

CHEMISTRY LAB GLASSWARES (Package – I)

Sr. No.	Name of the Items	Specifications	Quantity
1	Asbestos Pad	Standard Size with framing.	60
2	Beaker – 100 ml.	<p>Griffin, Low Form , with spout Complies with IS 2619 / ISO 3819 and DIN 12331</p> <ul style="list-style-type: none"> • The spout design enables clean and precise pouring • Uniform wall thickness distribution makes it ideal for heating liquids • The easy-to-read scale and large labeling field make marking easier • High resistance to chemical attack • Double graduation metric scale for convenience 	20
3	Beaker – 1000 ml.	<p>Griffin, Low Form , with spout</p> <ul style="list-style-type: none"> • The spout design enables clean and precise pouring • Uniform wall thickness distribution makes it ideal for heating liquids • The easy-to-read scale and large labeling field make marking easier • High resistance to chemical attack • Double graduation metric scale for convenience 	20
4	Beaker – 250 ml.	<p>Griffin, Low Form , with spout Complies with IS 2619 / ISO 3819 and DIN 12331</p> <ul style="list-style-type: none"> • The spout design enables clean and precise pouring • Uniform wall thickness distribution makes it ideal for heating liquids • The easy-to-read scale and large labeling field make marking easier • High resistance to chemical attack • Double graduation metric scale for convenience 	20
5	Beaker – 50 ml.	<p>Griffin, Low Form , with spout Complies with IS 2619 / ISO 3819 and DIN 12331</p> <ul style="list-style-type: none"> • The spout design enables clean and precise pouring • Uniform wall thickness distribution makes it ideal for heating liquids • The easy-to-read scale and large labelling field make marking easier • High resistance to chemical attack • Double graduation metric scale for convenience 	20
6	Beaker – 500 ml.	<p>Griffin, Low Form , with spout</p> <ul style="list-style-type: none"> • The spout design enables clean and precise pouring • Uniform wall thickness distribution makes it ideal for heating liquids • The easy-to-read scale and large labelling field make marking easier • High resistance to chemical attack • Double graduation metric scale for convenience 	20

7	Boiling Test Tube – With Rim, Size – 25 x 150 mm.	<ul style="list-style-type: none"> Complies with IS 2618, ISO / DIN 4142 Made of borosilicate glass, designed with a round bottom Made thick-walled, mechanically very resistant High thermal shock resistance Designed with a rim 	600
8	Burette Brush –	Made of Nylon Material, standard size.	30
9	Burette –	Boroflo, Fitted with Boroflo GP (General Purpose), Screw Thread Stopcocks with PTFE Keys, Accuracy as per Class B of IS 1997:2008/ISO 385:2005 <ul style="list-style-type: none"> Generally used in Titration Process Comes with Boroflo with PTFE Key is highly resistance to Chemical attack No need to lubricate it as PTFE key is used Graduation – 0.1 ml. Tolerance -- ± 0.10 ml 	30
10	Clay pipe triangular –	Heavy quality, Standard size	60
11	Conical Flask – 100 ml.	Erlenmeyer, Conical, Narrow Mouth Complies with IS 1381(Part I),ISO / DIN 1773 Graduated from 25 ml to 100 ml <ul style="list-style-type: none"> Uniform wall thickness distribution makes these Flasks ideal for heating The conical form makes them suitable for mixing liquids The easy-to-read scale and large labeling field facilitate easy marking 	20
12	Conical Flask – 250 ml.	Erlenmeyer, Conical, Narrow Mouth Complies with IS 1381(Part I),ISO / DIN 1773 Graduated from 50 ml to 250 ml <ul style="list-style-type: none"> Uniform wall thickness distribution makes these Flasks ideal for heating The conical form makes them suitable for mixing liquids The easy-to-read scale and large labeling field facilitate easy marking 	20
13	Conical Flask – 50 ml.	Erlenmeyer, Conical, Narrow Mouth Complies with IS 1381(Part I),ISO / DIN 1773 Graduated from 10 ml to 50 ml <ul style="list-style-type: none"> Uniform wall thickness distribution makes these Flasks ideal for heating The conical form makes them suitable for mixing liquids The easy-to-read scale and large labeling field facilitate easy marking 	20
14	Conical Flask – 500 ml.	Erlenmeyer, Conical, Narrow Mouth Complies with IS 1381(Part I),ISO / DIN 1773 Graduated from 100 ml to 500 ml <ul style="list-style-type: none"> Uniform wall thickness distribution makes these Flasks ideal for heating The conical form makes them suitable for mixing liquids The easy-to-read scale and large labeling field facilitate easy marking 	20
15	Cork Borer –	Heavy Pattern, All Brass, chrome plated, set of 6	6
16	Desiccators 4” dia. – (100 mm. dia.)	Desiccators, with Cover and Porcelain Plate, PlasticKnob <ul style="list-style-type: none"> Robust Desiccators base and cover made of borosilicate glass 	6

