Requisition form
Serial No. *Date:*

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

[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 ( ).

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

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 analysis.

Signature of the Laboratory In-Charge

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.