



# केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्

आयुष मन्त्रालय, भारत सरकार  
जवाहर लाल नेहरू भारतीय चिकित्सा एवं होम्योपैथी अनुसंधान भवन  
61-65, सांस्थानिक क्षेत्र, सम्मुख 'डी' ब्लॉक, जानकपुरी, नई दिल्ली-110058

**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES**

Ministry of AYUSH, Govt. of India  
Jawahar Lal Nehru Bhartiya Chikitsa Evam Homoeopathy Anusandhan Bhawan  
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F.No.28-2/2002-CCRAS/Admn.(Vol.I) / 5099

Dated 19 DEC 2022

To

The Director (Instt.)/Asstt. Director/  
Research Officer In charges,  
All the peripheral institutes under CCRAS  
(As per list enclosed)

**Subject : Revision of the User Charges for new services and discount to the Government Institutes/Colleges/Universities and Bona-fide student of the recognized College/Universities/Research Institutes.**

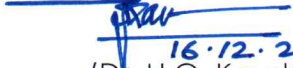
Sir/Madam,

In supersession of this Council's letter of even no.4570 dated 21<sup>st</sup> November, 2022, I am directed to forward herewith the list of revised rates of User Charges for already existing services and new rates for newly proposed services of Botany & Pharmacognosy, Chemistry & Pharmacology Sections, duly approved by the Standing Finance Committee (SFC) in the 95<sup>th</sup> meeting held on 2.9.2022.

Approval of the competent authority is also accorded for 25% discount to the Govt. institutes/Colleges/Universities and 50% discount to the bona-fide students of the recognized universities/Research institutes.

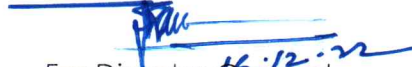
Encl : As above

Yours faithfully,

  
16.12.22  
(Dr. H.O. Kaushik)  
Asstt. Director (Co-ordn.)  
For Director General

Copy to :

1. All Technical Officers in CCRAS (Hqrs), New Delhi.
2. All Admn. Officers in CCRAS (Hqrs), New Delhi.
3. PPS to DG/PS to DDG

  
16.12.22  
For Director General

**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES  
PROPOSED USER CHARGES FOR BOTANY, PHARMACOGNOSY,  
CHEMISTRY AND PHARMACOLOGY SECTIONS**

**A. APPROVED USER CHARGES UNDER BOTANY & PHARMACOGNOSY SECTIONS**

<b>Sl. No.</b>	<b>Name of the Service</b>	<b>Rates approved by SFC in 95<sup>th</sup> meeting held on 2.9.2022</b>
1.	Medicinal Plants/ Seedling/ Saplings if available in stock for sale purpose per plant	Herb/shrub: 50 Tree: 100
2.	Garden visit (For an individual student)	30
3.	Garden visit (For a group of 30 students)	300
4.	Foreigner visit	200
5.	Taxonomic Identification/ authentication of medicinal plants (fresh sample)	400
6.	Taxonomic Identification/ authentication of medicinal plants and Herbarium voucher specimen deposition in the Institute	500
7.	Authentication of crude drug –Macroscopic studies including organoleptic properties	600
8.	Authentication of crude drug-Single Drug Anatomy (sectional studies)	2500
9.	Authentication of crude drug-Powder Microscopy	2000
10.	Standardization and characterization of Single & Compound Formulations (pharmacognostic study)	2500
11.	Pharmacognosy/Botany Training/ Dissertation work related charges (per month)	5000

**Note: Discount is available as follows:**

- 1. Govt. Institutes / Universities: 25% discount on total testing charges**
  - 2. Bona-fide students of recognized universities/research institutes: 50% discount on total testing charges**
- \* GST as applicable**

