



# CSIR- National Environmental Engineering Research Institute Nagpur



## CSIR- NEERI Innovation Hub

### Sophisticated Environmental Analytical Facility (SEAF)

#### List of facilities and applicable charges

| S. N. | Facility  | Type of Measurement/ Description   | Analysis Charges per samples in INR |                               |                          |
|-------|---|--|-------------------------------------|-------------------------------|--------------------------|
|       |   |  | Private Industries                  | Govt. institutes & R & D Labs | Universities / Academics |
| 1.    | High Resolution GC with Magnetic Sector Mass Spectrometer (HRGC-HRMS) | Analysis of organic compound in air, water and solid samples                       | 5000                                | 2000                          | 1000                     |
|       |   | Dioxin and Furan analysis (17)   | 30000                               | 12000                         | 6000                     |
| 2.    | Ion Trap - Gas Chromatograph Mass Spectrometer (IT-GC/MS)             | Analysis of organic compound in air, water and solid samples                       | 3000                                | 2000                          | 800                      |
| 3.    | Quadrupole - Gas Chromatograph Mass Spectrometer (Q-GC/MS)            | Analysis of organic compound in air, water and solid samples                       | 3000                                | 2000                          | 600                      |
| 4.    | Gas Chromatograph (GC)  | Pesticides-OC (17)<br>Pesticides-OP (08)<br>Synthetic Pyrethroids (05)<br>PAH (17) | 800                                 | 500                           | 250                      |
| 5.    | High Pressure Liquid Chromatography (HPLC)                            | Analysis of non-volatile organic compounds   | 1500                                | 1000                          | 500                      |
| 6.    | Ion Chromatography (IC)   | Ions analysis (6 cations or 6 anions)  | 2500                                | 1500                          | 500                      |
|       |   | Additional anion/cation  | 200                                 | 100                           | 50                       |
| 7.    | Inductively Coupled Plasma – Mass Spectrometer (ICP-MS)               | Upto 10 elements per Sample  | 3000                                | 1200                          | 600                      |
|       |   | Additional elements  | 300                                 | 200                           | 100                      |
| 8.    | Inductively Coupled Plasma – Optical Emission Spectrometer (ICP-OES)  | Upto 10 elements per Sample  | 2000                                | 1000                          | 500                      |
|       |   | Additional elements  | 200                                 | 100                           | 50                       |
| 9.    | Atomic Absorption Spectrometer (AAS)                                  | Elemental concentration (per element)  | 500                                 | 300                           | 100                      |
| 10.   | FTIR Spectroscopy   | Liquid/Solid sample  | 800                                 | 500                           | 200                      |
| 11.   | Fluorescence Spectrometer (FS)  | Liquid /Solid sample   | 1200                                | 700                           | 250                      |

| S. N. | Facility                               | Type of Measurement/ Description   | Analysis Charges per samples in INR |                               |                          |
|-------|--|--|-------------------------------------|-------------------------------|--------------------------|
|       |  |  | Private Industries                  | Govt. institutes & R & D Labs | Universities / Academics |
| 12.   | Protein Purification System (PPS)      | IEC, size exclusion chromatography, HIC                                  | 1500/day                            | 1000/day                      | 500/day                  |
| 13.   | Total Organic Carbon Analyzer (TOCA)   | Quantification of total organic, inorganic carbon<br>Liquid/Solid sample | 1300                                | 900                           | 300                      |
| 14.   | CHNS Analyser                          | Elemental Characterization in CHNS mode                                  | 2200                                | 1400                          | 450                      |
| 15.   | Direct Mercury Analyser (DMA)          | Mercury quantification for solid and liquid samples                      | 1800                                | 800                           | 400                      |
| 16.   | Scanning Electron Microscope (SEM)     | Solid sample characterization  | 3000                                | 1500                          | 800                      |
| 17.   | Atomic Force Microscope (AFM)          | Surface topology of micro/nanomaterials                                  | 2500                                | 1500                          | 800                      |
| 18.   | Thermogravimetric Analyser (TGA/STA)   | Thermal properties of materials  | 2000                                | 1000                          | 500                      |
|       | TGA with MS for analysis of flue gases | Flue gas characterization  | 3000                                | 1800                          | 1000                     |

### How to submit the Sample

- **Kindly submitting the Analysis Request Form given as Annexure I at end of this file by sending the filled in form by email to [seaf@neeri.res.in](mailto:seaf@neeri.res.in)**
- **After receiving the charge details, samples can be submitted personally or by post/courier to following address along with sample submission form given as Annexure II at end of this file:**

Coordinator SEAF  
 CSIR-NEERI Innovation Hub  
 National Environmental Engineering Research Institute  
 Nehru Marg, Nagpur – 440020  
 Maharashtra, India

- All the users are required to submit MSDS (Material Safety Data Sheets) for each sample they submit and a certificate stating that the samples submitted are non- toxic / non-hazardous and that the sample does not require special precaution while handling.

