

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

**CSMCARI- CCRAS**

A. PROPOSED USER CHARGES UNDER BOTANY & PHARMACOGNOSY SECTIONS			
S. No.	Name of procedure	Revised rates approved by 102 <sup>nd</sup> CCRAS - IFC held on 20/02/2025 and by the Ministry of Ayush vide their letter no. L-19013/25/2025-AS, dated 16/05/2025 Rs.	Sample specifications/ Details/ Remarks
1.	Taxonomic identification of specimen – Herbarium Herbarium Specimen (per plant/specimen)	250/-	Specimens must have identifiable characters. Preferably, flowering twig; fruiting twigs are also acceptable if flowering twig is not available. Isolated plant parts (Eg. Leaf, twig only etc.) will not be accepted. Herbaceous plants must preferably be submitted with their root system. Applicants must provide metadata (Date of collection, collectors, Locality, Altitude, GPS etc.) if herbarium voucher accession number is required.
2.	Taxonomic identification of medicinal plants (fresh/ dried)	250/-	Specimens must have identifiable characters. Preferably, flowering twig; fruiting twigs are also acceptable if flowering twig is not available. Isolated plant parts (Eg. Leaf, twig etc.) will not be accepted. Herbaceous plants must preferably be submitted with their root system. Applicants must provide metadata (Date of collection, collectors, Locality, Altitude, GPS etc.) if herbarium voucher accession number is required.
3.	Authentication of raw material of Botanical origin (Single Part)	2750/-	The sample has to be in good condition free from any dirt or other contaminants. A minimum of 30-50 grams of sample will be required in a sealed / airtight container with proper labelling / code. For fresh samples, the sample must be free of fungal / bacterial infection.
4.	Identification of crude drugs by Organoleptic characters	550/-	The sample has to be in good condition free from any dirt or other contaminants. A minimum of 30-50 grams of sample will be required in a sealed / airtight container with proper labelling / code. For fresh samples, the sample must be free of fungal / bacterial infection.

5.	Standardisation and characterisation of single drugs – Powder microscopy	2200/-	Whole drug / powder of the plant sample should be labelled/coded properly and secured to prevent any contamination. A minimum of 30-50 grams of sample is required.
6.	Standardisation and characterization of compound formulation – powder microscopy	2200/-	Powder formulations should be labelled/coded properly and secured to prevent any contamination. A minimum of 30-50 grams of sample is required.
7.	Preliminary Phytochemical /Histochemical test - Anatomy	2200/-	Mature plant parts are preferred. The samples must be labelled/coded properly secured to prevent any contamination. For fresh samples, precautions are to be taken to prevent any infection/damage to the sample. A minimum of 30-50 grams of sample is required.
8.	Quantitative Microscopic study of a leaf's parameters – Anatomy	2200/-	The sample should be secured to prevent any crushing of the leaf. A minimum of 30-50 grams of sample is required.

S.no	Test Name	Rate approved by SFC in 95 <sup>th</sup> meeting held on 02.09.2022 Rs.	Sample specifications/ Details/ Remarks
9.	Authentication of crude drug - Single drug anatomy (Sectional studies)	2500	Mature plant parts are preferred. The samples must be labelled/coded properly secured to prevent any contamination. For fresh samples, precautions are to be taken to prevent any infection/damage to the sample.
10.	Pharmacognosy/ Botany Training/ Dissertation work-related charges (per month)	5000	Students interested in attending the training/ dissertation work, should obtain proper permission from the department head / institute.
<p>Note: Discount is available as follows</p> <p>1. Govt. Institutes/Universities: 25% discount on total testing charges</p> <p>2. Bona-fide students of recognized universities/research institutes: 50% discount on total testing charges</p>			

