



# INSTITUTE OF NANO SCIENCE AND TECHNOLOGY, MOHALI

(An autonomous Research Institute of Department of Science and Technology,  
Government of India)

Habitat Centre, Sec-64, Phase X, Mohali – 160062, PUNJAB

Phone No: 0172 – 2210073/74/75, Fax No: 0172 – 2210074

Website: [www.inst.ac.in](http://www.inst.ac.in)

Ref No. INST/12(32)/2019-Pur

Date: 08<sup>th</sup> July, 2019

## CORRIGENDUM

Reference to NIT no. INST/12(32)/2019-Pur published in national newspapers on 12/06/2019 for purchase of equipment: **Laboratory High Pressure Homogenizer**. Below mentioned technical points may be read and corrected as per following:-

S. No.	Present Tender Specifications		Modified Specifications after pre-bid meeting
1	Operating pressure	Not less than 2000 bar	-No change-
2	Minimum Sample Volume	At least 15 ml	-No change-
3	Nominal Flow rate	Upto 100 ml/min	-No change-
4	Feed reservoir	At least 200 ml	-No change-
5	Operating Temperature range	10- 30°C	-No change-
6	Cooling provision	Either have cooling coil or heat exchanger system	-No change-
7	Humidity	< 80%	-No change-
9	Sound Level	< 80 DB Machine should be CE compliant	-No change-
10	Touch Screen Display	<ul style="list-style-type: none"> <li>• Pressure control indication</li> <li>• Stroke Counter indication</li> </ul>	-No change-
11	Safety	<ul style="list-style-type: none"> <li>• Should have emergency stop switch</li> <li>• Temperature of system should not go above 80°C</li> </ul>	<ul style="list-style-type: none"> <li>• Should have emergency stop switch</li> <li>• Temperature of system should be linear proportion with pressure increase</li> </ul>
12	Voltage	220 -240	220 -240/3 phase
13	Frequency	50/60 Hz	-No change-
14	Applications	Preparation of Nanoparticle, nano-emulsions, liposomes, lipid particles, micro-encapsulations	-No change-
15	Warranty	At least 3 year	-No change-
16	List of previous installation	Bidder need to provide a list of reputed government organizations where they have installed this machine	-No change-



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17	100% Scale up to Pilot or Production range at same pressure value	-	Instrument processes must be repeatable & preferably guaranteed to scale up to pilot and/or production volumes for the same pressure range.
18	Reliable CIP cleaning	-	System must have high pressure piping for reliable CIP cleaning without machine disassembly.
19	Uniformity of processed sample	-	Processed formulation should have uniform particle size distribution
19	Electro hydraulic constant pressure.	-	<ul style="list-style-type: none"><li>• There should be electro hydraulic constant pressure.</li><li>• The system should not require any external compressed gas for operation</li></ul>

Other specifications and Terms and conditions of the tender are remain unchanged.

Sd/-  
C.F.A.O