

TESTING SERVICES AND RATES OF CSIR-NEIST, JORHAT

Sophisticated Analytical Equipments and charges

Sl No	Sample	Description of Job	Cliential Type	Revised Total Charges (in ₹ / per sample (Excluding taxes)	
1	Analysis in Sophisticate equipments	FESEM	Industry	5000	
			Educational Institute/Research Institute	1250	
2		EDX	Industry	1000	
			Educational Institute/Research Institute	250	
			FESEM & EDX	CSIR-NEIST	150
3		HRMS/LCMS	Industry	4000	
			Educational Institute/Research Institute	1000	
			CSIR-NEIST	100	
4		AFM	Industry	10000	
			Educational Institute/Research Institute	2500	
			CSIR-NEIST	400	
5		Fluorescence Spectrophotometer (1hour/5 samples)	Industry	1200	
			Educational Institute/Research Institute	600	
			CSIR-NEIST	100	
		Fluorescence Spectrophotometer (Time resolve)	Industry	1250	
			Educational Institute/Research Institute	750	
			CSIR-NEIST	120	
6		HRTEM-Sample preparation	Industry	400	
	Educational Institute/Research Institute		100		
	HRTEM (Imaging)	Private Industry	10000		
		Educational Institute/Research Institute	2500		
	HRTEM-HAADF	Industry	800		
		Educational Institute/Research Institute	200		
	HRTEM-Bright Field	Industry	1000		
		Educational Institute/Research Institute	250		
	HRTEM-EDS	Industry	800		
		Educational Institute/Research Institute	200		
	HRTEM-EDS & Mapping	Industry	1000		
		Educational Institute/Research Institute	250		
HRTEM-STM	Industry	1000			
	Educational Institute/Research Institute	250			
HRTEM-AII	CSIR-NEIST	500			

Testing charges of other equipments

Sl.No	Sample	Description of Job	Revised Total Charges (in ₹ (Excluding taxes))
1	Engineering Materials	Tensile Test (Ultimate Tensile Strength, Yield Strength and Elongation)	2200/sample
2		Bend Test	1200/sample
3		Hardness Test (conducted in 3 scales/types viz., Rockwell, Brinell & Vickers)	1200/type of test/sample
4		Unit weight	200/sample
<i>Sample preparation charge</i>			<i>1000/sample</i>
5	Effluent Water	BOD Biological Oxygen Demand	2150/sample
6		COD Chemical Oxygen Demand	1500/sample
7		TOC Total Organic Carbon	2000/sample
8	Water	Total count (bacterial)	500/sample
9		Bacteriological Analysis (Total count, Coliform & <i>E.coli</i>)	750/sample
10		Yeast & Mold count	750/sample
11		SRB Count	1000/sample
12		pH, Total Solids, Turbidity, Alkalinity, Hardness, Calcium, Magnesium, Sulphate, Chloride & Iron	1000/sample
13		pH, Total Solids, Turbidity, Alkalinity, Hardness, Calcium, Magnesium, Sulphate, Chloride, Iron, Sodium, Potassium, Manganese and Zinc	3000/sample ¹
14		Iron only	300/sample
15		Silt	500/sample
16		pH/Conductivity- each	250/sample
17		Other samples	Yeast & Mold Count
18	Total Count (bacterial)		3500/sample
19	Soil	Atterberg's Limit	350/sample ²
20		Natural moisture content	250/sample
21		Grain size analysis: sieve	650/sample ²
22		Grain size analysis: Hydrometer	2250/sample
23		Dry and Bulk Density	550/sample
24		Specific Gravity and Void Ratio	550/sample
25		Unconfined Compression Test	800/sample
26		Triaxial Test (Undrained unconsolidated)	2200/sample
27		Permeability Test (Laboratory)	2200/sample
28		Vane Shear Test	4800/sample
29		Consolidation Test	2700/sample
30		Free Swelling Index Test	600/sample
31		Field Proctor Density and CBR values	5500/sample
32		Laboratory CBR Tests as specified soaked condition	4800/sample
33		Swelling Pressure Test	600/sample
34		Shrinkage Limit Test	600/sample
35		Clay and Gravel Content	900/sample
36		pH/Conductivity- each	250/sample

