

PHARMACY COUNCIL OF INDIA

Standard Inspection Format (S.I.F-BP) for obtaining prior permission of
Pharmacy Council of India for conducting the Bachelor of Pharmacy (Practice) course
(To be filled and submitted to PCI by an organization seeking approval of the
Course / continuation of the approval)

(SIF-BP)

*To be filled up by P.C.I.**To be filled up by inspectors*

Inspection No. :

Date of Inspection:

FILE No. :

NAME OF THE INSPECTORS: 1.

(BLOCK LETTERS)

2.

1. Name of the Course Conducting Authority	LAUREATE INSTITUTE OF PHARMACY
2. Complete Postal address of the Course Conducting Authority:	V.P.O. KATHOG, TEH. DEHRA, DISTT. KANGRA (H.P.) 01970-223000,92184-28040,94180-28040 223000 liph@redifmail.com contactlaureate@gmail.com
3. Year of Establishment of the Institution	2007
4. Approval status of the Institution for conducting Bachelor of Pharmacy (B.Pharm.) Course (Copy of the latest approval to be enclosed)	Approved up to 2018-19
5. No objection / consent of affiliation from Examining Authority (i.e, University) for starting the course: (Copy of the letter to be enclosed)	Attached as Annexure-I
6. Deficiencies as pointed out in the latest Inspection Report: (Use separate sheet)	Attached as Annexure-II
7. Proposed date of commencement of the course:	July 2017
8. Proposed intake capacity : 40	40
9. Proposed Time schedule for conducting the course	Attached as Annexure-III

Signature of the Head of the Institution

Signature of the Inspectors

10. Details of teaching staff in the specified subject in the following format:

Name of the Department	Sl. No.	Name of the Teachers	Working experience in the Institution	Qualification	Experience	Teaching Load Existing	Any Experience in Hospital/Community/Clinical Research/Practice	Remarks of Inspectors
Pharmaceutics	1.	Dr. Vinay Pandit	4	M. Pharm (Pharmaceutics)	12	18	Chairman, Himachal Pradesh State Pharmacy Council's Drug Information Centre	
	2.	Mr. Dev Raj	3	M. Pharm (Pharmaceutics)	3	20	01 year teaching of hospital Pharmacy	
Pharmacology	1.	Mr. Shiv Kumar Kushwaha	7	M. Pharm (Pharmacology)	8	18	01 year teaching of Clinical Pharmacy	
	2.	Mr. Neelam Raj	3	M. Pharm (Pharmacology)	5	18	01 year teaching of Clinical Pharmacy	
Pharmacy Practice	1.	Mr Shammy Jindal	7	M. Pharm (Pharmaceutics)	8	20	04 year teaching of Hospital & Community Pharmacy	
	2.	Mr Pushpraj	1	M. Pharm (Pharmacy Practice)	2	18	Post Graduate in Pharmacy Practice	
	3.	Mr Ankush	3	M. Pharm (Pharmaceutics)	3	15	Handling Drug Information centre of H.P State	

**11. Declaration of the teachers for teaching the additional Course: Attached as Annexure-
(Declarations from teachers to be enclosed)**

12. Whether visiting/part-time teachers is appointed: (If yes, furnish the details in the following proforma)

S.No	Name of the Teacher	Qualification	Practice Experience	Present attachment	Remarks of Inspectors
1.	Dr. Kulbhushan Sood	MBBS, MD	25 years	Own Clinic	

13. Enclose the acceptance from the visiting teachers as identified: Attached as Annexure-

14. Whether the Institution/Trust is running a Model Community Pharmacy: Yes----- Annexure

15. If not, is there any planning to start the same in near future?

Signature of the Head of the Institution

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**Minimum requirement for obtaining the approval of Pharmacy Council of India for
Conducting the Bachelor of Pharmacy (Practice) Course**

PART I - PRINCIPAL

Qualification/ Experience	Qualification		Teaching Experience Required	Actual experience	Remarks of the Inspectors
	M. Pharm	Yes	15 years, out of which 5 years as Prof. / HOD	15 Years	
	PhD	Yes	10 years, out of which at least 05 years as Asst. Prof		

PART II - PHYSICAL INFRASTRUCTURE

1. a. Availability of Land (Details) : **2.5 Acres Available**

b. Building : **Own**

c. Total Built Area of the college building in Sq.mts : Built up Area

6618

Amenities and Circulation Area

2835

2. Class rooms:

Total Number of Class rooms provided for D.Pharm and B.Pharm/Bachelor of Pharmacy (practice)

Course:

Class	Required Nos	Available Nos	Required Area * for each class room	Available Area in Sq.mts	Remarks of the Inspectors
D.Pharm	02	--	----		
B. Pharm	06	07	6 of 90 Sq. mts each Or 4 of 150 Sq. mts with Public address system	7*90=630	
Bachelor of Pharmacy (Practice)	01	01	40 Sq. mts each	01*60=60	

(*To accommodate 100 students)

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3. Laboratory requirement for both B. Pharm and Bachelor of Pharmacy (Practice) course.

