Technical Specification for 15 kg Digital Weighing Machine

1. Scope

Supply and delivery of a digital table-top weighing machine suitable for accurate weighing up to 15 kg, having a least count/readability of 1 g, for precise measurement of small weight variations.

2. Technical Requirements

Sl. No.	Parameter	Specification
1.	Type	Digital table-top weighing machine
2.	Maximum weighing capacity	15 kg
3.	Least count / readability	1 g / 0.001 kg
4.	Display resolution	Scale shall display weight in increments of 1 g
5.	Minimum weighing range	1 g or lower
6.	Accuracy class	Class-II or better (as per OIML)
7.	Ingress Protection	IP 67 or better
8.	Weighing pan / platform	Stainless steel pan, rust-proof and easy to clean
9.	Display	Bright digital LED/LCD display with clear visibility
10.	Units	Gram and kilogram display facility
11.	Tare function	Required
12.	Zero function	Required
13.	Overload indication	Required
14.	Low battery indication	Required
15.	Auto zero tracking	Required
16.	Stabilization time	Low
17.	Power supply	230 V AC, 50 Hz with battery backup
18.	Battery backup	Minimum 6–8 hours continuous operation preferred
19.	Operating environment	Suitable for indoor use in store/laboratory conditions

3. Calibration:

Certificate of calibration shall have to be supplied along with instrument from a NABL accredited laboratory/Govt. Test House. However, the bidder shall be responsible for providing periodic calibration support for at least 5 years from the date of supply. Periodic calibration shall preferably be carried out on-site. Where on-site calibration is not possible, the instrument shall be returned within 7 days from the date of collection of the instrument and an alternate instrument (having same model or higher version) shall be supplied at the time of collecting the instrument for calibration.

4. Guarantee:

The instrument shall have guarantee of 5 years from thedate of receipt of the instrument.