

Particulars	2013 Schedule of Fees and Charges	Proposed 2022 Fees and Charges	Remarks
A. GEOSCIENTIFIC RESEARCH AND TESTING LABORATORY			
Geothermal-Coal Section			
Laboratory Services			
I. Coal			
Calorific value, CV (Coal)	1,500.00	1,500.00	
Carbon, Hydrogen and Nitrogen, CHN (Coal)	3,650.00	3,650.00	
Carbon, Hydrogen and Nitrogen, CHN (Oil)	4,950.00	4,950.00	
Hardgrove Grindability Index, HGI	1,200.00	1,200.00	
Proximate Analysis	2,000.00	2,000.00	
Residual Moisture, RM	400.00	400.00	
Ash, A	850.00	850.00	
Volatile Combustible Matter, VCM	750.00	750.00	
Sample preparation	650.00	650.00	
Sieve Analysis (per size)	200.00	200.00	
Total Sulfur, S	1,250.00	1,250.00	
II. Geothermal Water Analysis			
Alkalinity	500.00	500.00	
Arsenic (As)	900.00	900.00	
Boron (B)	600.00	600.00	
Cadmium	400.00	400.00	
Calcium (Ca)	400.00	400.00	
Cesium (Cs)	400.00	400.00	
Chloride (Cl)	550.00	550.00	
Chromium (Hexavalent)	450.00	450.00	
Copper (Cu)	400.00	400.00	
Iodide (I)	1,700.00	1,700.00	
Iron (Fe)	400.00	400.00	
Lead (Pb)	400.00	400.00	
Lithium (Li)	400.00	400.00	
Magnesium (Mg)	400.00	400.00	
Manganese (Mn)	400.00	400.00	
Merc	1,500.00	1,500.00	
Nickel (Ni)	400.00	400.00	
pH	350.00	350.00	
Potassium (K)	450.00	450.00	
Rubidium (Rb)	400.00	400.00	
Silica (SiO ₂)	700.00	700.00	
Silver (Ag)	400.00	400.00	
Sodium (Na)	400.00	400.00	
Specific Conductivity	250.00	250.00	
Sulfate (SO ₄)	700.00	700.00	
Total Dissolved Solids	250.00	250.00	
Total Suspended Solids	450.00	450.00	
Zinc (Zn)	400.00	400.00	
Oil and Gas Section			
Laboratory Services			
III. Oil and Gas			
Automotive LPG			
Copper strip corrosion in LPG	-	2,850.00	New
Density of LPG	-	2,250.00	New
Gaugue Vapor Pressure of LPG	-	4,600.00	New
Hydrogen Sulfide in LPG	-	1,500.00	New
LP Gases and Propene Concentrates by GC	-	8,250.00	New
Residue and Volatility	-	2,000.00	New
Sulfur in LPG	-	3,850.00	New
Biodiesel/CME			
Fatty Acid Methyl Esters (FAME) in Biodiesel	4,200.00	4,200.00	
Succeeding Run	2,500.00	2,500.00	
FAME and Methyl Laureate (C12) in Biodiesel	5,800.00	5,800.00	
Succeeding Run	3,380.00	3,380.00	
Free Glycerin in Biodiesel	1,250.00	1,250.00	
Linolenic Acid in Biodiesel	4,320.00	4,320.00	
Succeeding Run	2,100.00	2,100.00	
Methanol in Biodiesel	3,350.00	3,350.00	
Succeeding Run	2,150.00	2,150.00	
Methyl Laureate in Biodiesel	3,750.00	3,750.00	
Succeeding Run	1,950.00	1,950.00	
Mono, Di, Tri, FG and TG in Biodiesel	7,500.00	7,500.00	
Succeeding Run	4,450.00	4,450.00	
Total Acid Number in Biodiesel, Color Indicator	1,625.00	1,625.00	
Total Acid Number in Biodiesel, Potentiometric	2,100.00	2,100.00	
Total Glycerin in Biodiesel	2,750.00	2,750.00	

