

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	61 to 100 intake capacity	Available	Deficiency
Essential					
1	Khalva Yantra-				
a)	Small	Ten	Twenty	20	
b)	Medium	Ten	Twenty	20	
c)	Porcelain	Ten	Twenty	20	
d)	Taptakhalvyantra	Two	Four	4	
2	Pounding Apparatus (Ulukhala Yantra)	Ten	Twenty	20	
3	Putas (Different kind)	Five	Ten	10	
4	Moosha (Crucibles)	Thirty	Fifty	50	
5	Koshti with Blower	Two	Four	4	
6	Yantras				
a)	Dola Yantra	One	One	1	
b)	Valuka Yantra	One	One	1	
c)	Pithara Yantra	One	One	1	
d)	Bhudhara Yantra etc.	One	One	1	
7	Distillation Apparatus and Arka Yantra	Three	Six	6	
8	Kupipakva Bhatti	One	One	1	
General					
9	Wet Grinder	One	One	1	
10	Mixi	One	One	1	
11	Juice Extractor	One	One	1	
12	Refrigerator	One	One	1	
13	Almiras and Racks for storage	Assorted		Available	
14	Balance (Different Capacities)				
a)	Physical	One	One	1	
b)	Chemical	One	One	1	
c)	Electronic Balance	One	One	1	
15	Heating Device-				
a)	Gas Stove	Assorted	Assorted	Available	
b)	Hot plate	Assorted	Assorted	Available	
c)	Chulla (Charcoal)	Assorted	Assorted	Available	
16	Big Vessels and Containers-				
a)	Brass	Assorted	Assorted	Available	
b)	Copper	Assorted	Assorted	Available	
c)	Steel etc.	Assorted	Assorted	Available	
d)	Earthen Vessels-Pots	Assorted	Assorted	Available	
Miscellaneous					
17	Jars(Porcelain) Fermentation Purpose	Assorted	Assorted	Available	
18	Enamel Trays	Assorted	Assorted	Available	
19	Spirit Lamp	Assorted	Assorted	Available	
20	Pressure Cooker	Assorted	Assorted	Available	
21	Measuring Equipments Different Size (Glass)	Assorted	Assorted	Available	
22	Pyrometer	Assorted	Assorted	Available	
23	Thermo meter	Assorted	Assorted	Available	

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24	Vessels			Available	
a)	Frying Pan	Assorted	Assorted	Available	
b)	Steel Vessel	Assorted	Assorted	Available	
c)	Spatula	Assorted	Assorted	Available	
d)	Ladles and Spoons	Assorted	Assorted	Available	
e)	Knife	Assorted	Assorted	Available	
f)	Plates	Assorted	Assorted	Available	
g)	Samdamsa Yantra(Tongs)	Assorted	Assorted	Available	
25	Sieves (Assorted Nos. and Size)	Assorted	Assorted	Available	


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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	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 kharaal- 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						
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.	Mearning equipement's different size (glass)						
79.	Pyrometer						
80.	Thermometer					Assorted	
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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