

S.N.	Standard or item required	Minimum requirement as per intake capacity			
1.	Computer with internet	1			
2.	Printer	1			
3.	Electronic-Display (Smart board or smart television or lightemitting diodes display)	1			
Teaching pharmacy cum museum					
4.	* Khalva yantra – small	10			
5.	Khalva yantra – medium	10			
6.	Khalva yantra - porcelain (different sizes)	10			
7.	Taptakhalva yantra	3			
8.	* Pounding apparatus (ulukhala yantra)	3			
9.	Pestle and mortar glass	2			
10.	Putas (different kind)	3			
11.	Koshti with blower	2			
12.	* Moosha (crucibles)	30			
13.	Dola yantra	1			
14.	Valuka yantra	1			
15.	Pithara yantra	1			
16.	* Bhudhara yantra	1			
17.	Distillation apparatus and arka yantra	1			
18.	Kupipakva bhatti	1			
19.	Digital balance	1			
20.	* Bottle sealing machine	1			
21.	Sealing machine	1			
22.	Filling machine	1			
23.	Distillation apparatus glass or Ark yantra one litre	2			
24.	* Wet grinder	1			
25.	Mixer or grinder	1			
26.	Juice extractor	1			
27.	Ball mill (Stainless steel balls)	1			

28.	Tincture press	1			
29.	Refrigerator	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			
32.	Gas stoves	1			
33.	Hot plate	1			
34.	Chulla (charcoal)	1			
35.	Pulveriser	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			
41.	Homogenizer	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			
54.	Walkers steel yard (for specific gravity of minerals)	1			
55.	Automatic flask shaker	1			
56.	Water bath	1			
57.	Digital pH (per Hydrogen ion Concentration) meter	1			

58.	Tablet hardness tester	1			
59.	Muffle furnace 12 inches x 12 inches x 18 inches digital X maximum temp 1250°C with window (quartz) thermal imagevisor	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			
64.	Desiccator glass	2			
65.	Desiccator with vacuum	1			
66.	Vacuum pump	1			
67.	Collapsible tube – filling and sealing equipment	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.	Measuring equipment's different size (glass)				
79.	Pyrometer				
80.	Thermometer				
81.	Frying pan				
82.	Steel vessel				
83.	Spatula				
84.	Ladles and spoons				
85.	Knife				

86.	Plates	Assorted			
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°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			

Minimum Essential Requirements for Quality Testing Laboratory

S.N.	Standard or item required	Minimum requirement as per intake capacity			
1.	Computer, internet, printer	1			
2.	Smart board or Liquid Crystal Display projector	1			
3.	Ultra-violet visible spectro photometer	1			
4.	Flame photometer	1			
5.	Digital pH (per Hydrogen ion Concentration) meter	1			
6.	Precision melting point apparatus	1			
7.	Distillation unit for distilled water	1			
8.	Moisture analyser balance	1			
9.	Orbital shaker	1			
10.	Laminar airflow	1			
11.	Mechanical stirrer with hot plate	1			
12.	Magnetic stirrer	1			

13.	Dissolution test apparatus	1			
14.	Tablet disintegration test apparatus	1			
15.	Monsanto's hardness tester	1			
16.	Pfizer type hardness tester	1			
17.	Tablet counter – small size	1			
18.	Bulk density apparatus	1			
19.	Friability test apparatus	1			
20.	Ostwald's viscometer	1			
21.	Refractometer	1			
22.	Analytical balance digital high precision (0.0001g – 220g)	1			
23.	Incubator	1			
24.	Clarity test apparatus	1			
25.	Humidity control oven	1			
26.	Karl Fischer apparatus	1			
27.	Sieve shaker	1			
28.	Graduating sieve set	1			
29.	Thermometer up to 110°C	2			
30.	Centrifuge	1			
31.	Filtration equipment	2			
32.	Water bath twelve holes	1			
33.	Suction pump	1			
34.	Sonicator	1			
35.	Heating mantle different capacity	2			
36.	Total Leucocyte Count chamber and sprayer	2			
37.	Clevenger's apparatus	1			
38.	Arsenic limit test apparatus	1			
39.	Adjustable volume micro pipette	2			
40.	Rotary evaporator apparatus	1			
41.	Soxhlet apparatus	2			
42.	Reflux flask with condenser single neck	1			
43.	Petri dish glass	As required			
44.	Petri dish polypropylene				
45.	Watch glass				

46.	Glass ware				
47.	Glass beaker- different capacity	As required			
48.	Measuring flask different capacity				
49.	Volumetric flask different capacity				
50.	Graduated measuring cylinder				
51.	Buchner funnels small, medium, large				
52.	Burette				
53.	Nessler's cylinders				

Rasashastra and Bhaishajyakalpana including teaching pharmacy

1.	Instructor (Bachelor of Ayurvedic Medicine and Surgery)	1
2.	Clerk (graduate with computer knowledge)	1
3.	Lab Attendant cum Museum Keeper (Minimum 10 th standard pass)	1
4.	Multi-tasking staff	1

Quality Control Laboratory

5.	Analytical Chemist (Bachelor of Pharmacy or Bachelor of Pharmacy in Ayurveda)	1
6.	Clerk (graduate with computer knowledge)	1
7.	Pharmacognosist	1
8.	Lab Attendant (Minimum 10 th standard pass)	1
9.	Multi-tasking staff	1