

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	01	
2.	Printer	1	1	1	1	01	
3.	Electronic-Display (Smart board or smart television or light emitting diodes display)	1	1	2	2	01	
Teaching pharmacy cum museum							
4.	Khalva yantra - small	10	15	20	25	5	
5.	Khalva yantra - medium	10	15	20	25	5	
6.	Khalva yantra - porcelain (different sizes)	10	15	20	25	10	
7.	Taptakhalva yantra	3	5	8	10	1	
8.	Pounding apparatus (ulukhala yantra)	3	5	8	10	7	
9.	Pestle and mortar glass	2	2	5	5	1	
10.	Putas (different kind)	3	3	5	8	1	
11.	Koshti with blower	2	4	6	8	1	
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	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	3	
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)	1	1	1	1	1	
28.	Tincture press	1	1	1	1	1	
29.	Refrigerator	1	1	1	1	1	
30.	Amirah and racks for storage	As required				3	
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	1	
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	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	0	
42.	Pills making machine	1	1	1	1	1	
43.	End runner machine	1	1	1	1	0	
44.	Edge runner machine	1	1	1	1	0	
45.	Capsule filling machine	1	1	1	1	1	
46.	Double cone blender	1	1	1	1	1	

Principal

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

[Handwritten Signature]

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