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

S.No.	Test Parameter	Revised rates approved by 102nd CCRAS- IFC held on 20/02/2025 and by Ministry of Ayush vide their letter No. L-19013f25/2025-AS, dated 16/05/2025 Rs.	Sample specifications/ Details/ Remarks
11.	Loss on drying at 105°C	220/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
12.	Refractive index	220/-	Ghrita, Taila,
13.	Acid value	440/-	Ghrita, Taila
14.	Saponification value	440/-	Ghrita, Taila
15.	Iodine Value	440/-	Ghrita, Taila
16.	Fat Content	330/-	Araka, Dravaka, Ghrita, Taila
17.	Peroxide Value	440/-	Ghrita, Taila
18.	Rancidity Test	220/-	Ghrita, Taila, Lepa
19.	Ash Value	220/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
20.	Acid Insoluble Ash	220/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
21.	pH	220/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
22.	Specific Gravity	220/-	Asava, Arista, Arka, Dravaka
23.	Total Solids	220/-	Asava, Arista
24.	Alcohol Content	440/-	Asava, Arista
25.	Reducing sugar and total sugar	660/-	Asava, Arista, Arka, Dravaka, Lehyam
26.	Volatile Matter	440/-	Arka, Dravaka
27.	Water-soluble extractive	220/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
28.	Alcohol soluble extractive	440/-	Churna, Kvatha churna, Bhasma, Rasayana, Ghrita, Taila, Avaleha/Leham, Varti, Pishti, Chunnam, Ghana sattva, Guggulu, Lauha, herbal drugs, Plant materials
29.	Assay of iron	440/-	Bhasma, Pisti, Rasayana, Mandura, Karpam, Cunnam
30.	Assay of Calcium	440/-	Bhasma, Pisti, Rasayana, Parapati

31.	Assay of Potassium by Flame Photometer	440/-	Ksara, Lavana, Raw drugs, Formulations
32.	Assay of Sodium by Flame Photometer	440/-	Ksara, Lavana, Raw drugs, Formulations
33.	Assay of Lead	440/-	Metal/Element raw materials and Formulations
34.	Assay of Copper	440/-	Bhasma, Pisti, Rasayana, Parapati
35.	Assay of Mercury	440/-	Metal/Element raw materials and Formulations
36.	Resin Content	330/-	Guggulu
37.	Disintegration Test	220/-	Varti, Gutika
38.	Standardization of single plant drugs as per APC Format (loss on drying at 105 °C. Ash value, Acid insoluble ash, pH, Water soluble extractive, Alcohol soluble extractive, HPTLC)	8800/-	Minimum 100 g sample required
39.	Foreign Matter	220/-	-
40.	UV Spectrum	330/-	-
41.	TLC with photographs	880/-	Churna, Kvatha churna, Raw drugs, Formulation, Asava, Arista, Arka, Dravaka, Guggulu, Mandura, Karpam, Cunnam, Lep
42.	HPTLC- Qualitative	3850/-	Churna, Kvatha churna, Raw drugs, Formulation, Asava, Arista, Arka, Dravaka, Guggulu, Mandura, Karpam, Cunnam, Lep, Netrabindu
43.	HPTLC- Quantitative (Respective Marker Provided by the Customer)	4400/-	Churna, Kvatha churna, Raw drugs, Formulation, Asava, Arista, Arka, Dravaka, Guggulu, Mandura, Karpam, Cunnam, Lep, Netrabindu
44.	Assay of Elements by AAS a. Lead	1320/-	Metal/Element raw materials and Formulations
45.	b. Cadmium	1320/-	Metal/Element raw materials and Formulations
46.	Extraction from plant powder (per kg) by cold maceration method	3300/-	-
47.	Extraction from plant powder (per kg) by successive cold maceration method	6600/-	-
48.	Organic Qualitative Analysis (per extract)	1100/-	Preliminary Phytochemical Screening