37		Organic Matter	500/sample (<i>Processing charges extra</i>)
38		SRB Count	3500/sample
39		Total Count (bacterial)	3500/sample
40	Food	SRB Count	3500/sample
41		Salmonella, Streptococcus, <i>Vibrio cholerae</i> Count	750/test/sample
42	Tea	Moisture, ash, alkalinity of ash and ash insoluble in acid	2000/sample
43	Mustard oil	Mustard oil	1500/sample
44	Fertilizers	Sulphate of Ammonia for Nitrogen only	500/sample
45		Urea for Nitrogen only	500/sample
46		Super-Phosphate for P ₂ O ₅	500/sample
47		Muriate of Potash for K ₂ O	500/sample
48		Mixed Fertilizer for NPK	1500/sample
49		P ₂ O ₅ and K ₂ O	1000/sample
50		Zinc Sulphate	1000/sample
51		Organic Matter	500/sample
52		Each Additional Element	500/sample
53		Phosphate only	1000/sample
54		Natural products	Analysis of Natural products (Major active ingredients- each)
55	Soil from Brick Field	Clay, Silt and Sand Content	600/sample
56		Atterberg's Limit	350/sample ²
57		Green Brick Mix composition (can be done only when Sl.Nos. 52 & 53 are also done)	350/sample ²
58		Drying Shrinkage	600/sample
59		Evaluation by Preparing Test Brick sample	10,000/sample
60	Fine & Coarse Aggregate	Aggregate Impact Value (soft)	350/sample ²
61		Aggregate Impact Value (coarse)	600/sample
62		Aggregate Crushing Value	600/sample
63		Mech. Sieve Analysis (sand)	650/sample ²
64		Sieve Analysis (combined)	900/sample
65		Sieve Analysis (stone)	900/sample
66		Sieve Analysis (single size)	350/sample ²
67		Specific Gravity	350/sample
68		Unit Weight/Bulk Density of sand/stone	600/sample
69		Determination of Material Finer than 75 Micron for Aggregate	400/sample
70		Elongation Index	800/sample
71		Water Absorption Capacity	400/sample
72		Deleterious Material	8500/sample
73		Soundness Test	5000/sample ³
74		Alkali Aggregate Reactivity Test (Mortar Bar Method in 11 aging period in one year)	10000/sample
75		Alkali Aggregate Reactivity Test (Chemical Method)	4000/sample ²
76		Organic Impurities	250/sample
77		Bulk Density	600/sample
78		Particle Size Analysis by Andersson Pipette	1600/sample
79	Particle Size Analysis by Laser Diffraction Particle Size Analyzer	2500/sample	
80		Mineralogical analysis for sand & detrital samples	6500/sample
81	Brick & Hollow Bricks	Compressive/Crushing Strength	420/specimen
82		Water Absorption Capacity	420/specimen

