

Minimum essential requirements for Teaching Departments

**SCHEDULE X-A (AS per MSR 2016)**

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

S. No.	Equipment and Instruments	Up to 60 intake capacity	Available	Deficiency
<b>Essential</b>				
<b>1</b>	<b>Khalva Yantra-</b>			
<b>a)</b>	Small	Ten	Ten	
<b>b)</b>	Medium	Ten	Ten	
<b>c)</b>	Porcelain	Ten	Ten	
<b>d)</b>	Taptakhalvyantra	Two	Two	
<b>2</b>	Pounding Apparatus (Ulukhala Yantra)	Ten	Ten	
<b>3</b>	Putas (Different kind)	Five	Five	
<b>4</b>	Moosha (Crucibles)	Thirty	Thirty	
<b>5</b>	Koshti with Blower	Two	Two	
<b>6</b>	<b>Yantras</b>			
<b>a)</b>	Dola Yantra	One	One	
<b>b)</b>	Valuka Yantra	One	One	
<b>c)</b>	Pithara Yantra	One	One	
<b>d)</b>	Bhudhara Yantra etc.	One	One	
<b>7</b>	Distillation Apparatus and Arka Yantra	Three	Three	
<b>8</b>	Kupipakva Bhatti	One	One	
<b>General</b>				
<b>9</b>	Wet Grinder	One	One	
<b>10</b>	Mixi	One	One	
<b>11</b>	Juice Extractor	One	One	
<b>12</b>	Refrigerator	One	One	
<b>13</b>	Almiras and Racks for storage	Assorted	Assorted	
<b>14</b>	<b>Balance (Different Capacities)</b>			
<b>a)</b>	Physical	One	One	
<b>b)</b>	Chemical	One	One	
<b>c)</b>	Electronic Balance	One	One	
<b>15</b>	<b>Heating Device-</b>			
<b>a)</b>	Gas Stove	Assorted	Assorted	
<b>b)</b>	Hot plate	Assorted	Assorted	
<b>c)</b>	Chulla (Charcoal)	Assorted	Assorted	
<b>16</b>	<b>Big Vessels and Containers-</b>			

a)	Brass	Assorted	Assorted	
b)	Copper	Assorted	Assorted	
c)	Steel etc.	Assorted	Assorted	
d)	Earthen Vessels-Pots	Assorted	Assorted	
<b>Miscellaneous</b>				
17	Jars(Porcelain) Fermentation Purpose	Assorted	Assorted	
18	Enamel Trays	Assorted	Assorted	
19	Spirit Lamp	Assorted	Assorted	
20	Pressure Cooker	Assorted	Assorted	
21	Measuring Equipments Different Size (Glass)	Assorted	Assorted	
22	Pyrometer	Assorted	Assorted	
23	Thermo meter	Assorted	Assorted	
24	Vessels		Assorted	
a)	Frying Pan	Assorted	Assorted	
b)	Steel Vessel	Assorted	Assorted	
c)	Spatula	Assorted	Assorted	
d)	Ladles and Spoons	Assorted	Assorted	
e)	Knife	Assorted	Assorted	
f)	Plates	Assorted	Assorted	
g)	Samdamsa Yantra(Tongs)	Assorted	Assorted	
25	Sieves (Assorted Nos. and Size)	Assorted	Assorted	

  
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**SCHEDULE X-B (AS per MSR 2024)**