<b>B. APPROVED ANALYSIS/USER CHARGES FOR TESTING/TRAINING (CHEMISTRY SECTION)</b>			
<b>S.no</b>	<b>Test Name</b>	<b>Rate approved by SFC in 95<sup>th</sup> meeting held on 02.09.2022 Rs.</b>	<b>Sample specifications/ Details/ Remarks</b>
49.	Friability	500/-	Tablets
50.	Uniformity of Weight (Capsules/Tablets)	300/-	Varti, Gutika
51.	Resin Content	400/-	Guggulu
52.	Assay of trace Metal ion/element	500/- each	By using ICP-OES
53.	Sample preparation by microwave digester (per sample)	200/-	Churna, Kvatha churna, Raw drugs, Formulation
54.	Assay of Arsenic and Cadmium (ICP-OES/AAS)	500 /-each	Churna, Kvatha churna, Raw drugs, Formulation
55.	Aflatoxins (HPLC)	3000/-	A minimum of 50 grams of sample with proper labelling/code is required. Solid / liquid / semisolid samples should be properly sealed in an airtight container to prevent any spillage/contamination.
56.	Pesticide residue (GC-MS-MS)	4000/-	A minimum of 50 g of samples should be provided.
<b>UV Spectrophotometer</b>			
57.	Profiling/ Scan	500/-	Churna, Kvatha churna, Raw drugs, Formulation
58.	Total phenols estimation	2000/-	Churna, Kvatha churna, Raw drugs, Formulation
59.	Total flavonoids	2000/-	Churna, Kvatha churna, Raw drugs, Formulation
60.	Total tannins	2000/-	Churna, Kvatha churna, Raw drugs, Formulation
61.	Total alkaloids	2000/-	Churna, Kvatha churna, Raw drugs, Formulation
<b>FTIR Spectroscopy</b>			
62.	Profiling/Scan	1000/-	Churna, Kvatha churna, Raw drugs, Formulation
<b>HPLC</b>			
63.	HPLC profiling (if method provided)	2500/-	Churna, Kvatha churna, Raw drugs, Formulation
64.	HPLC profiling with method development	3500/-	Churna, Kvatha churna, Raw drugs, Formulation
<b>Gas chromatography-Mass Spectrometer</b>			
65.	GC-MS profiling (If method provided and library research)	4000/-	Samples should be solvent-free.
66.	GCMS profiling (with method development and library search)	7000/-	Samples should be solvent-free.

<b>Stability testing</b>			
67.	Accelerate study (6 months, including all basic tests)	35000/-	Churna, Kvatha churna, Raw drugs, Formulation
68.	Long-term/ Real term (1 year, including all basic tests)	60000/ year	Churna, Kvatha churna, Raw drugs, Formulation
<p>Note: Discount is available as follows</p> <p>1. Govt. Institutes/Universities: 25% discount on total testing charges</p> <p>2. Bona-fide students of recognised universities/research institutes: 50% discount on total testing charges</p>			

<b>C. APPROVED ANALYSIS/USER CHARGES FOR TESTING/TRAINING (MICROBIOLOGY SECTION)</b>			
S.no	Test Name	Rate approved by SFC in 95 <sup>th</sup> meeting held on 02.09.2022 Rs.	Sample specifications/ Details/ Remarks
69.	Total microbial plate count	1000/-	Submit Samples in a aseptic container with a minimum of 50 g and above for the microbial limit test
70.	Total yeast/Mold count	1000/-	
71.	Detection of specific pathogens – <i>E .coli</i>	700/-	
72.	Detection of specific pathogens – <i>Salmonella sp.</i>	700/-	
73.	Detection of specific pathogens – <i>P. aeruginosa</i>	700/-	
74.	Detection of specific pathogens – <i>S. aureus</i>	700/-	
<p>Note: Discount is available as follows</p> <p>1. Govt. Institutes/Universities: 25% discount on total testing charges</p> <p>2. Bona-fide students of recognised universities/research institutes: 50% discount on total testing charges</p>			

**D. TRAINING AND SKILL DEVELOPMENT CHARGES (Rate approved by SFC in 95<sup>th</sup> meeting held on 02.09.2022)**

S.no	Training title	Charges and no. of day Rs.	Sample specifications/ Details/ Remarks
1.	Training on basic test parameters as per API	Rs. 15000/- for 20 days	-
2.	Training on all basic parameters as per API and training for sophisticated instruments such as: UV-VIS, IR, Flame Photometer, HPTLC, AAS, ICP-OES, GC-MS-MS, etc.	Rs. 20000/- for 20 days	-

\*GST as applicable

**E. APPROVED USER CHARGES PERTAINING TO PHARMACOLOGY (PRECLINICAL STUDIES)  
(Animal studies will be conducted as per CCSEA guidelines)**

