is recommended that the States issue instructions to users stating:

a. At the end of the warranty period i.e. 36 months, the ownership of the device will be transferred to the user
b. Suitable penalty may be levied to the user in case of loss of device

a. Specifications of mobile phones and tablets

Android Phone for AWWs	Android Tablet for LSs
Operating system: • Android operating system version is 4.4 or above	Operating system: • Android operating system version is 4.4 or above
Screen resolution: • 800 X 480 or better • 35ms touch sensitivity • 1 lakh touch points • TFT capacitive touch screen, at least 16m color • 300 nits (brightness unit, to ensure visibility in sunlight) • Glass + glass layers make up the screen, not glass + plastic	Screen resolution: • 600 x 1024 or better • 35ms touch sensitivity • 1 lakh touch points • TFT capacitive touch screen, at least 16m color • 300 nits (brightness unit, to ensure visibility in sunlight) • Glass + glass layers make up the screen, not glass + plastic
Screen size: • 5" or more	Screen size: • 7" or more
Screen and mobile protection: • Corning Gorilla 3 or equivalent scratch proof glass with scratch proof covers / coating	Screen and mobile protection: • Corning Gorilla 3 or equivalent scratch proof glass with scratch proof covers / coating
Device RAM size: • 1GB or higher	Device RAM size: • 1 GB or higher
Processor: • Minimum quad core 32 bit processor of 1GHz or higher	Processor: • Minimum quad core 32 bit processor of 1GHz or higher
Battery: • Min 2200 mAh battery	Battery: • Min 3200 mAh battery
Connectivity:	Connectivity:

Android Phone for AWWs	Android Tablet for LSs
• Supports 2G, 3G ,Wi-Fi and Wi-Fi direct connectivity • Supports Bluetooth • Micro USB connectivity	• Supports 2G, 3G and Wi-Fi and Wi-Fi direct connectivity • Supports Bluetooth • Micro USB connectivity
Internal storage: • 8GB or more	Internal storage: • 8GB or more
microSD: • microSD memory slot • Provided 8GB microSD card	microSD: • microSD memory slot • Provided 8GB microSD card
Unicode: • Supports Unicode for regional languages script rendering (including fonts for Hindi, Telegu and Marathi)	Unicode: • Supports Unicode for regional languages script rendering (including fonts for Hindi, Telegu and Marathi)
SIM card: • SIM card compatible	SIM card: • SIM card compatible
Image capture: • Camera, at least 5 Megapixel resolution • Geotag supported camera	Image capture: • Camera, at least 5 Megapixel resolution • Geotag supported camera
Location capture: • Supports both Standalone GPS and AGPS	Location capture: • Supports both Standalone GPS and AGPS
Speaker: • Hands free Speaker with adjustable loudspeaker volume (preferably 60 dB or above) with good quality (noise/crosstalk)	Speaker: • Hands free Speaker with adjustable loudspeaker volume (preferably 60 dB or above) with good quality (noise/crosstalk)
File formatted supported for recording: • Image	File formatted supported for recording: • Image

Android Phone for AWWs	Android Tablet for LSs
○ JPEG ○ PNG - Audio ○ mp3 - Video ○ 3gp	○ JPEG ○ PNG - Audio ○ mp3 - Video ○ 3gp
File formatted supported for playing: • Image ○ JPEG ○ PNG • Audio ○ mp3 ○ Should play audio with no quality issues • Video ○ 3gp ○ Should be able to play HD videos	File formatted supported for playing: • Image ○ JPEG ○ PNG • Audio ○ mp3 ○ Should play audio with no quality issues • Video ○ 3gp ○ Should be able to play HD videos
Availability: • Available statewide • Special check for availability in remote deployment	Availability: • Available statewide • Special check for availability in remote deployment
Accessories: • Battery charger • Headset • Data cable • 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) • Power bank	Accessories: • Battery charger • Headset • Data cable • 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) • Power bank

b. Specifications for voice and data plans

S. No.	Description	Specification
1	Data Service	Data plan that supports 1GB data per month per user
2	Voice Service	Voice plan that supports at least 200 minutes of talk time per month per user Free calling in closed user group
3	SMS Service	SMS plan that supports at least 100 SMSs per month per user
4	General	The network provider should have a high rate of EDGE, 2G or 3G network coverage in the respective districts SIM card should support Voice, SMS and closed user groups