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		
1	Computer with internet	1	1	
2	Printer	1	1	
3	Electronic-Display (Smart board or smart television or light emitting diodes display)	1	-	
Teaching pharmacy cum museum				
4	Khalva yantra Small	10	10	
5	Khalva yantra Large	10	10	
6	Khalva yantra - porcelain (different sizes)	10	10	
7	Taptakhalva yantra	3	3	
8	Pounding apparatus (ulukhala yantra)	3	3	
9	Pestle and mortar glass	2	2	
10	Putas (different kind)	3	3	
11	Koshti with blower	2	2	
12	Moosha (crucibles)	30	30	
13	Dola yantra	1	1	
14	Valuka yantra	1	1	
15	Pithara yantra	1	1	
16	Bhudhara yantra	1	1	
17	Distillation apparatus and arka yantra	1	1	
18	Kupipakva bhatti	1	1	
19	Digital balance	1	1	
20	Bottle sealing machine	1	-	
21	Sealing machine	1	-	
22	Filling machine	1	-	
23	Distillation apparatus glass or Ark yantra one litre	2	2	
24	Wet grinder	1	1	
25	Mixer or grinder	1	1	
26	Juice extractor	1	1	
27	Ball mill (Stainless steel balls)	1	-	
28	Tincture press	1	1	
29	Refrigerator	1	1	
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	
32	Gas stoves	1	2	
33	Hot plate	1	1	
34	Chulla (charcoal)	1	1	
35	Pulveriser	1	1	
36	Granulator	1	-	
37	Hand operated tablet punching machine	1	-	
38	Tablet coating Pan unit with hot air blower laboratory size	1	-	
39	Tablet polishing pan laboratory size	1	-	
40	Dryer	1	1	
41	Homogenizer	1	1	
42	Pills making machine	1	-	
43	End runner machine	1	-	
44	Edge runner machine	1	-	
45	Capsule filling machine	1	-	
46	Double cone blender	1	-	
47	Liquid filling machine	1	-	
48	Planetary mixer for ointment or cream	1	-	
49	Soft gelatine capsule filling	1	-	
50	Mechanised kharal- two or four arms	1	-	



51	Chimney or air handling unit	1	-	
52	Mohs hardness test kit	5	-	
53	Hot air oven	1	1	
54	Walkers steel yard (for specific gravity of minerals)	1	-	
55	Automatic flask shaker	1	1	
56	Water bath	1	1	
57	Digital pH (per Hydrogen ion Concentration) meter	1	-	
58	Tablet hardness tester	1	1	
59	Muffle furnace 12 inches x 12 inches x 18 inches digital X maximum temp 1250°C with window (quartz) thermal image visor	1	-	
60	Muffle furnace (ash content tester) x digital display x Maximum temp 900°C	1	-	
61	Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900°C	1	-	
62	Non-contact infrared thermocouple K- type	1	-	
63	Thermocouple K-type	1	1	
64	Desiccator glass	2	2	
65	Desiccator with vacuum	1	1	
66	Vacuum pump	1	-	
67	Collapsible tube filling and sealing equipment	1	-	
68	Brass vessel	Assorted	Assorted	
69	Copper vessel	Assorted	Assorted	
70	Steel vessel	Assorted	Assorted	
71	Earthen vessels-pots	Assorted	Assorted	
72	Porcelain crucible	Assorted	Assorted	
73	Jars (porcelain) fermentation purpose	Assorted	Assorted	
74	Enamel trays	Assorted	Assorted	
75	Tray drier	Assorted	Assorted	
76	Hand grinding mill	Assorted	Assorted	
77	Pressure cooker	Assorted	Assorted	
78	Mearuning equipment's different size (glass)	Assorted	Assorted	
79	Pyrometer	Assorted	Assorted	
80	Thermometer	Assorted	Assorted	
81	Frying pan	Assorted	Assorted	
82	Steel vessel	Assorted	Assorted	
83	Spatula	Assorted	Assorted	
84	Ladles and spoons	Assorted	Assorted	
85	Knife		Assorted	
86	Plates		Assorted	
87	Samdamsa yantra (tongs)		Assorted	
88	Sieves (assorted numbers and size)		Assorted	
89	Kitchen aprons		Assorted	
90	Steel trays		Assorted	
91	Oven gloves		Assorted	
92	Kadahi iron	Assorted	Assorted	
93	Aluminium vessels		Assorted	
94	Clay graphite silver melting crucible maximum temp 1500°C		Assorted	
95	Crucible tongs 18 inches Stainless steel		Assorted	
96	Ointment spatula		Assorted	
97	Lipstick moulds		Assorted	
98	Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers	As required	As required	

  
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