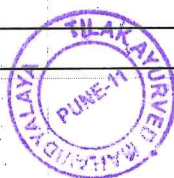


SCHEDULE X

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	11	
9.	Pestle and mortar glass	2	2	5	5	0	
10.	Putas (different kind)	3	3	5	8	3	
11.	Koshti with blower	2	4	6	8	2	
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 / Automic)	1	1	1	1	0	
21.	Sealing machine	1	1	1	1	0	
22.	Filling machine	1	1	1	1	0	
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	2	
26.	Juice extractor	1	1	1	1	1	
27.	Ball mill (Stainless steel balls)(As Desirable				0	
28.	Tincture press	1	1	1	1	1	
29.	Refrigerator	1	1	1	1	1	
30.	Amirah and racks for storage	As required				Adequate	
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	22	
33.	Hot plate	1	1	1	1	1	

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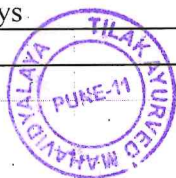


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34.	Chulla (charcoal)	1	1	1	1	6	
35.	Pulveriser (Lab Model)	1	1	1	1	0	
36.	Granulator	1	1	1	1	0	
37.	Hand operated tablet punching machine	1	1	1	1	1	
38.	Tablet coating Pan unit with hot air blower laboratory size	1	1	1	1	0	
39.	Tablet polishing pan laboratory size	1	1	1	1	0	
40.	Dryer	1	1	1	1	0	
41.	Homogenizer	1	1	1	1	0	
42.	Pills making machine	As Desirable				0	
43.	End runner machine	As Desirable				0	
44.	Edge runner machine	As Desirable				1	
45.	Capsule filling machine	As Desirable				0	
46.	Double cone blender	As Desirable				0	
47.	Liquid filling machine	As Desirable				0	
48.	Planetary mixer (Lab Model)for ointment or cream	1	1	1	1	0	
49.	Mechanised kharal- two or four arms	As Desirable				0	
50.	Chimney or air handling unit	As Desirable				0	
51.	Mohs.hardness test kit	5	8	10	12	0	
52.	Hot air oven	1	1	1	1	1	
53.	Walkers steel yard (for specific gravity of minerals)	As Desirable				Yes	
54.	Automatic flask shaker	1	1	1	1	0	
55.	Water bath	1	1	1	1	1	
56.	Digital pH (per Hydrogen ion Concentration) meter	1	1	1	1	0	
57.	Tablet hardness tester	1	1	1	1	0	
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	0	
60.	Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900°C	1	1	2	2	0	
61.	Non-contact infrared thermocouple K-type	1	1	2	2	0	
62.	Thermocouple K-type	1	1	2	2	0	
63.	Desiccator glass	As Desirable				0	
64.	Desiccator with vacuum	As Desirable				0	
65.	Vacuum pump	As Desirable				0	
66.	Collapsible tube – filling and sealing equipment	As Desirable				0	
67.	Brass vessel					Adequate	
68.	Copper vessel					Adequate	
69.	Steel vessel					Adequate	
70.	Earthen vessels-pots					Adequate	
71.	Porcelain crucible					Yes	
72.	Jars (porcelain) fermentation purpose					Adequate	
73.	Enamel trays					Adequate	
74.	Tray drier					0	

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75.	Hand grinding mill	Assorted	0	
76.	Pressure cooker		1	
77.	Mearuning equipement's different size (glass)		Adequate	
78.	Pyrometer		1	
79.	Thermometer		Adequate	
80.	Frying pan		Adequate	
81.	Steel vessel		Adequate	
82.	Spatula		Adequate	
83.	Ladles and spoons		Adequate	
84.	Knife		Adequate	
85.	Plates		Adequate	
86.	Samdamsa yantra (tongs)		Adequate	
87.	Sieves (assorted numbers and size)		Adequate	
88.	Kitchen aprons		Adequate	
89.	Steel trays		Adequate	
90.	Oven gloves		Adequate	
91.	Kadahi - iron	Adequate		
92.	Aluminium vessels	Adequate		
93.	Clay graphite silver melting crucible maximum temp 1500°C	Adequate		
94.	Crucible tongs 18 inches Stainless steel	Adequate		
95.	Ointment spatula	1		
96.	Lipstick moulds	1		
97.	Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers	As required	a) Sample : Adequate, b) Containers: Inadequate	


 I/c Principal
 Tilak Ayurved Mahavidyalaya
 Pune - 11



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