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ISO 9001:2008

## सरदार स्वर्ण सिंह राष्ट्रीय जैव ऊर्जा संस्थान

(नवीन और नवीकरणीय ऊर्जा मंत्रालय भारत सरकार का एक स्वायत्त संस्थान)

### Sardar Swaran Singh National Institute of Bio-Energy

(An Autonomous Institution of Ministry of New and Renewable Energy, Govt. of India)  
(Formerly, Sardar Swaran Singh National Institute of Renewable Energy)

Wadala Kalan, Jalandhar-Kapurthala Road,  
Kapurthala, (Punjab)-144 601

Ref: 348-11/9/2021-R and D

Date: 18.01.2022

### Circular

#### Subject: User Charges for testing, Project Evaluation, Consultation etc. – reg

The undersigned is directed to convey the revised testing charges of the samples, tested at various equipments in Sardar Swaran Singh National Institute of Bio Energy, Kapurthala.

2. The updated testing charges are as follows:

Sr. No.	Equipment Name	Sample Nature	Analysis Rate (per sample) (Rs/hr)	
			Industry/ Institutes	Students
1.	HPLC	Liquid sample	2000.00	500.00
2.	UV-Vis Spectrophotometer	Liquid sample	500.00	250.00
3.	Lyophilizer	Liquid sample	1,500.00	1,000.00
4.	Fibre Tech	Solid sample (Powder form)	3,000.00	2,000.00
5.	GC for gas analysis	Gas sample	1,000.00	500.00
6.	Proximate Analysis (C moisture, Volatile matter, Ash content and Fixed carbon)	Solid samples	1,500.00	750.00
7.	Bomb Calorimeter	Both solid and liquid samples	2,000.00	1,000.00
8.	CHNS-O Analyser	Both solid and liquid samples	5,000.00	3,000.00
9.	DSC	Both solid and liquid samples	2,000.00	1,000.00

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10.	Density Meter	Liquid sample	500.00	500.00
11.	Flash Point/Fire Point Apparatus	Diesel and heavier fractions	400.00	400.00
12.	Kinematic Viscometer	Liquid sample	200.00	200.00
13.	Ramsbottom carbon residue	Liquid sample	400.00	400.00
14.	TGA/DTA	Both solid and liquid samples	2,000.00	1,000.00
15.	GC Analysis (FAME)	FAME	3,000.00	2,000.00
16.	TBP Distillation	Any Biocrude oil	15,000.00	8,000.00
17.	Oxidation Stability	Diesel and heavier fractions	1,000.00	800.00
18.	Acid Value	Any oil	500.00	200.00
19.	Iodine Value	Any oil	500.00	500.00
20.	Domestic cook stove	---	25,000.00	--
21.	Community cook stove	---	40,000.00	--
22.	Fuel Analyzer (Cetane Index/number)	Liquid sample	10,000.00	5,000.00
23.	Biodiesel test	Liquid sample	5,000.00	2,000.00
24.	Pellet / Briquette testing	Solid sample	10,000.00	3,000.00
25.	FPLC	Liquid sample	2000.00	500.00
26.	RT-PCR	Liquid sample	2000.00	500.00
27.	Phase Contrast Microscopy	Both solid and liquid samples	2000.00	500.00
28.	Fluoresce Microscopy	Both solid and liquid samples	2000.00	500.00
29.	Gradient PCR	Liquid sample	1000.00	500.00
30.	2-D Gel electrophoresis	Liquid sample	2000.00	500.00
31.	Fuel Analyzer (Cetane Index/number)	Liquid sample	10,000.00	5,000.00
32.	Biodiesel test	Liquid sample	5,000.00	2,000.00

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3. Charges for Project Evaluation/ Feasibility Study are as follows:

<b>Sr No</b>	<b>Project Size for Biogas/ BioCNG Generation</b>	<b>Proposed Charges</b>
1	Plant size < 1,000 m <sup>3</sup>	Rs 1,00,000 per DPR
2	Plant size 1,000 m <sup>3</sup> - 10,000 m <sup>3</sup>	Rs 2,50,000 per DPR
3	Plant size > 10,000 m <sup>3</sup>	Rs 4,00,000 per DPR

4. Charges for Consultancy work like DPR preparation are kept at Rs 10,00,000 or 5% of the project cost, whichever is lower.

This is with the approval of the Competent Authority



(Dr. Sachin Kumar)  
Dy. Dir (Admin)