



DEPARTMENT OF PHYSICS  
MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

No. PHY/MLSU/FIST/FURNACE/2014/1846

24<sup>th</sup> November 2014

PURCHASE ORDER

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To

M/s Naskar and Company  
¼, Lakshmi Narayan Tala Road  
Howrah 711103 (W.B)

REF: E-TENDER No.MLSU/PHYSICS/FIST/2014/ET-1 Item 4. High Temperature Furnace

Dear Sir,

With reference to your tender against the above cited E-tender, We are pleased to place an order for supply of High Temperature Furnace as per following details:

Sno	Item	Qty	Cost(CIP Cost at Delhi Airport)
1	Supply, Installation, performance demonstration of High Temperature Furnace Electro heat EN170QT having technical specifications given below	One	5,43,712/-
	TOTAL		5,43,712/-

Technical Specifications of the Equipment

TECHNICAL SPECIFICATIONS

1. Supply, installation, performance and demonstration of High Temperature Furnace at the Department of Physics, Mohanlal Sukhadia University, Udaipur

The equipment must have following specifications

1. Type: Front Loading Chamber Furnace
2. Temperature controller with Digital Programmer
3. Max. Temp. : 1800°C
4. Max. Power : 6 kW
5. Chamber dimensions (mm-HxWxD): H : ~ 210, W : ~190, D : ~ 190
6. Volume : ~7-8 litres
7. Adjustable over temperature protection
8. Heat up time (minutes to 100° C below maximum temperature): ~50
9. Temperature variation: 4°C over 120 mm or better
10. To ensure good thermal uniformity: Powerful MoSi<sub>2</sub> elements needed on both sides of the chamber and thick diameter MoSi<sub>2</sub> elements to withstand the stress of everyday operation and provide good longevity.
11. Low thermal mass insulation and good element design to ensure energy efficiency and