83		Visual Observation and Dimension	250/sample
84		Efflorescence	250/specimen
85	Cement & Concrete	Setting Time	600/sample
86		Compressive Strength 3, 7 and 28 days	2700/sample
87		Fineness by Specific Surface Area method	1300/sample
88		Soundness by Le-Chatellier Expansion	600/sample
89		Compressive Strength of Concrete cubes	500/test
90		Porosity	600/sample
91		Bulk Density	600/sample
92		Specific Gravity	600/sample
93		Chemical Analysis of Cement for the constituents- LOI, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO	1950/sample
94		Chemical Analysis of Cement for each Additional Components like IR, SO ₃ , Na ₂ O, K ₂ O, Chloride, etc.	650/sample ²
95	Concrete admixture	Lignosulphates, carboxylic acids, etc.	3000/sample
96	Clay, Ash, Minerals like Limestone, Dolomite, Rock, Metallic minerals, Refractory Materials and Iron Ore	Chemical Analysis for the constituents- LOI, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO	1950/sample
97		Each Additional Components like IR, SO ₃ , Na ₂ O, K ₂ O, Chloride, etc.	650/sample ²
98		Phosphate	1000/sample
99		Petrographic analysis of rock sample (Thin section under transmitted light)	8000/sample
100		Optical Microscopy under reflected light of ores and metallic minerals	8000/sample
101	Timber	Water Absorption	250/sample
102	Crude oil	API Gravity	1500/sample
103		Pour Point	1500/sample
104		Viscosity	1500/sample
105		Asphaltene Content	1500/sample
106		Asphaltene+Resin Content	3000/sample
107		Wax Content	1500/sample
108		Water Content	1500/sample
109		Distillation Characteristics	1500/sample
110		Petroleum Products	Total Acidity
111	Ash Content		1500/sample
112	Carbon Residue		1500/sample
113	Pour Point		1500/sample
114	Copper Strip Corrosion		1500/sample
115	Distillation Characteristics		1500/sample
116	Flash Point		1500/sample
117	Kinematic Viscosity		1500/sample
118	Density		1500/sample
119	Water Content		1500/sample
120	Water Content by Karl Fisher Titration		2500/sample
121	Interfacial Tension		2500/sample
122	Specific Resistance	1000/sample	
123	Bitumen	Absolute Viscosity	1500/sample
124		Kinematic Viscosity	1500/sample
125		Flash Point	1500/sample
126		Solubility in Trichloroethylene	1500/sample
127		Penetration	1500/sample
128		Softening Point	1500/sample

129		Test on RTFOT- Viscosity Ratio	1500/sample
130		Test on RTFOT- Ductility after TFOT	1500/sample
131	Oil Field	Baryte	7100/sample ²
132		Sodium Formate	6350/sample
133		Bentonite Clay	5000/sample
134	Coal	Moisture (Oven drying)	300/sample
135		Moisture at 60% RH & 40°C	450/sample
136		Free Moisture	500/sample
137		Ash	550/sample
138		Full Proximate Analysis	1500/sample
139		Volatile Matter	650/sample
140		Gross Calorific Value	1250/sample
141		Carbon & Hydrogen	1500/sample
142		Total Sulphur	1400/sample
143		Nitrogen	750/sample
144		Caking Index	1500/sample
145		Swelling Index	800/sample
146		LTC (GK) Coke Type	650/sample
147		LTC (GK) Assay	1500/sample
148		Distribution of Sulphur	3000/sample
149		Handgrove Grindability Index	1200/sample
150		Ash analysis of coal/coke (major oxides)	2500/sample
151		Bulk handling of coal/coke (upto 1000 kg) for Sub-sampling	500/sample
152		Logging of boreholes coal core sample per metre or part	1000/sample
153		Hardness and Total Dissolve Solid	450/sample
154		Ash Fusion Temperature Range	1500/sample
155		Sieve analysis (combined)	1500/sample
156		Ignition Temp. Test by TGA method (Thermogravimetric Analysis Method)	2000/sample
157		Carbonate as CO ₂ (estimated)	850/sample
158*		Particulate matter (PM _{2.5} , PM ₁₀ & SPM) in ambient air	5.00 to 10.00 lakhs (SI.Nos.155 & 156 will be carried out as per CPCB norms, sampling periods 7-10 days, sampling interval 8-12 hrs.)
159*		Particulate matter (PM _{2.5} , PM ₁₀) in stack samples	
160*		Fuel Gas analysis (CO, CO ₂ , SO ₂ , H ₂ S, NO _x , C _x H _y , O ₂)	
161*	Selective Cation & Anion Analysis in Aerosols, Soil and Liquid samples (per ion)	2500/sample	
162*	Testing of coal (caking, non-caking, blends) in Non-recovery Pilot Coke Ovens (750 kg/batch)	10.00 lakhs	
163*	Management of Acid Mine Drainage of NER coal in Pilot Scale	5.00 to 10.00 lakhs	
<i>*SI.Nos.158 to 163 will be done under Consultancy mode</i>			
164	Paper, Paper Board & Pulp Testing	Grammage	750/sample
165		Tensile Index	1000/sample
166		Bursting Index	1000/sample
167		Tear Index	1000/sample
168		Double fold	1000/sample
169		Brightness	1000/sample
170		Cobb sizing	750/sample
171		Moisture	750/sample
172		Wax pick	750/sample
173		Opacity	1000/sample