## Mode of payment

- **Analysis will be undertaken only after receipt of 100 % payment in advance**
- Payment is acceptable through online transfer (RTGS/NEFT) as per following details:

*Director, CSIR-NEERI, Nagpur,  
SBI Saving Account No.30266513766,  
IFS Code: SBIN0004224,  
Swift Code:1172040995*

*or*

Demand Draft drawn in favour of 'Director, CSIR-NEERI, Nagpur' payable at SBI, CSIR-NEERI, Nagpur.

- GST will be charged extra (As per Government rules): *CSIR-NEERI GSTIN : 27AAATC2716R2ZE*
- These charges are only for analytical results excluding data analysis/interpretation. **In special cases data analysis/interpretation services can be provided on payment of extra charges on case to case basis.**
- Standard operating procedure will be followed for analysis. **Special method development may be undertaken as per the information provided by user on extra payment basis.**
- Courier charges extra @ actual. Digital copy of data will be charged Rs. 50.00 per sample (Excluding media cost)

## Terms and Conditions

- All possible care will be taken in handling the samples. We will not be responsible for any damage during transit or handling. If analysis cannot be carried out on any sample, the same will be returned to the customer.
- Potentially hazardous samples may not be accepted for analysis.
- Collect unutilized samples if any, at the time of collecting report. Samples which are not collected within a week from the date of sample analysis will be disposed of immediately without any further notice.
- Any discrepancy in results has to be cleared in a week from date of dispatch of result.
- Analytical data/spectra will be provided either in printed or in digital format as applicable. CD/printable charges may be extra. Data will be archive for 30 days from date of acquisition and will not be available to user after that period.
- The analytical data/spectra are provided only for research/development purpose. These cannot be used as certificates in legal disputes.
- The facility timings are from 9.30 am to 6.00 pm. The facility is closed on Saturday, Sunday and government holidays.

## Annexure I

### CSIR- National Environmental Engineering Research Institute Nagpur



CSIR- NEERI Innovation Hub

Sophisticated Environmental Analytical Facility (SEAF)



### Analysis Request Form

(Use Separate form for each instrumental facility)

Date: \_\_\_\_\_

|                                    |  |
|------------------------------------|--|
| Name of the Applicant              |  |
| Institute/University/ Organization |  |
| User Category                      | Industry/ Govt. Lab/R & D institution / University |
| Address for correspondence         |  |
| e-mail                             |  |
| Phone / Mobile / Fax               |  |

#### Sample Details

No. of Samples : \_\_\_\_\_

| Instrument required for analysis | Details of Analysis to be carried out ( <i>Refer Analysis charges table</i> ) | Analytes* (See note below) | Toxic/ Non-toxic |
|----------------------------------|---|----------------------------|------------------|
|                                  |   |                            |                  |

\*Elements to be analysed in case of ICP-AES/ICP-MS/AAS

\*Anions/Cations in Case of IC

Signature of Researcher

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#### Only for Official Use

Request Form Reference : \_\_\_\_\_

Review of test/analysis : Test Possible ( ) Not Possible ( )

Amount payable : \_\_\_\_\_

Remarks (if any). \_\_\_\_\_

Instrument In-Charge

Coordinator SEAF

## Annexure II



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CSIR- NEERI Innovation Hub



Sophisticated Environmental Analytical Facility (SEAF)

### Sample Submission Form

|                                    |  |
|------------------------------------|--|
| Request form reference & date      |  |
| Name of the Applicant              |  |
| Institute/University/ Organization |  |
| User Category                      | Industry/ Govt. Lab/R & D institution / University |
| Address for correspondence         |  |
| e-mail                             |  |
| Phone / Mobile / Fax               |  |
| Billing Address                    |  |

#### Payment Details: (Any one mode)

| Mode | DD/UTR/NEFT No. | Bank Details | Amount | Date |
|------|-----------------|--------------|--------|------|
| DD   |                 |              |        |      |
| RTGS |                 |              |        |      |
| NEFT |                 |              |        |      |

#### Sample Details:

No. of Samples:

| S. No. | Sample ID | Instrument required for analysis | Details of Analysis to be carried out ( <u>Refer Analysis charges table</u> ) | Analytes* (See note below) | Storage condition | Toxic/ Non-toxic | Dispose / Retain |
|--------|-----------|----------------------------------|---|----------------------------|-------------------|------------------|------------------|
|        |           |                                  |   |                            |                   |                  |                  |
|        |           |                                  |   |                            |                   |                  |                  |
|        |           |                                  |   |                            |                   |                  |                  |

\*Elements to be analysed in case of ICP-AES/ICP-MS/AAS

\*Anions/Cations in Case of IC:

Insert additional rows for each sample

Signature of Researcher