



Job Order for 400MHz NMR (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number :-

E-mail address:

Signature of the indenter

Signature of recommending officer with seal

Date:

Time:

Sample code/Name:

Number of Samples:

Nuclei to be studied: ^1H ^{13}C ^{31}P ^{19}F others (Specify) :

Spectral width range (in ppm):

Region of expanded plots:

Structure (if known):

Solvent: CDCl_3 DMSO D_2O others (specify):

Special request (if any):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “IITGuwahati” and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for ESR (External)

Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number :

E-mail address:

Signature of the indenter

Signature of recommending officer with seal

Date:

Time:

Sample code/Name:

Number of Samples:

Solubility in organic solvent:

Metal ion/ions present:

Condition for recording (Solid/Solution (specify solvent) :

Type of measurement (Room Temp. /Liq.Nitrogen Temp. /Variable Temp.(specify temp. range):

Special Instruction (Range of magnetic field may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for SEM (External)

Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

Sample code/Name:

Number of Samples:

Type of Sample (amorphous /crystalline/thin-film/other) and composition:

Whether the sample is conducting/semi conducting/non conducting? (Mention if coating is required):

Moisture sensitivity of the sample (low/high/unknown):

Whether the sample is volatile (Yes/No)? :

Type of measurement [Morphology study/Composition analysis (Specify the elements if)]:

Special Instruction if any (magnification may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for LC-MS (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal:

Date:

Time:

Sample code/Name:

Number of Samples:

Type of Sample (small organic/inorganic complex/protein/lipid):

Nature of sample (acidic /basic/amphoteric) :

Solubility (H₂O/MeOH/MeCN/iso-PrOH/other) :

Molecular formula & weight:

Expected m/z values with ions (for proteins) :

Is sample is filtered off through 0.2 um filter paper? :

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “IITGuwahati” and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for TEM (External)

Central Instruments Facility, IITGuwahati

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal:

Date:

Time:

Sample code/Name:

Sample information(specially mention whether amorphous/ crystalline/thin- film/other and composition):

Moisture sensitivity of the sample (low/high/unknown):

Whether the sample is volatile (Yes/No)? :

Type of measurement [UHRTEM/SAD/ASID/EDX]:

Special Instruction if any (magnification may be specified if necessary):

For Office Use Only:

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **Only one sample can be booked at a time.**
- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The ultra microtome or material sample preparation unit if required for preparation of TEM samples should be booked separately.
- **Acknowledgment:** We thank the Department of Science and Technology (DST) (Nos.SR/S5/NM-01/2005), Government of India for supporting the TEM facility at CIF. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for VSM (External)

Central Instruments Facility, IITGuwahati

User Information

Name of Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter

Signature of recommending officer with seal

Date:

Time:

Sample information (mention whether powder/thin film/liquid):

Sample code/Name:

Number of Samples:

Toxicity of the sample:

Type of measurement (initial cure/MH/MT/Mt along with temperature range):

Type of consumables:

Special Instruction (magnetic field and temperature range must be specified):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **Only three samples can be booked at a time.**
- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of "IITGuwahati" and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for Time Resolved Fluorescence Spectrometer (External)

Central Instruments Facility, IITGuwahati

User Information

Name of Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter

Signature of recommending officer with seal

Date:

Time:

Sample information

Number of Samples:

Sample code/Name:

Type of Sample (solid/thin-film/liquid/other) and composition:

Special Instruction if any (Excitation wavelength and scanning range may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **Only two samples can be booked at a time.**
- **The sample charge has to be paid in advance.** All payments should be made in the form of a DD in favour of "IITGuwahati" and payment should be sent to the Head, CIF, IITGuwahati, Guwahati, Pin-781039.
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for FESEM (External)

Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

Sample code/Name:

Number of Samples:

Type of Sample (amorphous /crystalline/thin-film/other) and composition:

Whether the sample is conducting/semi conducting/non conducting? (Mention if coating is required):

Moisture sensitivity of the sample (low/high/unknown):

Whether the sample is volatile (Yes/No)? :

Special Instruction if any (magnification may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for Nanoindenter (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

Type of measurement: (Nanoindentation /Tribotesting)

Test details: Maximum load-

Loading rate:

Creeping time/ thermal drift required: (Yes/No):

Maximum depth required:

AFM of tested sample required? : (Yes/No)

Number of samples: 1 (if maximum load/ rate are not known) / 2 (if maximum load/ rate are known):

Special request (if any):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- Sample should be mirror polished; unpolished samples can damage the tip of indenter.
- Minimum sample dimension required: 10 mm * 10 mm (Thickness may vary).
- Tribometer and Nanohead attachments will run one month each.
- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of "IITGuwahati" and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for Laser Micro Raman system (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

Sample code/Name:

Number of Samples:

Type of Sample (solid/thin-film/liquid/other) and composition:

Special Instruction if any (Excitation wavelength and scanning range may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis)

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif/>



Job Order for AFM (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

Sample code/Name:

Type of Sample:

Mode of operation (Contact/Non-contact etc.): Non-contact mode only.

Type of measurement (Morphology study, data analysis etc.):

Special Instruction if any (magnification may be specified if necessary):

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **Only one sample can be booked at a time.**
- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “IITGuwahati” and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif>



Job Order for Single Crystal XRD (External) Central Instruments Facility, IITGuwahati

User Information

Indenter:

Name of Organization:

(Clearly mention whether it is a National Laboratory/ Educational Institute/ Private or Govt. small scale Industry/etc.)

Address for communication:

Phone number:

E-mail address:

Signature of the indenter:

Signature of recommending Officer with seal

Date:

Time:

1. Data collection in room temp.

2. Data collection in liq. Nitrogen temp

3. Structural determination

Description of the sample

Sample Name :

Composition :

Solvent used :

Sample Properties : Moisture Sensitive Air Sensitive

Please draw the expected structure below

For Office Use Only

Job Order Number (Sl.no. of Analysis):

Payment: Amount Rs:

DD/Chaque No.:

Dated:

Signature of Scientific Officer

N.B.

- **The sample charge has to be paid in advance.** All payments should be made in the form of DD in favour of “**IITGuwahati**” and payment should be sent to the Head, CIF, IITGuwahati,
- The use of this sophisticated equipment should be acknowledged in the published papers/thesis/reports and send us a copy. To download this form and for other information, please visit <http://www.iitg.ernet.in/cif>