Bioethanol		
Ethanol and Methanol Purity in Denatured Fuel Ethanol	3,200.00	3,200.00
Succeeding Run	1,650.00	1,650.00
Total Acidity (as Acetic Acid) in Bioethanol	550.00	550.00
Crude Oil		
C12 + Components of Whole Oil/Saturate Fraction	3,950.00	3,950.00
Degree API Gravity of Oil Containing Water and Sediments	590.00	590.00
Degree API Gravity of Oil Without Sample Preparation	450.00	450.00
Extractable Organic Matter/EOM	5,220.00	5,220.00
Fractional Distillation of Crude Oil	1,880.00	1,880.00
Liquid Chromatographic Separation of EOM/Whole Oil into Saturates, Aromatics and NSO	4,050.00	4,050.00
Separation of Crude Oil/Petroleum from Water and Sediments	600.00	600.00
Gas Condensate		
Carbon Dioxide (CO2) in Gas Condensate	1,400.00	1,400.00
Hydrogen sulfide (H2S) in Gas Condensate	1,560.00	1,560.00
Isotope Analysis		
C13 Isotope in Gas Sample	9,950.00	9,950.00
Succeeding Run	5,350.00	5,350.00
N15 Isotope in Various Samples	-	13,700.00
Succeeding run	-	8,700.00
O18 Isotope in Water Sample	10,100.00	10,100.00
Succeeding Run	5,350.00	5,350.00
S34 Isotope in Various Samples	-	13,600.00
Succeeding Run	-	8,650.00
Natural Gas and Biogas		
CO2 and H2S Gases	1,250.00	1,250.00
Hydrocarbon Gases (C1-C4)	3,500.00	3,500.00
Inorganic Gases Plus Methane (N2, H2, Ar, O2, He, C1)	3,350.00	3,350.00
Source Rock and Cuttings		
Pyrolysis of Source Rock	2,700.00	2,700.00
Sample Preparation for Dry Cuttings	450.00	450.00
Sample Preparation for Wet Cuttings	540.00	540.00
Total Organic/Inorganic Carbon	3,050.00	3,050.00
Tetrafluoroethane		
Tetrafluoroethane/R134a		
With Standard	3,320.00	3,320.00
Without Standard	3,100.00	3,100.00
Processed Fuels Section		
Laboratory Services		
IV. Processed Fuels		
API Gravity/Density/Specific Gravity (hydrometer)	600.00	600.00
Acid/base/Acetic/Iodine/Chloride/Saponification	-	2,700.00
Acidity/Alkalinity, pH	-	600.00
Aromatics with Oxygenates, % Volume	6,100.00	6,100.00
Aromatics, % Volume	4,600.00	4,600.00
Ash (sulfated), % Mass	1,900.00	1,900.00
Ash, % Mass	1,900.00	1,900.00
Carbon Residue (Conradson), % Mass	1,100.00	1,100.00
Carbon Residue 10% Distillation Residue, % Mass	2,600.00	2,600.00
Carbon Residue (MCRT), % Mass	1,100.00	1,100.00
Carbon Residue 10% Distillation Residue, % Mass	2,600.00	2,600.00
Cetane Number	10,600.00	10,600.00
Cetane Number, Calculated	2,300.00	2,300.00
Cloud Point, °C	1,100.00	1,100.00
Color, ASTM (Automated)	-	950.00
Color, ASTM (Manual)	500.00	600.00
Copper Corrosion Test	1,700.00	2,400.00
Density/Specific Gravity (Densitometer)	600.00	750.00
Diesel Analyzer-Density/FAME/Cetane Number	1,000.00	1,100.00
Distillation Characteristics, °C	1,700.00	1,900.00
Distillation Temperature (AET), °C	2,800.00	2,800.00
Electrical Conductivity, uS/m	-	650.00
Existent Gum, mg/100ml	-	3,200.00
FAME and Methyl Laureate, % Volume - GC	-	7,300.00
Succeeding Run	-	4,600.00
FAME (Fatty Acid Methyl Ester), vol % (FTIR)	1,400.00	1,400.00
Flash Point (COC), °C	1,400.00	1,400.00
Flash Point (PM), °C	1,000.00	1,000.00
Gasoline Analyzer	1,000.00	1,000.00
Group I & II Metals and Phosphorous, ppm	-	7,500.00
Hydrocarbons (benzene & Aromatics, % Vol)	-	6,900.00
Succeeding Run	-	4,400.00
Insolubles, % Mass		
Pentane	1,700.00	1,700.00
Toluene	1,800.00	1,800.00
Kinematic Viscosity, mm2/s	1,100.00	1,100.00
Lead in Gasoline, g/L (XRF)	2,100.00	2,100.00
Lubricity, Micron	-	5,900.00
Octane Number, Portable	1,000.00	

