

F. No. PA/293/2022-CPMU (e-102529)

भारत सरकार

Government of India

महिला एवं बाल विकास मंत्रालय

Ministry of Women & Child Development (MWCD)

पोषण अभियान

POSHAN Abhiyaan

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3<sup>rd</sup> Floor, Jeevan Vihar Building  
Sansad Marg, New Delhi – 110001

Dated: 11 January, 2023

To,

The Principal Secretaries/ Secretaries, Department of Social Welfare/ Women and Child Development, all States/UTs.

**Subject: Specifications of Growth Monitoring Devices {Stadiometer, Infantometer, Weighing Scale (Infant) and Weighing Scale (Mother and Child)} under POSHAN Abhiyaan – regarding.**

Sir/Madam,

In supersession of this Ministry's letter no. NNM-29/86/2017-WBP dated 09.01.2018 on the above mentioned subject and with reference to the operational guidelines of Saksham Anganwadi and Mission Poshan 2.0 dated 01.08.2022, I am directed to forward herewith the replacement policy alongwith revised specifications of Growth Monitoring Devices (GMDs). These devices are required to be procured through Government e-Marketplace (GeM) as per GFR and vigilance guidelines.

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; States/ UTS are requested to take necessary action for procurement/replacement of Growth Monitoring Devices and ensure availability of these devices at each Anganwadi Centre.

3. This issues with the approval of the Competent Authority.

**Encl: as above.**

Yours sincerely,

  
11.1.2023

(Capt Prabhanshu Srivastav, IAS)

Deputy Secretary to the Government of India

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Copy for information to:

1. Sr. PPS to Secretary, MWCD
2. Sr. PPS to Additional Secretary (ADR), MWCD

## **Revised Specifications of Growth Monitoring Devices (GMDs) under POSHAN Abhiyaan**

### **(1) INFANTOMETER:**

#### **Specifications**

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 smoothly 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 excess humidity and high temperature, water resistant and shock resistant.
22. Board should be made of 6mm (Six millimeter) ABS Plastic only.
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:

### Specifications

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 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 200 cm 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 effects of excess humidity and high temperature, water resistant and shock resistant.
22. Board should be made of stainless steel / wood and should be able to be pegged to the wall
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 stationary material.

**2. Instructions** for use, training, maintenance and trouble shooting in English, Hindi and any other regional language as per the requirement, appropriately illustrated with pictograms.

**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):**

#### **Specifications**

1. Spring type mechanical scale for infants.
2. Measuring range:0-25 kg.
3. Minimum graduation: 100 g.
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 instructions 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, 0.80 x 0.80 m, prior to washing.
3. Easy to iron.
4. Corners can be knotted together to hold baby securely when suspended from the scale.
5. Supply with text and pictorial instructions for usage and maintenance.
6. Bag for carrying and/or storage.
7. Approx. weight: 0.110 kg.

**(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 instructions 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.a) WEIGHING SCALE (Mother & Child): Digital**

##### **Specifications**

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 and 2)/1979, IS: 9281 (Part-3)/1981, IS 9281 (Part-4)/1983 (reaffirmed 2006) 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 (kg).
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.*

#### **(4.b) WEIGHING SCALE (Mother & Child): Analog**

##### **Specifications:**

1. Type of Weighing Machine: Mechanical, Analog
2. Platform: Slip-resistant feature/ Anti-skid feature
3. Measuring range: 0 – 120 Kilograms (Kg)
4. Minimum Graduation/ Resolution: 100 - 150 grams (g)
5. Readout in Kg: Easy to read and easy to understand
6. Material: Metal with "Rust Proof" coating
7. Durable and Unbreakable adult weighing scales
8. Adjustable knob: The apparatus comes with a zero adjustable feature.
9. Supplied with carry bag.

**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.*

**General Clauses**

- It is recommended that for weighing of older children and women, analog devices are better and for infants, digital devices / salter scale can be used.
- The Comprehensive Maintenance Contract (CMC) and 4-year maintenance agreement may be ensured from the device manufacturers.
- The State Legal Metrology Department should be requested to calibrate/ verify the growth monitoring devices periodically at Block/ District level (atleast twice in a year).
- For Stadiometer, material made of stainless steel/wood, pegged to the wall would provide reliable results and would be durable.
- In the case of Infantometer, ABS plastic may be the most suitable material.

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