

Indent Serial No.

Date:

**MULTI ANGEL LIGHT SCATTERING SPECTROPHOTOMETER (MALSS) WITH GPC  
CENTRAL RESEARCH FACILITY  
INDIAN INSTITUTE OF TECHNOLOGY (ISM), DHANBAD – 826004**

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

I wish to get \_\_\_\_ (in words \_\_\_\_\_) number of samples be examined/analyzed. The nature of sample is Water dissolve (    ), THF dissolve (    ).

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Please allot me slots for ..... samples, the estimated charge for the analysis is ₹ \_\_\_\_\_

User's Name (block letter): \_\_\_\_\_ Name of Supervisor \_\_\_\_\_

Dept. / Centre \_\_\_\_\_ Lab Phone No. \_\_\_\_\_ Cell No.: \_\_\_\_\_

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

Signature of the user

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**Detail of amount deposited for the analysis**

₹ \_\_\_\_\_ (in words \_\_\_\_\_) has been deposited through #DD \_\_\_\_\_ (#DD number) / #cash payment in the IIT (ISM) Cash counter \_\_\_\_\_ (Receipt No.) on \_\_\_\_\_ (Date)

# (Please provide the original DD/ copy of cash receipt along with this form)

Signature of the user

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Please allot time and complete the analysis.

Signature of the Laboratory In-Charge

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The above work has been done satisfactorily on \_\_\_\_\_ (date) and generated data has been delivered to me.

Signature of the Operator

Signature of the user

## INFORMATION FOR USERS

The charges for the MALSS as follows:

	MALSS analysis for Water solvent (₹)	MALSS analysis for THF solvent (₹)
For users of IIT (ISM) (per sample)	750	1000
For outside R&D* and Academics (per sample)	1000	1500
For Industry* (per sample)	2000	3000

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

\*The charge are excluding GST and it may be calculated as per govt. Rule.

### Booking Rules and Sample preparation for GPC analysis

- 1) All payment must be made prior to booking of the slot and true copy the payment slip [for deposit in IIT(ISM) cash counter in the head of CRF-MALSS] or original DD [must be drawn in favour of Registrar, IIT(ISM)] must be provided with booking form.
- 2) All forms must be forwarded through the concerned HOD, HOC, PI, Guide or Prof.-in-charge etc. and to be submitted in the MALSS Laboratory.
- 3) Polymers soluble in water/THF can be analysed.
- 4) Polymer should be completely soluble and no particle should be invisible.  
After dissolving, the polymer solution should be filtered through syringe filter (preferably 0.20 µm or less)
- 5) The solution should be as diluted as possible.
- 6) Exact concentration (upto 4 decimal) in mg/mL is required for analysis.
- 7) Polymer soluble in a particular solvent should be HPLC grade solvent  
e.g. if a polymer is soluble in water then HPLC grade water has to be used for dissolving.  
Similarly, polymer soluble in THF, HPLC grade THF has to be used.
- 8) Volume of the polymer solution should be minimum of 10 ml.