

### Specifications for Muffle furnace

S.No.	Product Name	Laboratory Bottom Loading Hearth Furnace
1.	Type	Bench-top; Bottom-loading
2.	Inner Chamber Size	Diameter : 250 mm , Height : 250 mm or above
3.	Max. WorkingTemp.	1800°C
4.	Constant WorkingTemp.	1700°C -1720°C or above
5.	Heating Rate	5~10°C/min
6.	Heating Elements	Molybdenum disilicide (MoSi <sub>2</sub> ) elements Note: Require additional 1 pair of elements
7.	Temp. Homogeneity	+/-5°
8.	Power Supply	50/60Hz, Three phase, 8 KW
9.	Thermocouple	Type B Temp. Range: (50 to 1800) °C
10.	Temperature Controller	1.LCD with touch screen 2.Can store sintering data, USB interface derived data. 3.PID automatic control and auto-tune function
11.	Furnace Shell	High quality cold-rolled steel sheets CNCprocessing
12.	Furnace Door	Electric lifting type
13.	Furnace structure	Round chamber with 3 floor lifting platform
14.	Safety Precautions	1.Overheating & Broken thermocouple protection 2.Over-temperature protection and alarm
15.	Certification	ISO-9001:2015, EN-61010, IEC-60601-2-18 & CE Certification should be uploaded with bid.

Note:

1. The bidder should have office in Uttarakhand for better sales and services and detail service matrix should be given in 100 rupees stamp paper in affidavit.