Sl. No.	Infrastructure for	Requirement as per Norms	Available No. & Area in Sq mts	Remarks/ Deficiency
1	Laboratory Area for B.Pharm Course (12 Labs)	90 Sq .mts x n (n=10) - Including Preparation room - Desirable 75 Sq. mts - Essential	Available No.14 & 1125 Sq.mts	
2	Pharmaceutics Pharmaceutical Chemistry Pharmaceutical Analysis Pharmacology Pharmacognosy Pharmaceutical Biotechnology (Including Aseptic Room) Total no. Laboratories for B.Pharm course	03 Laboratories 02 Laboratories 01 Laboratory 02 Laboratories 01 Laboratories 01 Laboratory 10 Laboratories *	$2*75+1*85+1*90=325$ $1*90+2*80+1*85=335$ $1*80=80$ $2*75=150$ $1*75+1*85=160$ $1*75=75$ Total area:1125 Sq.Mts	
3	Preparation Room for each lab (One room can be shared by two labs, if it is in between two labs)	10 sq mts (minimum)	$10 \times 10=100$ $3 \times 15=45$ $5 \times 12=60$	
4	Area of the Machine Room	80-100 Sq.mts	110	
5	Central Instrumentation Room – I	80 Sq.mts with A/ C	55	
6	Central Instrumentation Room – II		38	
7	Store Room – I	1 (Area 100 Sq mts)	70	
8	Store Room – III		30 Sq mts	
9	Store Room – II (For Inflammable chemicals)	1 (Area 20 Sq mts)	21	

- All the Laboratories should be well lit & ventilated.
- All Laboratories should be provided with basic amenities and services like exhaust fans and fuming chamber to reduce the pollution wherever necessary.
- The workbenches should be smooth and easily cleanable preferably made of non-absorbent material.
- The water taps should be non-leaking and directly installed on sinks. Drainage should be efficient.
- Balance room should be attached to the concerned laboratories.

4. Administration Area:

Sl.No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms, in area	Available		Remarks/ Deficiency
				No.	Area in Sq .mts	
1	Principal's Chamber	01	30 Sq .mts	1	40	
2	Office – I - Establishment	01	60 Sq. mts	3	70	
3	Office – II - Academics					
4	Confidential Room					

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5. Staff Facilities:

Sl. No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms, in area	Available		Remarks/ Deficiency
				No.	Area in Sq .mts	
1	HODs for B.Pharm Course	Minimum 4	20 Sq mts x 4	4	15	
2	Faculty Rooms for B.Pharm course		10 Sq mts x n (n=No of teachers)	22	220	
3.	Faculty Rooms for Bachelor of Pharmacy (Practice) course		10 Sq mts x n (n=No of teachers)	4	40	

6. Museum, Library, Animal House and other Facilities

Sl.No.	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms, in area	Available		Remarks/ Deficiency
				No.	Area in Sq. mts	
1	Animal experimentation & teaching module	01		1	120	
2	Library	01	150 Sq mts	1	160	
3	Museum	01	50 Sq mts (May be attached to the Pharmacognosy lab)	1	50	
4	Model Pharmacy Essential: Running Model Community Pharmacy Desirable Drug Model Store	01	80 Sq.mts (including 10 Sq.mt for Drug Information Centre & 10 Sq.mt. for Patient Counselling)	01	80	
5	Auditorium / Multi Purpose Hall (Desirable)	01	250 – 300 seating capacity	Nil	Nil	
6	Herbal Garden (Desirable)	01	Adequate Number of Medicinal Plants	1	200	

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7. Student Facilities:

