

SCHEDULE X

Minimum essential requirements for department of Rasashastra and
Bhaishajya kalpana including teaching pharmacy

Serial number	Standard or item required	Minimum requirement as per intake capacity				Available Quantity	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	1	
2.	Printer	1	1	1	1	1	
3.	Electronic-Display (Smart board or smart television or light emitting diodes display)	1	1	2	2	1	
Teaching pharmacy cum museum							
4.	Khalva yantra - small	10	15	20	25	15	
5.	Khalva yantra - medium	10	15	20	25	15	
6.	Khalva yantra - porcelain (different sizes)	10	15	20	25	15	
7.	Taptakhalva yantra	3	5	8	10	5	
8.	Pounding apparatus (ulukhala yantra)	3	5	8	10	5	
9.	Pestle and mortar glass	2	2	5	5	2	
10.	Putas (different kind)	3	3	5	8	3	
11.	Koshti with blower	2	4	6	8	4	
12.	Moosha (crucibles)	30	30	50	50	30	
13.	Dola yantra	1	1	1	1	1	
14.	Valuka yantra	1	1	1	1	1	
15.	Pithara yantra	1	1	1	1	1	
16.	Bhudhara yantra	1	1	1	1	1	
17.	Distillation apparatus and arka yantra	1	1	1	1	1	
18.	Kupipakva bhatti	1	1	1	1	1	
19.	Digital balance	1	1	1	1	1	
20.	Bottle sealing machine (Manual / Automatic)	1	1	1	1	1	
21.	Sealing machine	1	1	1	1	1	
22.	Filling machine	1	1	1	1	1	
23.	Distillation apparatus glass or Ark yantra one litre	2	2	4	4	2	
24.	Wet grinder	1	1	1	1	1	
25.	Mixer or grinder	1	1	1	1	1	
26.	Juice extractor	1	1	1	1	1	
27.	Ball mill (Stainless steel balls)	As Desirable					
28.	Tincture press	1	1	1	1	1	
29.	Refrigerator	As required					
30.	Amirah and racks for storage	As required					
31.	Electronic balance of different capacities (up to 100 grms with accuracy 1.0 milligram, 100-1000 grams with accuracy 1.0 gram, 1 kilogram and above)	3	3	3	3	3	
32.	Gas stoves	1	1	1	1	1	
33.	Hot plate	1	1	1	1	1	
34.	Chulla (charcoal)	1	1	1	1	1	
35.	Pulveriser (Lab Model)	1	1	1	1	1	
36.	Granulator	1	1	1	1	1	
37.	Hand operated tablet punching machine	1	1	1	1	1	
38.	Tablet coating Pan unit with hot air blower laboratory size	1	1	1	1	1	
39.	Tablet polishing pan laboratory size	1	1	1	1	1	

40.	Dryer	1	1	1	1	1																																																									
41.	Homogenizer	1	1	1	1	1																																																									
42.	Pills making machine	As Desirable				Available																																																									
43.	End runner machine	As Desirable				Available																																																									
44.	Edge runner machine	As Desirable				Available																																																									
45.	Capsule filling machine	As Desirable				Available																																																									
46.	Double cone blender	As Desirable				Available																																																									
47.	Liquid filling machine	As Desirable				Available																																																									
48.	Planetary mixer (Lab Model)for ointment or cream	1	1	1	1	1																																																									
49.	Mechanised kharal- two or four arms	As Desirable				Available																																																									
50.	Chimney or air handling unit	As Desirable				Available																																																									
51.	Mohs hardness test kit	5	8	10	12	8																																																									
52.	Hot air oven	1	1	1	1	1																																																									
53.	Walkers steel yard (for specific gravity of minerals)	As Desirable																																																													
54.	Automatic flask shaker	1	1	1	1	1																																																									
55.	Water bath	1	1	1	1	1																																																									
56.	Digital pH (per Hydrogen ion Concentration) meter	1	1	1	1	1																																																									
57.	Tablet hardness tester	1	1	1	1	1																																																									
58.	Muffle furnace (Horizontal) 12 inches x 12 inches x 18 inches digital x maximum temp 1250°C.	1	1	2	2	1																																																									
59.	Muffle furnace (Horizontal) (ash content tester) x digital display x maximum temp 900°C	1	1	2	2	1																																																									
60.	Vertical furnace – Kupa pack type (two bottles) X Digital X Maximum temp 900°C	1	1	2	2	1																																																									
61.	Non-contact infrared thermocouple K- type	1	1	2	2	1																																																									
62.	Thermocouple K-type	1	1	2	2	1																																																									
63.	Desiccator glass	As Desirable				Available																																																									
64.	Desiccator with vacuum	As Desirable				Available																																																									
65.	Vacuum pump	As Desirable				Available																																																									
66.	Collapsible tube –filling and sealing equipment	As Desirable				Available																																																									
67.	Brass vessel	Assorted				Available																																																									
68.	Copper vessel					Assorted				Available																																																					
69.	Steel vessel									Assorted				Available																																																	
70.	Earthen vessels-pots													Assorted				Available																																													
71.	Porcelain crucible																	Assorted				Available																																									
72.	Jars (porcelain) fermentation purpose																					Assorted				Available																																					
73.	Enamel trays																									Assorted				Available																																	
74.	Tray drier																													Assorted				Available																													
75.	Hand grinding mill																																	Assorted				Available																									
76.	Pressure cooker																																					Assorted				Available																					
77.	Mearuning equipement's different size (glass)																																									Assorted				Available																	
78.	Pyrometer																																													Assorted				Available													
79.	Thermometer																																																	Assorted				Available									
80.	Frying pan																																																					Assorted				Available					
81.	Steel vessel																																																									Assorted				Available	
82.	Spatula																																																													Assorted	
83.	Ladles and spoons	Assorted																																																													
84.	Knife					Assorted																																																									
85.	Plates									Assorted																																																					

86.	Samdamsa yantra (tongs)		Available	
87.	Sieves (assorted numbers and size)		Available	
88.	Kitchen aprons		Available	
89.	Steel trays		Available	
90.	Oven gloves		Available	
91.	Kadahi - iron		Available	
92.	Aluminium vessels		Available	
93.	Clay graphite silver melting crucible maximum temp 1500°C		Available	
94.	Crucible tongs 18 inches Stainless steel		Available	
95.	Ointment spatula		Available	
96.	Lipstick moulds		Available	
97.	Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers	As required	Available	

Shivaram

PRINCIPAL
Late Kedari Redekar Ayurvedic
Mahavidyalaya, P.G. Training and
Research Institute, Gadhingla