174		pH	650/sample
175		Ash content	1000/sample
176		Fibre length	750/sample
177		Thickness	750/sample
178		Mechanical pulp	1000/sample
179		Quality of paper	1000/sample
180	Wood, Board, Bamboo, Twines, Ropes sample, Particle Board & Ply Board etc.	Tensile strength	1500/sample
181		MOR/Flexural Strength	1500/sample
182		Density	750/sample
183		Moisture content	750/sample
184		Thickness of rope/twine	750/sample
185		Constituents of rope/twine	750/sample
186	Solid samples & highly scattering samples	UV visible Spectrophotometer	1500/sample
187	Samples for Powder X-Ray Analysis	Diffraction	1000/sample
188		XRD + Single Phase Identification	1500/sample
189		Additional Phase	500/sample/phase
190	Samples for Single Crystal X-Ray Diffraction	Single Crystal X-Ray Diffraction	i. Preliminary investigation charge: 130/- ii. 75/- per hour for first 24 hrs. iii. 65/- per hour for remaining hrs. iv. Minimum: 2000/-per crystal v. Processing of raw intensity data: 30/- for every 100 reflection and part thereof vi. 3300/- per structure.
191	Samples for Surface Area Analysis	BET Surface Area	4000/sample
192		BET Surface Area and Complete Isotherm	5000/sample
193		Pore Size and Pore Volume Determination	6000/sample
194	Samples for Differential Analysis	Differential Scanning Calorimetry- Ambient temperature to 550°C	2000/sample
195		Thermal Analysis upto 1200°C (Thermogram only)	2000/sample
196		Thermal Analysis above 1200°C (Additional charges Rs.200.00 if the required atmosphere is other than air)	4200/sample
197		Thermogram with Interpretation	1700/sample
198		Kinetic Study	2000/sample
199		Samples for other Instrumental Analysis	CHN Analysis
200	LC-MS		3000/sample
201	MS only		1000/sample
202	GC (Basic Analysis)		1000/sample
203	GC-MS		3000/sample
204	AAS- each element		500 (element/sample) + Sample preparation: 500/- extra
205	HPLC		1500/sample
206	Single Zeta Value Measurement		2500/sample
207	Zeta Potential Vs P ^H /additive dose (determination of isoelectric point)		4000/sample

208		IR (FT-IR)	800/sample
209		UV-VIS Spectra	800/sample
210		NMR	550/sample for 60 MHz
211			1000/sample for 300 MHz
212			1500/sample for 500 MHz
213		Gel Permeation Chromatography- in tetrahydrofuran	2500/sample
214	Earthquake data	Earthquake report (seismic parameters) for North East region & adjoining region	3000.00 for single event
215		Earthquake report (seismic parameters) for North East region & adjoining region	60,000.00 for Annual Seismological bulletin
216	Weather data	Monthly Weather Bulletin	3500/bulletin
217	Rain Fall Data	For Three Months	25000 / report

Terms & Conditions:

1. GST, etc. extra
2. Any test not mentioned here may also be taken up on request.
3. The tests are conducted as per prevailing standard.
4. The job is taken up subject to availability of chemicals, manpower and equipment in working condition.
5. The test results are not certified to be used for legal purposes.
6. The rates are subject to change from time to time.
7. *SI Nos.155 to 160 will be done under Consultancy mode.
8. The fees should be deposited in advance by Demand Draft drawn in favour of Director, North East Institute of Science & Technology, Jorhat payable at Jorhat or through Cash deposit to institute Cashier
9. Clients / Party may also contact for any specific tests and analysis, not included in the list.

All communications should be addressed to:

Director, CSIR-NEIST, Jorhat 785006

and may be sent to :

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For technical enquiry of Sophisticated Analytical Equipments contact may also be made to:

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