



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref No.(PR No. 1000035985)

(Rfx No. 6100001589)

Specifications for the Spare parts for MBE-IV System

Sl No.	Description	Required	Compliance (Yes/No)
1	Pumping speed	N ₂ ≥950 L/s He ≥850 L/s Hy ≥900 L/s	
2	Compression Ratio for N ₂	≥ 10^8	
3	Ultimate Pressure	<5x10 ⁻¹⁰ mbar	
4	Connecting Flange	DN 200 CF	
5	Run – up time	<10 Min	
6	Cooling	Water Cooling	
7	Operating Position	Any (360 degree)	
8	TMP Controller	The Turbo molecular pump should be supplied with a suitable controller having interlocks for over temperature (bearing), over current etc. The controller should have computer interface through USB /RS 232	
9	Warranty	One year	