

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	100	150	200		
1.	Computer with internet	1	1	1	1		
2.	Printer	1	1	1	1		
3.	Electronic-Display (Smart board or smart television or light emitting diodes display)	1	1	2	2		
Teaching pharmacy cum museum							
4.	Khalva yantra – small	10	15	20	25		
5.	Khalva yantra – medium	10	15	20	25		
6.	Khalva yantra - porcelain (different sizes)	10	15	20	25		
7.	Taptakhalva yantra	3	5	8	10		
8.	Pounding apparatus (ulukhala yantra)	3	5	8	10		
9.	Pestle and mortar glass	2	2	5	5		
10.	Putas (different kind)	3	3	5	8		
11.	Koshti with blower	2	4	6	8		
12.	Moosha (crucibles)	30	30	50	50		
13.	Dola yantra	1	1	1	1		
14.	Valuka yantra	1	1	1	1		
15.	Pithara yantra	1	1	1	1		
16.	Bhudhara yantra	1	1	1	1		
17.	Distillation apparatus and arka yantra	1	1	1	1		
18.	Kupipakva bhatti	1	1	1	1		
19.	Digital balance	1	1	1	1		
20.	Bottle sealing machine	1	1	1	1		
21.	Sealing machine	1	1	1	1		
22.	Filling machine	1	1	1	1		
23.	Distillation apparatus glass or Ark yantra one litre	2	2	4	4		
24.	Wet grinder	1	1	1	1		
25.	Mixer or grinder	1	1	1	1		
26.	Juice extractor	1	1	1	1		
27.	Ball mill (Stainless steel balls)	1	1	1	1		
28.	Tincture press	1	1	1	1		
29.	Refrigerator	1	1	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	3	3		
32.	Gas stoves	1	1	1	1		
33.	Hot plate	1	1	1	1		
34.	Chulla (charcoal)	1	1	1	1		
35.	Pulveriser	1	1	1	1		
36.	Granulator	1	1	1	1		
37.	Hand operated tablet punching machine	1	1	1	1		
38.	Tablet coating Pan unit with hot air blower laboratory size	1	1	1	1		
39.	Tablet polishing pan laboratory size	1	1	1	1		
40.	Dryer	1	1	1	1		
41.	Homogenizer	1	1	1	1		
42.	Pills making machine	1	1	1	1		
43.	End runner machine	1	1	1	1		
44.	Edge runner machine	1	1	1	1		
45.	Capsule filling machine	1	1	1	1		
46.	Double cone blender	1	1	1	1		

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47.	Liquid filling machine	1	1	1	1						
48.	Planetary mixer for ointment or cream	1	1	1	1						
49.	Soft gelatine capsule filling	1	1	1	1						
50.	Mechanised kharal- two or four arms	1	1	1	1						
51.	Chimney or air handling unit	1	1	1	1						
52.	Mohs hardness test kit	5	8	10	12						
53.	Hot air oven	1	1	1	1						
54.	Walkers steel yard (for specific gravity of minerals)	1	1	1	1						
55.	Automatic flask shaker	1	1	1	1						
56.	Water bath	1	1	1	1						
57.	Digital pH (per Hydrogen ion Concentration) meter	1	1	1	1						
58.	Tablet hardness tester	1	1	1	1						
59.	Muffle furnace 12 inches x 12 inches x 18 inches digital X maximum temp 1250 ⁰ C with window (quartz) thermal image visor	1	1	2	2						
60.	Muffle furnace (ash content tester) x digital display x Maximum temp 900 ⁰ C	1	1	2	2						
61.	Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900 ⁰ C	1	1	2	2						
62.	Non-contact infrared thermocouple K- type	1	1	2	2						
63.	Thermocouple K-type	1	1	2	2						
64.	Desiccator glass	2	2	4	4						
65.	Desiccator with vacuum	1	1	2	2						
66.	Vacuum pump	1	1	2	2						
67.	Collapsible tube – filling and sealing equipment	1	1	1	1						
68.	Brass vessel	Assorted									
69.	Copper vessel										
70.	Steel vessel										
71.	Earthen vessels-pots										
72.	Porcelain crucible										
73.	Jars (porcelain) fermentation purpose										
74.	Enamel trays										
75.	Tray drier										
76.	Hand grinding mill										
77.	Pressure cooker										
78.	Mearuning equipement’s different size (glass)										
79.	Pyrometer										
80.	Thermometer										
81.	Frying pan										
82.	Steel vessel										
83.	Spatula										
84.	Ladles and spoons										
85.	Knife										
86.	Plates										
87.	Samdamsa yantra (tongs)										
88.	Sieves (assorted numbers and size)										
89.	Kitchen aprons										
90.	Steel trays										
91.	Oven gloves										
92.	Kadahi – iron										
93.	Aluminium vessels										
94.	Clay graphite silver melting crucible maximum temp 1500 ⁰ C										
95.	Crucible tongs 18 inches Stainless steel										
96.	Ointment spatula										
97.	Lipstick moulds										
98.	Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers	As required									

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NOT APPLICABLE