Sl. No	Name of infrastructure	Requirement as per Norms in number	Requirement as per Norms, in area	Available		Remarks/ Deficiency
				No.	Area in Sq.mts	
1	Girl's Common Room (Essential)	01	60 Sq. mts	02	40+38	
2	Boy's Common Room (Essential)	01	60 Sq.mts	02	40+42	
3	Toilet Blocks for Boys	01	24 Sq.mts	03	10 Sq. mts each	
4	Toilet Blocks for Girls	01	24 Sq.mts	03	10 Sq. mts each	
5	Drinking Water facility – Water Cooler (Essential).	01		03	Yes	
6	Boy's Hostel (Desirable)	01	9 Sq .mts / Room Single occupancy	10 Rooms	45 Sqt mts room Triple Occupancy	
7	Girl's Hostel (Desirable)	01	9 Sq .mts / Room (single occupancy) 20 Sq mts / Room (triple occupancy)	18 Rooms	30 Sq.mts. room Triple occupancy	
8	Power Backup Provision (Desirable)	01		01	Available	

8. Computer and other Facilities:

Name	Required	Remarks of the Inspectors
Computer Room for B.Pharm Course	01 for every 2 students (with internet & Printer facilities) (Area 75 Sq mts)	
Computer For Model Pharmacy	As required for teaching and practice purposes and for drug information services	
Computer (Latest Configuration)	1 system for every 10 students (UG & PG)	
Printers	1 printer for every 10 computers	
Multi Media Projector	01	
Generator (5KVA)	01	

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9. Library books and periodicals

The minimum norms for the initial stock of books, yearly addition of the books and the number of journals to be subscribed are as given below:

Item	Titles (No)	Minimum Volumes (No)	Available		Remarks of the Inspectors
			Title	Numbers	
Number of books	493	1500 adequate coverage of a large number of standard text books and titles in all disciplines of pharmacy	493	5518	
Annual addition of books		150 books per year	17	227	
Periodicals Hard copies / online		10 National 05 International periodicals	National International	10/14 85 (online)	
CDS		Adequate Nos	21	38	
Internet Browsing Facility		Yes/No (Minimum ten computers)	Yes	10	
Reprographic Facilities: Photo Copier Fax Scanner		01 01 01	Available Available Available Available	01 01 01 01	

10. A. Subject wise Classification:

S.No	Subject			Remarks of the Inspectors
		Titles	Numbers	
1.	Pharmaceutics	134	1952	
2.	Pharmaceutical Chemistry	114	1540	
3.	Pharmacognosy	35	482	
4.	Biochemistry and Clinical Pathology	29	300	
5.	Human Anatomy and Physiology	33	141	
6.	Health Education and Community Pharmacy	16	168	
7.	Pharmacy Practice	05	59	
8.	Pharmacology and Toxicology	45	606	
9.	Pharmaceutical Jurisprudence	10	120	
10.	Drug Store and Business Management	05	30	
11.	Hospital and Clinical Pharmacy	07	40	
12.	Social Pharmacy	60	80	

10. B. Library Staff:

	Staff	Qualification	Required	Available	Remarks of the Inspectors
1	Librarian	M. Lib	1	01	
2	Assistant Librarian	D. Lib	1	01	
3	Library Attenders	10 +2 / PUC	2	02	

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PART III ACADEMIC REQUIREMENTS

A. Faculty requirements:

1. Student Staff Ratio:

(Required ratio --- Theory → 40:1 and Assignment → 10:1)

2. Minimum No. of working days for B. PHARM PRACTICE:

180 days

3. Staff Pattern for B. Pharm & B.Pharm (Practice) courses department wise:

Professor : Asst. Professor : Lecturer

Department / Division	Name of the post	For strength of 60 students of B.Pharm & 40 students of B.Pharm (Practice)	Provided by the institution	Remarks of inspection team
Department of Pharmaceutics	Professor/ Asso.	1	3	
	Asst. Professor	1	7	
	Lecturer	4	-	
Department of Pharmaceutical Chemistry (Including Pharmaceutical Analysis)	Professor/ Asso.	1	3	
	Asst. Professor	1	7	
	Lecturer	4	---	
Department of Pharmacology	Professor/ Asso.	1	03	
	Asst. Professor	1	02	
	Lecturer	5	---	
Department of Pharmacognosy	Professor/ Asso.	1	1	
	Asst. Professor	1	2	
	Lecturer	2	---	
Department of Pharmacy Practice	Asso. Professor	1	1	
	Asst. Professor	2	3	
	Lecturer	2	---	

4. Teaching Staff required year wise exclusively for B. Pharm (Practice) for intake of 40 Students.

	Staff required for I B. Pharm Practice	Staff required for II B. Pharm Practice	Available		Remarks of inspection team
			Ist Year	IIInd Year	
Principal	1	1	1		
Pharmacology	1	1	1		
Pharmaceutics	1	1	1		
Pharmacy Practice	2	2	2		
Part time teaching Staff For pathophysiology and pharmacotherapeutics	As required	As required	2		

At least 2 teachers shall possess M.Pharm (Pharmacy Practice) or Pharm D. Qualification.