New

New

New

New

New

New

New

New

New

New

New

New

New

New

New

Octane Number, RON (CFR)	10,400.00	10,400.00	
Oxidation Stability, Hours	4,600.00	4,600.00	
Oxygenates (Ethanol and Methanol), % vol - GC	-	6,900.00	New
Succeeding Run	-	4,400.00	New
Pour Point, °C	1,100.00	1,100.00	
Sediment by Extraction, % Volume	2,200.00	2,200.00	
Sulfur, % Mass (UVF)	2,300.00	2,300.00	
Sulfur, % Mass (WD-XRF)	-	3,000.00	New
Sulfur, % Mass (XRF)	2,100.00	2,100.00	
Vapor Pressure, kPA	900.00	900.00	
Viscosity Index	1,800.00	1,800.00	
Water and Sediments, % Volume	1,100.00	1,100.00	
Water by Distillation, % Volume	1,000.00	1,000.00	
Water by Karl Fischer, % Volume-Volumetric	1,300.00	1,300.00	
Water by Karl Fischer, % Volume-Coulometric	-	3,300.00	New
Wear Metals/Trace Metals, % Volume (per Metal)	800.00	800.00	
Geological Section			
Processing/Sample Preparation			
Coal - Impregnated Polished Section (Briquette)	1,700.00	1,700.00	
Coal - Polished Section (Whole Sample)	950.00	950.00	
Drying of Ditch Cutting Samples (per Box)	1,100.00	600.00	
Impregnated Polished Thin Section (Opaque Minerals)	1,700.00	1,700.00	
Impregnated Polished Thin Section	1,500.00	1,500.00	
Impregnated Polished Thin Section with Blue Dye	1,800.00	1,800.00	
Normal Thin Section	1,200.00	1,200.00	
Plain Slabbing/Plain Cutting	300.00	300.00	
Polished Thin Section (for Opaque Minerals)	1,500.00	1,500.00	
Polished Slab (Max Dimension 3x2x1 inches)	400.00	400.00	
Smear Slide (Calcareous Nanno Fossils)	400.00	400.00	
Staining Using Alizarin Red (1-5 Sample/s)	100.00	100.00	
Washed Residue (Foraminifera)	400.00	400.00	
XRD-Extraction and Air Drying for Oriented Clay	-	500.00	New
XRD-Glycol Treatment for Oriented Clay Sample	-	300.00	New
XRD-Heat Treatment at 400c for Oriented Clay	-	350.00	New
XRD-Heat Treatment at 500c for Oriented Clay	-	350.00	New
XRD- Powdering for Random Sample	-	250.00	New
Analysis			
Coal - Vitrinite Reflectance Measurement	-	3,500.00	New
Coal - Maceral Identification	-	4,000.00	New
Megascopic/Hand Specimen Rock Identification	500.00	500.00	
Micropaleontological Analysis of Rock Sample (Foraminifera)	1,900.00	1,900.00	
Micropaleontological Analysis of Rock Sample (nanno fossil)	1,500.00	1,500.00	
Petrographic Analysis of Rock Sample	1,500.00	1,500.00	
X-ray Diffraction Analysis per Scan	-	2,000.00	New
X-ray Diffraction, Interpretation	-	1,500.00	New
Laboratory Services			
Other Services			
Biostratigraphic Report of Well			
First 7,000 feet/2,133 meters)	48,000.00	48,000.00	
(excluding Sample Preparation and Analysis)			
For succeeding 1,000 ft or a fraction thereof, 10% of computed cost	4,800.00	4,800.00	
Photomicrography of Fossils (1-5 samples, final shot/s)	400.00	400.00	
Photomicrography of Rocks (1-5 samples, final shot/s)	500.00	500.00	
B. LIGHTING AND APPLIANCE TESTING DIVISION			
General			
Validation of Energy Label	200.00	200.00	
Appliance and Equipment Section			
Performance Testing of Air Conditioner			
Full Load (Fixed Type)	12,400.00	12,400.00	
Half Load (CSPF)	-	12,400.00	New
Performance Testing of Refrigerator			
Complete Test	24,000.00	24,000.00	
Partial Test	14,200.00	14,200.00	
Ice Making Test	-	10,000.00	New
Freezing Capacity Test	-	10,000.00	New
Performance Testing of Television	4,700.00	4,700.00	
Performance Test of Washing Machine	21,400.00	21,400.00	
Inspection of Generic Models/Exempted Products	600.00	600.00	
Witness Testing (local and foreign)	500.00	500.00	
Performance Testing of Cooking Stoves	6,500.00	6,500.00	
Lighting and Other Devices Section			
Electrical Measurement	-	440.00	New
Goniophotometry (Elec Lamps/Luminaries)	11,600.00	11,600.00	
Spherephotometry (Elec Lamps)	740.00	740.00	
Endurance Test - Temp Cycling Test	-	10,800.00	New
Endurance Test - Supply Switching Test	-	2,200.00	New

