

Indent No.: NC - 000017 - CH1807 - 19 - 20

SL. No.	Tender Specification	Inkarp Instruments Pvt. Ltd	Rashmita Traders	Manorama Traders
01	Magnetic stirrers with heating sensor and hot plate:	Make- Heidolph Model-MR Silver 1 package	Make:Jeiotech Model- TS-14S	Make-DLAB Model-MS-HPRO+
	1.Max RPM: 1300rpm or better	Yes 100 -1400 RPM	Yes 30-2000 RPM	Yes 100-1500 RPM
	2.Stirring Capacity - 20Liters of water or better	Yes 20 Liters	Yes 20 liter	Yes 20 Liters
	3. Dimensions (W x L x H) in mm- (250-300 x 150-200 x 75-125)	Yes	Yes	Yes
	4.Speed Accuracy : ±2	Yes	Not mentioned in technical brochure	Speed Accuracy:±1 RPM
	5.Temperature Setting Accuracy- ±1°C or better	Yes	Yes	Yes
	6.Display---Digital Display	Yes	Yes	Yes
	7.Heating Power : 800Wor better	Yes 800 W	No 600 W	No 500 W
	8.Hot Plate Temperature: 20-300°C or better	Yes Room Temperature to 300°C	Yes Room Temperature to 350 °C	Yes Room Temperature~340°C
	9.Medium Temperature Max—250 °C	Yes	Yes	Yes
	10.Hotplate Temperature Accuracy: ±5°C or	Yes	Not specified in technical brochure	Yes

better			
11. Temperature Hot Plate Diameter: 100-200mm	Yes 145 mm	Yes 140 mm	Yes 135 mm
12. Microcontroller based temperature control Provision for temperature accuracy with external temperature sensor PT1000 – $\pm 1^{\circ}\text{C}$	Yes	Yes	Yes
13. External Temperature sensor PT1000 needs to be quoted with all supportive stands for holding the sensor	Yes	Yes	Yes
14. Plate material should be chemical resistant with Silumin Ceramicized coating provision	Yes Silumin with ceramic coating	No Ceramic coated aluminum	No Stainless steel cover with ceramic
15. An independent safety circuit with separate circuit switches off the heating if the normal hotplate temperature is exceeding by 25°C ;	Yes	Not Specified in technical brochure	Not Specified in technical brochure
16. Supply Voltage : 230V/50Hz	Yes	Yes	Yes
17. Instrument should have CE and ISO certification	Yes	Yes	Yes
18. Protection class- IP32	Yes IP32	No	Yes IP-42
19. Installation &	Yes	Yes	Yes

Commissioning The instrument to be installed tested and commissioned by representative of manufacturer at site. The parameters to be matched for acceptance are reproducibility			
20.Other Specifications / requirements : The complete system should operate at standard 230 V, 50 Hz power supply	Yes	Yes	Yes
Warranty: 03 year on-site comprehensive warranty	Yes	Yes	Yes

Decision

Qualified

Not
Qualified

Not
Qualified

✓ Bidraha
✓ Bagh 23/08/2019