



Central Instrument Facility (CIF)

IIT (BHU), Varanasi – 221005

User Charge List



Name of Test to be carried out using Gleeble and Charges per test							
Sl No.	Name of Test	IIT (BHU) & BHU Users		Other Institutes/ Govt. R&D Labs / Consultancy		Industry	
	Gleeble 3800-GTC Simulation System	Below 1000 C	1000 C and above	Below 1000 C	1000 C and above	Below 1000 C	1000 C and above
1	Hot tensile Test / Hot Ductility Test / Welding Thermal Cycle Simulation Test (Using Tensile or Impact Speciment)	₹ 1500 Per Sample (Max 1 Hr.)	₹ 2000 Per Sample (Max 1 Hr.)	₹ 5,000.00	₹ 5,500.00	₹ 9,000.00	₹ 10,000.00
2	Flow Stress Hot Deformation Compression / Plane Strain Compression Test	2000 Per Sample (Max 1 Hr.)	3000 Per Sample (Max 1 Hr.)	₹ 5,000.00	₹ 6,000.00	₹ 10,000.00	₹ 11,000.00
3	Multi-pass Hot Rolling Simulation / Heat Treatment, per hour.	3000 Per Sample (Max 1 Hr.)	4000 Per Sample (Max 1 Hr.)	₹ 10,000.00	₹ 12,000.00	₹ 15,000.00	₹ 18,000.00
4	CryoQuench*	7000 Per Sample (Max 1 Hr.)	8000 Per Sample (Max 1 Hr.)	₹ 12,000.00	₹ 14,000.00	₹ 24,000.00	₹ 25,000.00
5	Thermal Fatigue Test, per hour	₹ 2,000.00	₹ 3,000.00	₹ 5,000.00	₹ 5,500.00	₹ 9,000.00	₹ 10,000.00
	Additional Per Hour upto 5 Hr	₹ 1,500.00	₹ 2,000.00	₹ 2,000.00	₹ 2,500.00	₹ 5,000.00	₹ 5,500.00
6	Dilation Test-Coventional						
	For 1 Hr per sample	₹ 2,000.00	₹ 2,500.00	₹ 5,000.00	₹ 6,000.00	₹ 10,000.00	₹ 12,000.00
	Additional Per Hour upto 5 Hr	₹ 1,000.00	₹ 1,500.00	₹ 2,500.00	₹ 3,000.00	₹ 5,000.00	₹ 6,000.00
7	High Strain Rate Tensile Test at Room Temperature	4000 Per Sample (Max 1 Hr.)		₹ 8,000.00		₹ 10,000.00	
8	Continuous Casting Simulation	₹ 12,000.00		₹ 15,000.00		₹ 20,000.00	
Note	* With water quench, the charges will be 20 % extra and the CryoQuench sample will be done on the basis of availibility of Liq Nitrogen Tank.						
	** The above charges has been fixed for heating the sample through Joule Heating Technique, if user required the induction heating, the above charges will become 1.3 times.						
	*** User committee will decide the rate of other experiments not mentioned in the list.						

Pinak