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5. Number of Non-teaching staff available for B. Pharm course for intake of 100 Students:

Sl. No.	Designation	Required (Minimum)	Required Qualification	Available		Remarks of the Inspector
				Number	Qualification	
1	Laboratory Technician	1 for each Dept	D. Pharm	5	D. Pharm	
2	Laboratory Assistants / Attenders	1 for each Lab (minimum)	SSLC	15	SSLC	
3	Office Superintendent	1	Degree	1	M.Sc(IT)	
4	Accountant	1	Degree	1	MBA	
5	Store keeper	1	D. Pharm/ Degree	1	D.Pharm.	
6	Computer Data Operator	1	BCA / Graduate with Computer Course	1	B.A (Diploma in Computer course)	
7	First Division Assistant	1	Degree	1	B.Tech.	
8	Second Division Assistant	2	Degree	2	B. tech	
9	Peon	2	SSLC	2	SSLC	
10	Cleaning personnel	Adequate	---	2	SSLC	
11	Gardener	Adequate	---	1	SSLC	

B. DOCUMENTATION : Records to be maintained: Essential

Sl. No	Records	Yes	No	Remarks of the Inspectors
1	Admissions Registers	Yes		
2.	Individual Service Register	Yes		
3.	Staff Attendance Registers	Yes		
4.	Sessional Marks Register	Yes		
5.	Final Marks Register	Yes		
6.	Student Attendance Registers	Yes		
7.	Minutes of meetings- Teaching Staff	Yes		
8.	Fee paid Registers	Yes		
9.	Acquaintance Registers	Yes		
10.	Accession Register for books and Journals in Library	Yes		
11.	Log book for chemicals and Equipment costing more than Rupees one lakh	Yes		
12.	Job Cards for laboratories	Yes		

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13.	Standard Operating Procedures (SOP's) for Equipment	Yes		
14.	Laboratory Manuals	Yes		
15.	Stock Register for Equipment	Yes		
16.	Animal House Records as per CPCSEA	Yes		
17.	Record of submission of Assignments by students	Yes		
18.	Record of Case presentation/Seminars conducted	Yes		

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IV – EQUIPMENT AND APPARATUS

Department wise list of minimum equipments required for B. Pharm (for a batch of 20 students)

DEPARTMENT OF PHARMACOLOGY

Equipment:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Microscopes	15	20	Yes	
2	Haemocytometer with Micropipettes	20	20	Yes	
3	Sahli's haemocytometer	20	20	Yes	
4	Hutchinson's spirometer	02	02	Yes	
5	Spygmomanometer	05	07	Yes	
6	Stethoscope	05	07	Yes	
7	Permanent Slides for various tissues	One pair of each tissue Organs and endocrine glands One slide of each organ system	One pair of each tissue Organs and endocrine glands One slide of each organ system	Yes	
8	Models for various organs	One model of each organ system	One model of each organ system	Yes	
9	Specimen for various organs and systems	One model for each organ system	One model for each organ system	Yes	
10	Skeleton and bones	One set of skeleton and one spare bone	One set of skeleton and one spare bone	Yes	
11	Different Contraceptive Devices and Models	One set of each device	One set of each device	Yes	
12	Muscle electrodes	01	02	Yes	
13	Lucas moist chamber	01	02	Yes	
14	Myographic lever	01	01	Yes	
15	Stimulator	01	01	Yes	
16	Centrifuge	01	01	Yes	
17	Digital Balance	01	01	Yes	
18	Physical /Chemical Balance	01	01	Yes	
19	Sherrington's Kymograph Machine / Polyrite	10	10	Yes	
20	Sherrington Drum	10	10	Yes	
21	Perspex bath assembly (single unit)	10	10	Yes	
22	Aerators	10	10	Yes	
23	Computer with LCD	01	01	Yes	
24	Software packages for experiment	01	01	Yes	
25	Standard graphs of various drugs	Adequate number	Adequate number	Yes	
26	Actophotometer	01	01	Yes	
27	Rotarod	01	02	Yes	
28	Pole climbing apparatus	01	01	Yes	
29	Analgesiometer (Eddy's hot plate and radiant heat methods)	01	01	Yes	
30	Convulsiometer	01	01	Yes	
31	Plethysmograph	01	02	Yes	
32	Digital pH meter	01	NA		

