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

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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

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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

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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.