

F. No. NNM-29/86/2017-WBP  
Government of India  
Ministry of Women & Child Development  
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Shastri Bhawan, New Delhi,  
Dated the 9th January, 2018

To

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

**Subject:** Specifications of Growth Monitoring Devices {Stadiometer, Infantometer, Weighing Scale (Infant) and Weighing Scale (Mother and Child)) under National Nutrition Mission (NNM) – regarding

Sir/Madam,

Please refer to this Ministry's letter of even No. dated 18<sup>th</sup> 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 pre-loaded with the application software. The specifications of Smart Phones and Tablets will be sent separately.

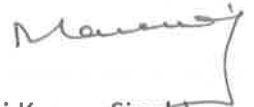
2. In order to ensure accurate records of weight and height of all beneficiaries which include, pregnant women, lactating mothers, new born babies and children upto 6 years; Growth Monitoring Devices shall be procured for all Aanganwadi Centres (AWCs) under NNM. The Growth Monitoring Devices will include Infantometer, Stadiometer, Weighing Scales (infant) and Weighing Scales (mother & child). AWW will record the weight every month and height/length every 3 months through the software application to track underweight, stunting and wasting.

4. The availability of Growth Monitoring Devices {Infantometer, Stadiometer, Weighing Scale (Mother and Child) and Weighing Scale (Infant)} with the AWCs implementing ICT-RTM is very essential in order to monitor the growth of the beneficiaries and to update the information into the ICDS-CAS application.

5. In this regard, I am directed to forward herewith the specifications of Infantometer, Stadiometer, Weighing Scale (Mother and Child) and Weighing Scale (Infant). These devices have to be procured through Government e-Market Place (GeM).

6. States/UTs are requested to take necessary action for procurement of Growth Monitoring Devices {Infantometer, Stadiometer, Weighing Scale (Mother and Child) and Weighing Scale (Infant)} through GeM.

Yours sincerely,



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Director

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**Technical Particulars of Infantometer, Stadiometer, Weighing Scale (Infant), Weighing Scale (Mother and Child) to be used under National Nutrition Mission**

**1. Infantometer**

***Specification:***

1. Portable board for measuring length of baby.
2. Designed to measure length of baby in recumbent position.
3. The board shall be firm, flat horizontal surface.
4. Fold-up mechanism and low weight, compact and easy to transport.
5. No part should be loose or shaking during transportation.
6. Simple and fast set up, no tools (screwdriver, etc.) required.
7. Stable connections, assuring precise and accurate measurement.
8. No need for calibration, all parts to be in fixed position.
9. Long lasting, easy to read in low light conditions.
10. Double sided graduation for easy measurements.
11. Orientation of numerals on the measurement scale: parallel to the board.
12. Facilitating quick and easy reading of results.
13. Unit of measure: centimeters.
14. Smallest graduation: 0.1 cm.
15. Precision : (+) or (-) 0.1 cm.
16. Width on the board 30 cm approx.
17. Fixed head board and smoothy moving foot board.
18. Angled edges (curved) to prevent baby from rolling sidelong.
19. No sharp edges or corners.
20. Design for heavy duty use in demanding circumstances.
21. Durable, resistant to effects of excessive humidity and high temperature, water resistant and shock resistant.
22. Board should be made of 6mm (Six millimeter) ABS Plastic.
23. Measurement range: Should be able to measure up to 100 cm at least;
24. Accuracy; (+) or (-) 0.1 cm.

**General Condition:** All the items/models shall be duly approved by weights and measurement authority. The units offered for the supplies shall be duly calibrated as per the procedure of department of legal metrology.

## 2. Stadiometer

### ***Specification:***

1. Designed to measure height of adult and children aged 24 months and above in vertical positions.
2. Firm flat vertical surface.
3. Fold up mechanism and low weight making it compact and easy to transport.
4. No part should be loose or shaking during transportation.
5. Simple and fast set up, no tool (screw driver etc.) should be required.
6. Stable connection, assuring precise and accurate measurement.
7. No need for calibration as all parts have prefixed position.
8. Double sided graduation for easy measurements.
9. Orientation of numerals on the measurement scale: parallel to the board.
10. Unit of measure: centimeters.
11. Smallest graduation: 0.1 cm.
12. Measurement range: Should be able to measure upto 200cm at least;
13. Accuracy (+) or (-) 0.1 cm.
14. Width/depth of the board: approx. 5.5 cm.
15. Large footplate, providing extra stable base and smoothly gliding measuring slide/wedge.
16. Adjustable feet for stability on uneven or soft ground.
17. Spirit level indicator to check flat surface.
18. Friction feature between board and measuring slide/wedge for preventing the latter from drooping when release.
19. No sharp edge or corner.
20. Designed for heavy duty use in demanding circumstances.
21. Durable, resistant to effect of excessive humidity and high temperature, water resistant and shock resistant.
22. Board should be made of Mild Steel (Rust proof)/Aluminum.
23. Precision: (+) or (-) 0.1 cm;