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Apparatus:

Sl. No.	Name	Minimum required No.s	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Folin-Wu tubes	60	60	Yes	
2	Dissection Tray and Boards	10	10	Yes	
3	Haemostatic artery forceps	10	10	Yes	
4	Hypodermic syringes and needles of size 15,24,26G	10	10	Yes	
5	Levers, cannulae	20	20	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

DEPARTMENT OF PHARMACOGNOSY**Equipment:**

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Microscope with stage micrometer	15	16	Yes	
2	Digital Balance	02	02	Yes	
3	Autoclave	02	02	Yes	
4	Hot air oven	02	02	Yes	
5	B.O.D. incubator	01	01	Yes	
6	Refrigerator	01	01	Yes	
7	Laminar air flow	01	01	Yes	
8	Colony counter	02	02	Yes	
9	Zone reader	01	01	Yes	
10	Digital pH meter	01	01	Yes	
11	Sterility testing unit	01	01	Yes	
12	Camera Lucida	15	15	Yes	
13	Eye piece micrometer	15	24	Yes	
14	Incinerator	01	01	Yes	
15	Moisture balance	01	01	Yes	
16	Heating mantle	15	04	Yes	
17	Flourimeter	01	01	Yes	
18	Vacuum pump	02	01	Yes	
19	Micropipettes (Single and multi channeled)	02	02	Yes	
20	Micro Centrifuge	01	01	Yes	
21	Projection Microscope	01	01	Yes	

Apparatus:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Reflux flask with condenser	20	20	Yes	
2	Water bath	20	10	Yes	
3	Clavengers apparatus	10	10	Yes	
4	Soxhlet apparatus	10	10	Yes	
6	TLC chamber and sprayer	10	06	Yes	
7	Distillation unit	01	01	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

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DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Equipment:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Hot plates	05	05	Yes	
2	Oven	03	05	Yes	
3	Refrigerator	01	01	Yes	
4	Analytical Balances for demonstration	05	08	Yes	
5	Digital balance 10mg sensitivity	10	10	Yes	
6	Digital Balance (1mg sensitivity)	01	01	Yes	
7	Suction pumps	06	06	Yes	
8	Muffle Furnace	01	01	Yes	
9	Mechanical Stirrers	10	10	Yes	
10	Magnetic Stirrers with Thermostat	10	10	Yes	
11	Vacuum Pump	01	02	Yes	
12	Digital pH meter	01	02	Yes	
13	Microwave Oven	02	02	Yes	

Apparatus:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Distillation Unit	02	02	Yes	
2	Reflux flask and condenser single necked	20	20	Yes	
3	Reflux flask and condenser double / triple necked	20	22	Yes	
4	Burettes	40	102	Yes	
5	Arsenic Limit Test Apparatus	20	20	Yes	
6	Nessler's Cylinders	40	85	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

DEPARTMENT OF PHARMACEUTICS

Equipment:

Sl. No.	Name	Minimum Required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Mechanical stirrers	10	12	YES	
2	Homogenizer	05	05	YES	
3	Digital balance	05	05	YES	
4	Microscopes	05	20	YES	
5	Stage and eye piece micrometers	05	14	YES	
6	Brookfield's viscometer	01	01	YES	
7	Tray dryer	01	01	YES	
8	Ball mill	01	02	YES	
9	Sieve shaker with sieve set	01	02	YES	
10	Double cone blender	01	01	YES	
11	Propeller type mechanical agitator	05	05	YES	
12	Autoclave	01	01	YES	
13	Steam distillation still	01	01	YES	
14	Vacuum Pump	01	03	YES	
15	Standard sieves, sieve no. 8, 10, 12, 22, 24, 44, 66, 80	10 sets	10	YES	