**B. APPROVED ANALYSIS/USER CHARGES FOR TESTING/TRAINING  
(CHEMISTRY SECTION)**

<b>Instrument</b>	<b>Sl. No.</b>	<b>Test</b>	<b>Rate approved by SFC in 95<sup>th</sup> meeting held on 2.9.2022</b>
	1.	Foreign matter	100
	2.	Loss on drying	500
	3.	Total / Acid Insoluble Ash	500
	4.	pH Value	300
	5.	Water soluble Extractive Value	300
	6.	Alcohol soluble Extractive Value	500
	7.	Volatile Oil/ Fixed Oil	500
	8.	Tablet Hardness	300
	9.	Disintegration Time	500
	10.	Friability	500
	11.	Uniformity of weight (Capsules/Tablets)	300
	12.	Total Solids	400
	13.	Refractive Index	300
	14.	Acid Value	500
	15.	Iodine Value	500
	16.	Saponification value	500
	17.	Unsaponifiable matter	500
	18.	Peroxide Value	500
	19.	Rancidity test	300
	20.	Specific Gravity	300
	21.	Alcohol Content	500
	22.	Total Sugar content	500
	23.	Reducing / Non Reducing Sugar	500
	24.	Glucose-Fructose Ratio	500
	25.	Aniline Chloride Test	300
	26.	Total Fat Content	500
	27.	Resin content	400
	28.	Carotene Content	1000
	29.	Melting Point (Pure compound)/ Congealing Point	300
	30.	Viscosity	1000
	31.	Test for Mineral Oil	300
	32.	Assay of Metal Ion/Element (Qualitative/ion)	500 each
	33.	Assay of Lead, Arsenic, Mercury, and Cadmium (ICP-OES/AAS)	500 each
	34.	Sample preparation by microwave	200



Instrument	Sl. No.	Test	Rate approved by SFC in 95 <sup>th</sup> meeting held on 2.9.2022
		sample digester (per sample)	
	35.	Assay of metal Volumetric/Gravimetric method (Cu, Fe, Ca etc)	500 each
	36.	Assay of Metal (single) Flame Photometer (Na, K)	500 each
	37.	Qualitative Phytochemical screening	2000
	38.	Aflatoxins (HPLC)	3000
	39.	Pesticide Residue (GC/GC-MS/LC-MS)	4000
	40.	Total Microbial Plate Count	1000
	41.	Total Yeast/Mold Count	1000
	42.	Detection of specific pathogen – <i>E. coli</i>	700
	43.	Detection of specific pathogen – <i>Salmonella sp.</i>	700
	44.	Detection of specific pathogen – <i>P. aeruginosa</i>	700
	45.	Detection of specific pathogen – <i>S. aureus</i>	700
<b>Certified Raw Material (CRM)*</b> (With complete CoA)	46.	Reference Material of Raw Drug	15000 (price may vary on case to case basis)
<b>High Performance Thin Layer Chromatography (HPTLC)</b>  * (If Markers provided by user)	47.	HPTLC Profiling (If method is provided)	1000
	48.	HPTLC Profiling (With method development)	2000
	49.	HPTLC Marker Based Profiling (With method development)	3000
	50.	Method Development (Quantification)	5000
<b>UV/VIS Spectrophotometer</b>	51.	Profiling/ Scan	500
	52.	Total Phenolic	2000
	53.	Total Flavonoids	2000
	54.	Total Tannins	2000
	55.	Total Alkaloids	2000
	56.	Method Development	3000
<b>FTIR Spectroscopy</b>	57.	Profiling/Scan (per sample)	1000