### ***Supplied with:***

1. Carry bag or carry case(i) made of long lasting fabric, (ii) zipper closer (iii) removable, adjustable shoulder/back strap(s) and (iv) small side pocket for storage of operating instructions, loose parts and/or stationery material.
2. Instructions for use, training, maintenance and trouble shooting in English, Hindi and any other regional language as per requirement, appropriately illustrated with pictograms.

***Packaging:***

Packed in a carton box which should be of sturdy quality and provides adequate protection of the goods while transportation.

**General Condition:** All the items/models shall be duly approved by weights and measurement authority. The units offered for the supplies shall be duly calibrated as per the procedure of department of legal metrology.

3. **Weighing Scale (Infant)**

***Specification:***

1. Spring type mechanical scale for infants;
2. Measuring range: 0-25kg;
3. Minimum graduation: 100g
4. Reading time in seconds: less than 15 seconds;
5. Readout in kg;
6. Display: Dial diameter between 15 to 20 cm. Easy readable in low light;
7. Easy reset-to-zero function;
8. Damping/stabilizing mechanism for faster reading of results;
9. Fit with 2 hooks, non-removable. Upper for fixation and lower for attaching weighing trouser or sling;
10. Mechanics and other vital parts are made of rust proof materials;
11. Hooks: stainless steel;
12. Dial: plastic (ABS) with Perspex cover;
13. Body: Plastic (ABS)
14. Calibration screw: stainless steel;
15. Body and mechanics should be water proof, shock resistant;
16. Smooth surface;

17. Supplied with water proof & upholstered bag for carrying;
18. User instruction in pictogram style;
19. Each scale should be packed in a carry bag, packed in a carton box;
20. Estimated weight: 1.00 kg (approx.);
21. To be supplied with (a) Sling and (b) Weighing Trousers

a. **SLING (Baby Weighing)**

1. Quality cotton fabric, strong and non-elastic;
2. Square shape, 0.80x 0.80 m, prior to washing;
3. Edges are double seam finished;
4. Easy to iron;
5. Corners can be knotted together to hold baby securely when suspended from the scale;
6. Supply with text and pictorial instructions for usage and maintenance;
7. Bag for carrying and/or storage;
8. Approx. weight: 0.110kg;

**(b) Weighing Trousers (Baby Weighing)**

1. Trousers: Strong and easy maintenance fabric;
2. With strap for suspension from spring scale;
3. Trousers are able to hold infants up to 25 kg;
4. Carry bag: with shoulder strap, overlapping flap and closure, fits 5 weighing trousers.
5. User instructions on how to position the infant and instruction for washing; both in pictogram style are fixed on trousers and bag.
6. Washable by hand and/or machine;
7. Approx. weight: 0.100 kg;

**General Condition:** All the items/models shall be duly approved by weights and measurement authority. The units offered for the supplies shall be duly calibrated as per the procedure of department of legal metrology.

#### 4. Weighing Scale (Mother and Child)

***Specification:***

Electronic weighing scale of class -III accuracy with LCD/LED or VFD display duly certified and stamped by weight and measures department and confirming to IS:9281(Part-1 & 2)/1979, IS: 9281 (Part 3)/1981, IS 9281 (Part-4)/1983 (reaffirmed2006) and Details of specification as given below:-

1. Digital weighing scale displaying the measured weight in a digital format;
2. Lithium battery to be used for measuring and displaying the weight;
3. Measuring range: 0 to 120 Kilograms (Kegs);
4. Minimum Graduation/Resolution: 100 grams (g);
5. Accuracy: 100 g;
6. Reading time: 5 seconds;
7. All vital parts made of rust proof materials;
8. Packed in long lasting fabric bag put in a carton.
9. It should have tare feature;
10. It should have Anti-skid feature.

**General Condition:** All the items/models shall be duly approved by weights and measurement authority. The units offered for the supplies shall be duly calibrated as per the procedure of department of legal metrology.