

Department of Chemistry

IIT Bombay

TG-DTA Request Form for External User

Instrument Name: TG-DTA (Rigaku) Model: - STA8122

Analysis Temperature Range: Ambient to 1100°C

Instructions:

1. **Sample Form:** Powder (~10 mg).
2. **Temperature Range & Heating Rate:** The analysis cannot be carried out if these parameters are not specified.
3. **Prohibited Samples:** Explosive, poisonous samples, or those releasing toxic/obnoxious gases/fumes upon heating cannot be analysed.
4. **Crucible Materials:** The sample holders are made of Aluminium (Al) and Platinum (Pt). Ensure that your sample does not react with these materials.
5. **Decomposition Products:** You must specify the decomposition products associated with the heating cycle. Any functional groups that may explode or foam are strictly not allowed (e.g., Azide, Perchlorate, poly-nitro, nitrogen-rich compounds).
6. **Low Heating Rate Samples:** If a sample requires a low heating rate and takes longer, it will be scheduled efficiently to utilize instrument time. Such samples will not necessarily be analysed as per the queue.
7. **Repeat Analysis:** A new form must be filled out for each repeat analysis, and the sample will be analysed as per the queue.

Personal Information

1. **Type of Industry:** Academic / Industrial / National Lab
2. **Name of the User:** _____
3. **User Email ID:** _____
4. **Registration No/FBR number for I-STEM user:** _____
5. **Mobile Number:** _____
6. **Department / Institution name:** _____
7. **GST Number:** _____

8. **Quotation Number:** _____

9. **Payment Transaction details:** _____

9. **Number of Samples :-**_____

10. **Sample Code:** _____

11. **Specify decomposition Product:** _____

12. **Material Details (Elements/Functional Groups Present):**

13. **Heating Rate:**(select only one)

[1] 10 °C/min

[2] 15 °C/min

[3] 20 °C/min

[4] Any Other _____

14. **Maximum Temperature (°C):** _____

14. **Measurement Atmosphere:** Nitrogen / Zero Air (Select only one)

15. **Additional Information (If any):**

Note: Final data will be shared in ASCII format to your email.

Instruction to ISTEM user.

1) User are requested to contact the Manager / operator for any query.

2) User has to choose offline mode of payment and transfer the charges to the bank account details given below.

Bank Details for Electronic Transfer:	
Sent by: Indian Institute of Technology Bombay.	
Bank Name: State Bank of India, IIT Powai Branch,	
	Mumbai-400076, India.
Bank A/c No.: 10725729173	
IFSC/RTGS/NEFT: SBIN0001109	
MICR no.: 400002034	
Branch Code: 1109	
Swift Code: SBININBB519	
Telephone No.: +91-22-2572-1103	
For DD, payment should be in faour of "Registrar, IIT Bombay"	

3) Please share the transaction details to us on the darshansmhatre@iitb.ac.in.

I-STEM FBR Number	
Date of transaction	
Mode of transaction	UPI / NEFT / NET BANKING /
Amount transferred in rupees(Please write exact amount)	
Transaction Date	
Transaction Time	
Transaction ID	
UTR number	
Bank from which money is transferred	
Account holder name	
State	
Any other information	