<b>Instrument</b>	<b>Sl. No.</b>	<b>Test</b>	<b>Rate approved by SFC in 95<sup>th</sup> meeting held on 2.9.2022</b>
<b>Particle Size Analyzer</b>	58.	Solid, Liquid, Semisolid	1500
<b>High Pressure Liquid Chromatography (HPLC)</b>  * (If Markers provided by user)	59.	HPLC Profiling (If method Provided)	2500
	60.	HPLC Profiling (With method development)	3500
	61.	HPLC Marker Based Profiling (With method development)	5000
	62.	Method Development (Quantification)	7000
<b>Gas Chromatography (GC)</b> * (If Markers provided by user)	63.	GC Profiling (If method Provided)	2500
	64.	GC Profiling (With method development)	3500
	65.	GC Marker-Based Profiling (With method development)	5000
	66.	Method Development and Quantification of volatile active constituents	7000
<b>Mass Spectrometry GC-MS/MS Mass Spectrometry (GC-MS/MS)</b>  * (If Markers provided by user)	67.	GC-MS Profiling (If method provided & Library Search)	4000
	68.	GC-MS Profiling (With method development & Library Search)	7000
	69.	GC-MS Quantification (If method provided)	10000
	70.	GC-MS Quantification (With method development)	15000
<b>Mass Spectrometry LC-MS/MS Mass Spectrometry (LC-MS/MS)</b>  * (If Markers provided by user)	71.	LC-MS Profiling (If method provided)	5000
	72.	LC-MS Profiling (With method development)	7000
	73.	LC-MS Quantification (If method provided)	10000
	74.	LC-MS Quantification (With method development)	15000
<b>Stability Testing</b>	75.	Accelerated Study	35000



Instrument	Sl. No.	Test	Rate approved by SFC in 95 <sup>th</sup> meeting held on 2.9.2022
(For every additional year multiply with No. of Years)		(6 Months including all basic tests)	
	76.	Long Term/ Real Time (1 Year including all basic tests)	60000

Note: Discount is available as follows:

3. Govt. institutes / Universities: 25% discount on total testing charges

4. Bona-fide students of recognized universities/research institutes: 50% discount on total testing charges

#### C. TRAINING AND SKILL DEVELOPMENT CHARGES

S. No.	Training title	Charges and No. of days
1.	Training on basic test parameters as per API	Rs.15000/- for 20 days
2.	Training on all basic parameters as per API and sophisticated instrument (LC-MS/MS, GC-MS/MS, HPLC, ICP-OES, HPTLC, & Particle Size Analyzer) <b>CARI, Jhansi</b>  Training on all basic parameters as per API and sophisticated instrument LC-MS, GC, HPLC, AAS, ICP-OES, HPTLC – <b>CSMCARI, Chennai</b>	Rs. 10000/- for 07 days Rs. 20000/- for 15 days Rs. 30000/- for 30 days  Rs. 20000/- for 20 days
3.	Training on all basic parameters as per API and sophisticated instruments (GC, HPLC, AAS, HPTLC, UV-Visible spectrophotometer & FTIR etc.) - <b>RARI, Gwalior</b>	Rs. 10,000/- for One week Rs. 20,000/- for Two weeks Rs. 30,000/- for Four weeks

\*: GST as applicable

#### D. APPROVED USER CHARGES PERTAINING TO PHARMACOLOGY (PRECLINICAL STUDIES)

##### i. Safety and Efficacy studies

##### ii.

TEST NAME	Rate approved by SFC in 95 <sup>th</sup> meeting held on 2.9.20221
Acute oral Toxicity Study OECD 420/423/425	40,000
Acute oral Toxicity Study OECD 420 and OECD 425	50,000
28 Days Repeated Dose Oral Toxicity OECD 407	4,00,000 (Rats)

	2,50,000 (Mice)
90 Days Repeated Dose Oral Toxicity study OECD 408	8,00,000 (Rats) 6,00,000 (Mice)
Acute Dermal Toxicity Study OECD 402	40,000/-
Sub-acute dermal toxicity (Rats) 410	4,00,000/-
Sub Chronic Dermal Toxicity 90 days study OECD 411	8,00,000/-
Hepatoprotective activity evaluation study in any one model (D-galactosamine / Paracetamol / Alcohol induced/ Carbon tetra chloride)	80,000/-
Nephroprotective activity evaluation study in any one model (Cisplatin induced /Diclofenac induced /Gentamycin induced)	80,000/-
Analgesic (Radiant heat method, Hot plate method and Acetic acid induced writhing method)	80,000/-
Anti-inflammatory in any one model (Carrageenan induced rat paw oedema)	50,000/-
Anti-inflammatory in any one model (Cotton pellet granuloma model)	70,000/-
Antipyretic activity evaluation study	50,000/-
Anti-Diabetic activity evaluation study- type I (STZ Model)	2,00,000/-
Anti-Diabetic activity evaluation study- type II (Streptozotocin – nicotinamide model))	2,00,000/-
Anti-Diabetic activity evaluation study- type II (High fat diet +STZ Model)	2,50,000/-
Diuretic/Anti-Diuretic activity evaluation study	80,000/-
Anti-dyslipidemic activity evaluation study (High fat diet)	2,50,000/-
Wound healing activity in any one model (Burn excision/incision wound)	70,000/-
Antiulcerative activity evaluation study (Alcohol induced)	80,000/-

