

ANNEXURE TO TENDER NO. DPS/CPU/04/D2/4608

Specifications for Semi micro split-balance with Dual Weighing Range

Description	Normal Range	Fine Range
Maximum Capacity	220g-230g	80g-90g
Readability	0.1 mg	0.01 mg
Repeatability	0.1 mg	0.05 mg
Linearity deviation	≤0.2 mg	≤0.02 mg
Settling time	4-5 sec	8-9 Sec
Minimum sample weight (acc. To USP)	≤30 mg	
Minimum sample weight (U=1%, k=2)	≤5 mg	
Weighing pan diameter	80 mm- 90 mm	
Weight of the balance	≤ 7 kg	
Calibration	Must have provision for INTERNAL CALIBRATION with automatic time and temperature controlled internal adjustment	
Display	High contrast LCD display	
Connectivity	RS232, USB	
Dimensions	Strictly in the range of 355-365 mm X 325-335 mm X 245-255 mm (Depth X Height X Width)	
Balance housing	Chemical resistant and robust metal housing with smooth surfaces and round edges, Must facilitate easy cleaning	
Standard power supply	230-250 V, 50-60 Hz	
Overvoltage protection	As per category II of IEC Definitions of Transient Voltage	
Operating temperature range	15-40 °C	
Relative air humidity	Max. 80%	
Warranty	1 year or more	
Certificate	Model approval certificate, Type test and calibration certificate	
Authorization	Supplier has to produce a letter of authorization from the original equipment manufacturer	
Installation	Installation should be done by the personnel of the original equipment manufacturer/principle company	

These weighing balances are to be used for the chemical quality control analysis of various nuclear materials by different sophisticated analytical techniques; which requires very accurate & precise weighing. These balances will be installed in glove-boxes where frequent servicing will not be possible. Therefore balances must be durable, robust, reliable and chemically resistant. Therefore, the specifications mentioned above must be strictly adhered to.