

**REQUEST FORM FOR USAGE OF  
LASER FLASH THERMAL CONDUCTIVITY FACILITY  
(HIGH TEMPERATURE TECHNOLOGIES DIVISION, IPR)**

Job Serial ID.: \_\_\_\_\_

(To be filled by Operator)

Date: \_\_\_\_\_

**# For IPR User:**

Project code: \_\_\_\_\_ Project/Division name: \_\_\_\_\_

User Name: \_\_\_\_\_ Designation: \_\_\_\_\_

Ext no: \_\_\_\_\_ Mobile Number: \_\_\_\_\_ E-mail Id: \_\_\_\_\_

Company/ Institute/University Name: \_\_\_\_\_

(Only for Outside IPR User)

Address: \_\_\_\_\_

(Only for Outside IPR User)

**# To be measured (Please tick):** (\* For Specific Heat, Reference sample and reference data should be provided by user)

Thermal Diffusivity

☐

\*Specific Heat

☐

Thermal Conductivity

☐

Sr. No.	Material Details	Sample dimension [W x D x T] [mm <sup>3</sup> ]	Melting Point [°C]	Density [Kg/m <sup>3</sup> ]	To be measured Temperature(s) [°C]

(Signature of User)

(Signature of Project/Group Head)

(Signature of Lab In-charge)

**# NOTE To The User:**

1. Submitted Material should be in bulk form and the surface condition should be good and flat.
2. Required dimension of sample with tolerance  $\pm 0.1$ mm: Preferable thickness of the sample should be less than 6mm. (i) Square sample: 8 mm [L] X 8 mm [W], (ii) Circular sample: 12.6mm [D].
3. Users are requested to provide Material Safety Data Sheet (MSDS) for the specimen material, if available.
4. Toxic material, explosive material, irradiated material/radioactive material will not be taken for measurement.
5. Material submission will be done after discussion and approval of the job.
6. User(s) are requested to collect specimens after the completion of testing within 30 days afterwards operator will not be responsible for the same.
7. Users are requested to check material properly before giving for the measurement. In case of damage in the equipment caused by the submitted materials, user will be responsible.