Antiulcerative activity evaluation study Pyloric ligation	1,00,000/-
<u>CNS activity evaluation study.</u>	
Anxiolytic activity (Elevated Plus maze)	50,000/-
Antidepressant activity (Porsalt Forced swim test)	50,000/-
Learning and Memory Evaluation ( Water Maze test)	70,000/-
Learning and Memory Evaluation (Elevated Plus maze)	50,000/-
Antiarthritic activity (Complete Freund's Adjuvant)	1,00,000/-



iii. Hematology / Biochemical analysis (Pre Clinical studies)

TEST NAME	Rate approved by SFC in 95 <sup>th</sup> meeting held on 2.9.2022
CBC	400
LFT Package	550
Lipid Profile Package	400
Glucose	60
Urea	100
Creatinine	100
Serum sodium	200
Serum Potassium	200
Chloride	200
Alanine Transaminase (ALT)	100
Albumin	80
Alkaline Phosphatase (ALP)	100
Aspartate Transaminase (AST)	100
Direct Bilirubin (BD)	80
Total Bilirubin (BT)	80
Blood Urea Nitrogen (BUN)	80
Calcium	80
Cholesterol	80
Gamma-Glutamyl Transferase (GGT)	140
HDLc	100
LDH	140
LDLc	160
Magnesium	100
Phosphorus	80
Total Protein	80
Triglycerides	100
Uric acid	100
VLDLc	100
A/G Ratio	140
Kidney Function test (Urea/BUN, Creatinine, Total Protein, Albumin)	300
Cardiac Enzymes (CK, AST, LDH)	360
Urine analysis	600

iv. **Histopathology**

<b>TEST NAME</b>		
<b>Histopathology</b> (Slide preparation, interpretation and photomicrographs)	<b>H&amp;E staining</b> (All tissues except bones)	800
	<b>H&amp;E staining(bones)</b>	1000
	<b>Special staining</b> (PAS, Alcian blue, Sirius Red, Masson's trichrome, Prussian blue, Luxol fast blue, Toluidine blue etc)	1200
<b>Cytology</b>	Blood/Bone marrow/urine/body fluid	400
<b>Immunohistochemistry</b> (If antibodies are provided by user)	Blood/Bone marrow/urine/body fluid	2000

**Note: Discount is available as follows:**

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\* GST as applicable

v. **Lab utilization / Training/ dissertation charges under Pharmacology section**

<b>Lab utilization charge/ Training/ dissertation</b>	<b>Rate approved by SFC in 95<sup>th</sup> meeting held on 2.9.20221</b>
Lab. Utilization Charges for PG /Ph.D students	Rs, 5,000/- per month (excluding consumable charges)
<b>Dissertation Work</b>	Rs. 15,000/- for 3 months for MSc / M Phil students in Biochemistry dept. (excluding consumable charges)
	Rs. 20,000/- for 3 months for M.Pharm / M Phil students in Pharmacology dept. (excluding consumable charges)
<b>Training Programme</b>	Basics of Cell Culture and Cytotoxicity Studies (One month) – 10,000/-
	Basics of Genotoxicity, Ames test and Comet Assay - (One month) – 10,000/-
	Hands on training programme in Biochemistry ( two weeks) - 6000/-
	Hands on training programme in Pharmacology ( two weeks) - 8000/-
	Summer training programme in Biochemistry Dept. – (One month) – 10,000 /-
	Summer training programme in Pharmacology Dept. – (One month) – 10,000 /-

\* GST as applicable