10W-22W LFL and CFL Life Test (1,900 hrs)	11,580.00	11,580.00
10W-22W LFL and CFL Lumen Maintenance	19,200.00	19,200.00
10W-22W LFL and CFL Life Test every next 1,000 hrs	2,200.00	2,200.00
10W-22W LFL and CFL Photometric with Aging	-	10,500.00
23W-32W LFL and CFL Life Test (100 hrs)	7,720.00	7,720.00
23W-32W LFL and CFL Life Test (1,900 hrs)	13,480.00	13,480.00
23W-32W LFL and CFL Lumen Maintenance	21,200.00	21,200.00
23W-32W LFL and CFL Life Test every next 1,000 hrs	3,200.00	3,200.00
33W-40W LFL and CFL Life Test (100 hrs)	7,800.00	7,800.00
33W-40W LFL and CFL Life Test (1,900 hrs)	15,000.00	15,000.00
33W-40W LFL and CFL Lumen Maintenance	22,800.00	22,800.00
33W-40W LFL and CFL Life Test every next 1,000 hrs	4,000.00	4,000.00
Other Light Sources above 40W-100W@100hrs Life Test	8,400.00	8,400.00
Other Light Sources Above 40W-100W@1,900hrs Life Test	26,400.00	26,400.00
Other Light Sources Above 40W-100W Lumen Maintenance	34,800.00	34,800.00
Other Light Sources Above 40W-100W@ Life Test at every 1,000 hrs	10,000.00	10,000.00
Other Light Sources Above 100W-200W@100hrs Life Test	9,400.00	9,400.00
Other Light Sources Above 100W-200W@1,900 hrs Life Test	45,400.00	45,400.00
Other Light Sources Above 100W-200W Lumen Maintenance	54,800.00	54,800.00
Other Light Sources Above 100W-200W@ Life Test at every 1,000 hrs	20,000.00	20,000.00
Ballast BEF (10W - 40W)		
Ballast (5 samples)	12,200.00	12,200.00
Calibration/Instrumentation and Control Section		
Calibration of Platinum Resistance Thermometer (PRT)	4,900.00	4,900.00
Calibration per Additional Temp Point for PRT	980.00	980.00
Calibration of liquid-in-glass (LIG) Thermometer	1,650.00	1,650.00
Calibration per Additional Temp Point for LIG	600.00	600.00
Calibration of Digital/Bi-Metal Thermometer/RTD/Thermocouple	1,950.00	1,950.00
Calibration per Additional Temp Point	390.00	390.00
Calibration of Digital Power Meter (DPM)	4,900.00	4,900.00
Calibration per Additional Point	350.00	350.00
Calibration of Digital Multimeter (DMM) up to 4 1/2 Digits Res	3,250.00	3,250.00
Calibration per Additional Point	200.00	200.00
Calibration of AC/DC Voltmeters	1,950.00	1,950.00
Calibration per Additional Point	390.00	390.00
Calibration of AC/DC Ammeters	2,100.00	2,100.00
Calibration per Additional Point	420.00	420.00
Calibration of Ohmmeter	1,950.00	1,950.00
Calibration per Additional Point	390.00	390.00
Calibration of Resistors	1,350.00	1,350.00
Calibration per Additional Point	300.00	300.00
Calibration of Clamp Meter	2,050.00	2,050.00
Calibration per Additional Point	410.00	410.00

New