

RHEOLOGY TEST
CENTRAL RESEARCH FACILITY
INDIAN INSTITUTE OF TECHNOLOGY (ISM), DHANBAD -826004

[Please read the information given overleaf before filling up this form and put a tick in appropriate box]

VISCOMETRY MODE

I wish to get ____ (in words _____) number of samples to be examined/analyzed.

The nature of sample is Solid () , Liquid () , Gel () , Paste () or Others ()

Please elaborate the nature of sample:

Number of tests: (in words _____)

Using High Pressure High Temperature Cell () Using Liquid Nitrogen for Low Temperature ()

MODE	SHAER STRESS (VALUE/RANGE)	SHEAR RATE (VALUE/RANGE)	TEMPERATURE
CONTROLLED STRESS			
CONTROLLED RATE			

NOTE: SAMPLE SHOULD NOT HAVE CURING CHARACTERISTICS WHILE HEATING.

User's Name (block letter):

Name of Supervisor/Guide:

Dept./Centre Lab Phone No..... Cell No.....

Signature of HOD/HOC/Guide/PI/Prof.-in-Charge

Signature of the user

Details of analysis Charges:

The estimated charge for the work ₹ (In words)
..... has been deposited through [†]DD (Number) / [†]Cash payment
in the IIT (ISM) Dhanbad Cash counter (Receipt No.) on (date) /

OR

To be debited from (**For internal users only: PDA/PDF/Project**):

[†] Please provide the original DD / CC of cash receipt along with this form.

Signature of the User /Faculty /Supervisor /PI

Please allot time and complete the work.

Signature of the Laboratory In-Charge

The above work has been done satisfactorily on (Date) within number/s of slot
and generated data has been delivered to me.

Signature of the operator

Signature of the user

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[Please read the information given overleaf before filling up this form and put a tick in appropriate box]

OSCILLATION MODE

I wish to get ____ (in words _____) number of samples to be examined/analyzed.

The nature of sample is Solid () , Liquid () , Gel () , Paste () or Others ()

Please elaborate the nature of sample:

Number of tests: (in words _____)

Using High Pressure High Temperature Cell () Using Liquid Nitrogen for Low Temperature ()

MODE	STRAIN CONTROL (VALUE/RANGE)	STRESS CONTROL (VALUE/RANGE)	FREQUENCY (VALUE/RANGE)	TEMPERATURE
AMPLITUDE SWEEP				
FREQUENCY SWEEP				
SINGLE FREQUENCY				

NOTE: SAMPLE SHOULD NOT HAVE CURING CHARACTERISTICS WHILE HEATING.

User's Name (block letter):

Name of Supervisor/Guide:

Dept./Centre Lab Phone No..... Cell No.....

Signature of HOD/HOC/Guide/PI/Prof.-in-Charge

Signature of the user

Details of analysis Charges:

The estimated charge for the work ₹ (In words)
..... has been deposited through †DD (Number) / †Cash payment
in the IIT (ISM) Dhanbad Cash counter (Receipt No.) on (date) /

OR

To be debited from (**For internal users only: PDA/PDF/Project**):

† Please provide the original DD / CC of cash receipt along with this form.

Signature of the User /Faculty /Supervisor /PI

Please allot time and complete the work.

Signature of the Laboratory In-Charge

The above work has been done satisfactorily on (Date) within number/s of slot
and generated data has been delivered to me.

Signature of the operator

Signature of the user

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[Please read the information given overleaf before filling up this form and put a tick in appropriate box]

CREEP/CREEP RECOVERY

I wish to get ____ (in words _____) number of samples to be examined/analyzed.

The nature of sample is Solid () , Liquid () , Gel () , Paste () or Others ()

Please elaborate the nature of sample:

Number of tests: (in words _____)

Using High Pressure High Temperature Cell () Using Liquid Nitrogen for Low Temperature ()

MODE	SHEAR STRESS (VALUE)	TIME	TEMPERATURE
CREEP			
CREEP RECOVERY			

NOTE: SAMPLE SHOULD NOT HAVE CURING CHARACTERISTICS WHILE HEATING.

User's Name (block letter):

Name of Supervisor/Guide:

Dept./Centre Lab Phone No..... Cell No.....

Signature of HOD/HOC/Guide/PI/Prof.-in-Charge

Signature of the user

Details of analysis Charges:

The estimated charge for the work ₹ (In words)
..... has been deposited through [†]DD (Number) / [†]Cash payment
in the IIT (ISM) Dhanbad Cash counter (Receipt No.) on (date) /

OR

To be debited from (**For internal users only: PDA/PDF/Project**):)

[†] Please provide the original DD / CC of cash receipt along with this form.

Signature of the User /Faculty /Supervisor /PI

Please allot time and complete the work.

Signature of the Laboratory In-Charge

The above work has been done satisfactorily on (Date) within number/s of slot
and generated data has been delivered to me.

Signature of the operator

Signature of the user

INFORMATION FOR USERS

The revised charges for the Rheometer as follows (per test) :

	Normal Rheology analysis	Using High Pressure High Temperature Cell	Using Liquid Nitrogen for low temperature
For users of IIT (ISM)	100	150	250
For outside R&D and Academics	200	300	500
For Industry	300	450	750

[No TAX is required for user of IIT (ISM)]

*The charges are excluding GST.

Booking Rules for Rheometer

- 1) The Rheometer is available for booking every week as follows: Total 10 halves /sessions in 5 working days (Monday - Friday).
- 2) Total number of tests should be mentioned clearly; if a sample is run for five different temperatures, the number of tests will be five.
- 3) Deadline for the submission of slot booking forms is Thursday (up to 3 PM) of the previous week.
- 4) Allotment of slot will be notified at 4 PM on the next day (i.e Friday).
- 5) Samples should not have curing characteristics while heating.
- 6) The user should bring solvent for the particular sample.
- 7) All payment must be made prior to booking of the slot and true copy of the payment slip (for deposit in IIT (ISM) cash counter in the head of **CRF-Rheometer**) or original DD (must be drawn in favour of **Registrar, IIT (ISM)**) must be provided with booking form.
- 8) All forms must be forwarded through the concerned HOD, HOC, PI, Guide or Prof.-in-Charge etc. and to be submitted in the Rheometer Laboratory.
- 9) In case of power shut down or unforeseen disturbances, any unutilized slot will be subsequently compensated for in the next round of booking.
- 10) All users should inform composition and sample details to the operator and leave a copy of the photographs/results in the laboratory for internal records (log book).
- 11) Generated data will be provided to the user only through the new unused blank CD. No request will be entertain for providing generated data by e-mail, pen drive, external hard disk or any other means. Thus user may bring a new CD for collection of their data.
- 12) All users are sincerely requested to inform the laboratory if any of the results obtained from Rheometer receive special recognition (publication, award, journal-cover-page, special citation etc.) and leave a copy of their reprint, photograph or award copy with the Rheometer lab for internal documentation.