**I & II. Safety and efficacy studies**

S.no	Test Name	Rate approved by SFC in 95 <sup>th</sup> meeting held on 02.09.2022 Rs.	Sample specifications/ Details/ Remarks
75.	Acute oral toxicity study OECD 420/423/425	40,000/-	-
76.	Acute oral toxicity study OECD 420 and 425	50,000/-	-
77.	28-day repeated dose oral toxicity study OECD 407	4,00,000/- (Rats) 2,50,000/- (Mice)	For Mice, based on the customer requirement, the cost may vary
78.	90 days repeated dose oral toxicity study OECD 408	8,00,000 (Rats) 6,00,000 (Mice)	For Mice, based on the customer requirement, the cost may vary
79.	Acute dermal toxicity study OECD 402	40,000/-	-
80.	Sub-acute dermal toxicity OECD 410	4,00,000/- (Rats)	-
81.	Sub-chronic dermal toxicity (90-day) OECD 411	8,00,000/-	-
82.	Hepatoprotective activity evaluation study in any one model (D-galactosamine/ Paracetamol / Alcohol induced / Carbon tetrachloride)	80,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
83.	Nephroprotective activity evaluation study in any one model (Cisplatin induced/ Diclofenac induced/ Gentamycin induced)	80,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
84.	Analgesic (Radiant heat method, hot plate method and acetic acid induced writhing method)	80,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
85.	Anti-inflammatory in any one model (Cotton pellet granuloma model)	70,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
86.	Anti-pyretic activity evaluation study	50,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
87.	Anti-diabetic activity evaluation study – type II (High fat diet + STZ model)	2,50,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
88.	Diuretic/Anti-diuretic activity evaluation study	80,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
89.	Anti-dyslipidemia activity evaluation study (High fat diet)	2,50,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the

			customer.
90.	Wound healing activity in any one model (Burn excision/incision model)	70,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
91.	Anti-ulcerative activity evaluation study (Alcohol induced)	80,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
92.	Anti-ulcerative activity evaluation study (Pylorus ligation)	1,00,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.
93.	CNS activity evaluation study  Anxiolytic activity (Elevated plus maze) Antidepressant activity (Porsolt forced swim test) Learning and Memory evaluation (Water maze test) Learning and Memory evaluation (Elevated plus maze test)	50,000/-  50,000/- 70,000/- 50,000/-	The price may vary based on the inducing/ reference and outcome parameters stated by the customer.

### III. Hematology / Biochemical analysis (Preclinical Studies)

S.no	Test name	Rate approved by SFC in 95 <sup>th</sup> meeting held on 02.09.2022 Rs.	Sample specifications/ Details/ Remarks
94.	Complete blood count	400/-	Based on reagent availability
95.	Urinalysis	600/-	Based on reagent availability
96.	Liver function test (package)	550/-	-
97.	Lipid profile (Package)	400/-	-
98.	Glucose	60/-	-
99.	Urea	100/-	-
100.	Creatinine	100/-	-
101.	Serum sodium	200/-	-
102.	Serum potassium	200/-	-
103.	Chloride	200/-	-
104.	Alanine transaminase (ALT)	100/-	-
105.	Albumin	80/-	-
106.	Alkaline phosphate (ALP)	100/-	-
107.	Aspartate Transaminase (AST)	100/-	-
108.	Direct bilirubin	80/-	-
109.	Total Bilirubin	80/-	-
110.	Calcium	80/-	-
111.	Cholesterol	80/-	-
112.	Gamma Glutamyl transferase	140/-	-
113.	HDLc	100/-	-
114.	LDLc	160/-	-
115.	LDH	140/-	-
116.	Phosphorus	80/-	-
117.	Total protein	80/-	-
118.	Triglycerides	100/-	-

119.	Uric acid	100/-	-
120.	Kidney function test (Urea, Creatinine, Total protein, Albumin)	300/-	-
121.	Cardiac enzymes (CK, AST, LDH)	360/-	-

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

#### V. Lab utilisation/Training/dissertation charges under the Pharmacology section

Lab utilization charge/ Training/Dissertation	Rate approved by SFC in 95 <sup>th</sup> meeting held on 02.09.2022 Rs.
Lab utilization charges for PG/PhD students	Rs. 5,000/- per month (Excluding consumable charges)
Dissertation work	Rs. 15,000/- for 3 months  for MSc/M. Phil students in the Biochemistry dept (excluding consumable charges)
	Rs. 20,000/- for 3 months  for M. Pharm/ M. Phil students in the Pharmacology department (excluding consumable charges)
Training programme	Rs. 6000/-  Hands-on training programme in Biochemistry (2 weeks)
	Rs. 8000/-  Hands-on training programme in Pharmacology (2 weeks)
	Rs. 10,000/-  Summer training programme in the Biochemistry department (One month)
	Rs. 10,000/-  Summer training programme in the Pharmacology department (One month)
	Rs. 10,000/-  Summer training programme in the Pharmacology department (One month)

\*GST as applicable