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16	Tablet punching machine	01	02	YES	
17	Capsule filling machine	01	01	YES	
18	Ampoule washing machine	01	01	YES	
19	Ampoule filling and sealing machine	01	01	YES	
20	Tablet disintegration test apparatus IP	01	02	YES	
21	Tablet dissolution test apparatus IP	01	03	YES	
22	Monsanto's hardness tester	01	03	YES	
23	Pfizer type hardness tester	01	03	YES	
24	Friability test apparatus	01	02	YES	
25	Clarity test apparatus	01	01	YES	
26	Ointment filling machine	01	01	YES	
27	Collapsible tube crimping machine	01	01	YES	
28	Tablet coating pan	01	01	YES	
29	Magnetic stirrer, 500ml and 1 liter capacity with speed control	05 EACH	06	YES	
30	Digital pH meter	01	02	YES	
31	All purpose equipment with all accessories	01	01	YES	
32	Aseptic Cabinet	01	01	YES	
33	BOD Incubator	02	02	YES	
34	Bottle washing Machine	01	01	YES	
35	Bottle Sealing Machine	01	01	YES	
36	Bulk Density Apparatus	02	02	YES	
37	Conical Percolator (glass/ copper/ stainless steel)	10	10	YES	
38	Capsule Counter	02	02	YES	
39	Energy meter	02	02	YES	
40	Hot Plate	02	02	YES	
41	Humidity Control Oven	01	01	YES	
42	Liquid Filling Machine	01	01	YES	
43	Mechanical stirrer with speed regulator	02	04	YES	
44	Precision Melting point Apparatus	01	01	YES	
45	Distillation Unit	01	02	YES	

Apparatus:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Ostwald's viscometer	15	15	Yes	
2	Stalagmometer	15	15	Yes	
3	Desiccator	05	05	Yes	
4	Suppository moulds	20	30	Yes	
5	Buchner Funnels (Small, medium, large)	05 each	10 of same size	Yes	
6	Filtration assembly	01	02	Yes	
7	Permeability Cups	05	05	Yes	
8	Andreason's Pipette	03	03	Yes	
9	Lipstick moulds	10	25	Yes	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

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PHARMACEUTICAL BIOTECHNOLOGY

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Orbital shaker incubator	01	01	YES	
2	Lyophilizer (Desirable)	01	0		
3	Gel Electrophoresis (Vertical and Horizontal)	01	01	YES	
4	Phase contrast/Trinocular Microscope	01	01	YES	
5	Refrigerated Centrifuge	01	01	YES	
6	Fermenters of different capacity (Desirable)	01	0		
7	Tissue culture station	01	01	YES	
8	Laminar airflow unit	01	01	YES	
9	Diagnostic kits to identify infectious agents	01	01	YES	
10	Rheometer	01	01	YES	
11	Viscometer	01	01	YES	
12	Micropipettes (single and multi channeled)	01 each	01 each	YES	
13	Sonicator	01	01	YES	
14	Respinometer	01	01	YES	
15	BOD Incubator	01	01	YES	
16	Paper Electrophoresis Unit	01	01	YES	
17	Micro Centrifuge	01	01	YES	
18	Incubator water bath	01	01	YES	
19	Autoclave	01	01	YES	
20	Refrigerator	01	01	YES	
21	Filtration Assembly	01	02	YES	
22	Digital pH meter	01	02	YES	

NOTE: Adequate number of glassware commonly used in the laboratory should be provided in each laboratory and department.

CENTRAL INSTRUMENTATION ROOM:

Sl. No.	Name	Minimum required Nos.	Available Nos.	Working Yes / No	Remarks of the Inspectors
1	Colorimeter	01	01	Yes	
2	Digital pH meter	01	01	Yes	
3	UV- Visible Spectrophotometer	1	01	Yes	
4	Flourimeter	01	01	Yes	
5	Digital Balance (1mg sensitivity)	01	01- 10mg. sensitivity	Yes	
6	Nephelo Turbidity meter	01	02	Yes	
7	Flame Photometer	01	01	Yes	
8	Potentiometer	01	01	Yes	
9	Conductivity meter	01	01	Yes	
10	Fourier Transform Infra Red Spectrometer (Desirable)	01	01	Yes	
11	HPLC	01	01	Yes	
12	HPTLC (Desirable)	01	0	NO	
13	Atomic Absorption and Emission spectrophotometer (Desirable)	01	0	NO	
14	Biochemistry Analyzer (Desirable)	01	0	NO	
15	Carbon, Hydrogen, Nitrogen Analyzer (Desirable)	01	0	NO	
16	Deep Freezer (Desirable)	01	01	Yes	
17	Ion- Exchanger	01	01	Yes	
18	Lyophilizer (Desirable)	01	0	NO	

Signature of the Head of the Institution

Signature of the Inspectors

Compliance of the last recommendations by Inspectors:	
Specific observations if not complied	
Signature of Inspectors:	1.
	2.

Note:

- 1. The Inspection Team is instructed to physically verify the details and records filled up by the college in the application form submitted by the college, which is with you now and record the observations, opinions and recommendations in clear and explicit terms.**
- 2. The team is requested to record their comments only after physical verification of records and details.**

Signature of the Head of the Institution

Signature of the Inspectors