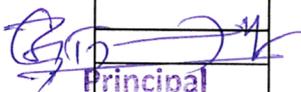


SCHEDULE X

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 – 60 seats	Deficiency	
		60	100	150	200			
1.	Computer with internet	1	1	1	1	NOT APPLICABLE		
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 (Manual / Automic)	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)(As Desirable						
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 (Lab Model)	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			


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40.	Dryer	1	1	1	1
41.	Homogenizer	1	1	1	1
42.	Pills making machine	As Desirable			
43.	End runner machine	As Desirable			
44.	Edge runner machine	As Desirable			
45.	Capsule filling machine	As Desirable			
46.	Double cone blender	As Desirable			
47.	Liquid filling machine	As Desirable			
48.	Planetary mixer (Lab Model)for ointment or cream	1	1	1	1
49.	Mechanised kharaal- two or four arms	As Desirable			
50.	Chimney or air handling unit	As Desirable			
51.	Mohs hardness test kit	5	8	10	12
52.	Hot air oven	1	1	1	1
53.	Walkers steel yard (for specific gravity of minerals)	As Desirable			
54.	Automatic flask shaker	1	1	1	1
55.	Water bath	1	1	1	1
56.	Digital pH (per Hydrogen ion Concentration) meter	1	1	1	1
57.	Tablet hardness tester	1	1	1	1
58.	Muffle furnace (Horizontal) 12 inches x 12 inches x 18 inches digital x maximum temp 1250°C.	1	1	2	2
59.	Muffle furnace (Horizontal) (ash content tester) x digital display x maximum temp 900°C	1	1	2	2
60.	Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900°C	1	1	2	2
61.	Non-contact infrared thermocouple K- type	1	1	2	2
62.	Thermocouple K-type	1	1	2	2
63.	Desiccator glass	As Desirable			
64.	Desiccator with vacuum	As Desirable			
65.	Vacuum pump	As Desirable			
66.	Collapsible tube _filling and sealing equipment	As Desirable			
67.	Brass vessel	Assorted			
68.	Copper vessel				
69.	Steel vessel				
70.	Earthen vessels-pots				
71.	Porcelain crucible				
72.	Jars (porcelain) fermentation purpose				
73.	Enamel trays				
74.	Tray drier				
75.	Hand grinding mill				
76.	Pressure cooker				
77.	Mearuning equipement's different size (glass)				
78.	Pyrometer				
79.	Thermometer				
80.	Frying pan				
81.	Steel vessel				
82.	Spatula				
83.	Ladles and spoons				
84.	Knife				
85.	Plates				

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86.	Samdamsa yantra (tongs)		
87.	Sieves (assorted numbers and size)		
88.	Kitchen aprons		
89.	Steel trays		
90.	Oven gloves		
91.	Kadahi _ iron		
92.	Aluminium vessels		
93.	Clay graphite silver melting crucible maximum temp 1500°C		
94.	Crucible tongs 18 inches Stainless steel		
95.	Ointment spatula		
96.	Lipstick moulds		
97.	Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers	As required	

**NOT
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