		<ul style="list-style-type: none"> • Simple design for drying under atmospheric pressure • Ground glass flanges • Plates are positioned on an internal ledge within the base • Generally used for drying of moist products, and for storage of moisture sensitive substances 	
17	Desiccators 6" dia. – (150 mm. dia.)	Desiccators, with Cover and Porcelain Plate, Plastic Knob <ul style="list-style-type: none"> • Robust Desiccators base and cover made of borosilicate glass • Simple design for drying under atmospheric pressure • Ground glass flanges • Plates are positioned on an internal ledge within the base • Generally used for drying of moist products, and for storage of moisture sensitive substances 	6
18	Filter paper – Whatman / equivalent	12.5 cm. Standard, Grade 1: 11 µm Grade 1 standard filter paper is the most widely used filter paper for routine applications with medium retention & flow rate. This grade covers a wide range of laboratory applications and is frequently used for clarifying liquids. Traditionally, this grade is used in qualitative analytical separations for precipitates such as lead sulfate, calcium oxalate (hot), and calcium carbonate. Diameter 125 mm	30
19	Glass Funnel – (2" dia.)	Plain, 60° Angle, Short Stem <ul style="list-style-type: none"> • Complies with IS 1591, ISO / DIN 4798 • Made 3.3 borosilicate glass, USP Type I • Designed with a 60° bowl angle to ensure precise fitting of the filter paper • High thermal shock resistance and chemical resistance • Generally used for filtering and decanting liquids of varied densities 	20
20	Glass Funnel – (3" dia.)	Plain, 60° Angle, Short Stem <ul style="list-style-type: none"> • Complies with IS 1591, ISO / DIN 4798 • Made 3.3 borosilicate glass, USP Type I • Designed with a 60° bowl angle to ensure precise fitting of the filter paper • High thermal shock resistance and chemical resistance • Generally used for filtering and decanting liquids of varied densities 	20
21	Glass Funnel – (4" dia.)	Plain, 60° Angle, Short Stem <ul style="list-style-type: none"> • Complies with IS 1591, ISO / DIN 4798 • Made 3.3 borosilicate glass, USP Type I • Designed with a 60° bowl angle to ensure precise fitting of the filter paper • High thermal shock resistance and chemical resistance • Generally used for filtering and decanting liquids of varied densities 	20

22	Glass Rod –	Neutral Glass	5 kg.
23	Glass Trough -- 8” dia. –	Neutral Glass	10
24	Glass Tube –	Made of Neutral Glass, (O. D. 4.5, Inner dia. 4.0 Approx.)	10 Kg.
25	Hot Plate –	Round, 8” dia, Maximum Surface temperature 300° C, Temp. Controlled by energy regulator thermostatically, Nicrome Elements.	2
26	Ignition Tube –	Plain Neutral glass, shape : Round bottom	5 Pkt.
27	Magnetic stirrer –	A Fractional Horse Power motor mounted in sheet metal housing, fitted with speed regulator, max. Speed 1200 rpm. Top Plate stainless steel, Capacity 2 Liter , supplied with PTFE coated stirring bar, and Hot Plate energy regulator. Electrical cables supplied.	2
28	Measuring Cylinder – 100 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, withHexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 1.0 ml. • Tolerance \pm 1.0 ml. 	20
29	Measuring Cylinder – 1000 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, withHexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 10 ml. • Tolerance \pm 10 ml. 	20
30	Measuring Cylinder – 25 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, withHexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 0.5 ml. • Tolerance \pm 0.5 ml 	20
31	Measuring Cylinder – 250 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, withHexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 2.0 ml. • Tolerance \pm 2.0 ml. 	20
32	Measuring Cylinder – 50 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, withHexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 1.0 ml. 	20

		<ul style="list-style-type: none"> • Tolerance \pm 1.0 ml. 	
33	Measuring Cylinder – 10 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, with Hexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 1.0 ml. <p>Tolerance \pm 1.0 ml.</p>	20
34	Measuring Cylinder – 500 ml.	<p>Cylinders, Graduated, Single Metric Scale, with Pour out, with Hexagonal Base, Class B</p> <ul style="list-style-type: none"> • Complies with IS 878, ISO / DIN 4788 • Graduations in Amber enamel • Sturdy hexagonal base prevents roll-over and ensures greater stability • Graduation Interval 5.0 ml. • Tolerance \pm 5.0 ml. 	20
35	Mortal & Pestle – 3” dia.	EURO DESIGN, made of Porcelain, Maximum temperature up to 800° C Size (ID x H) 75 x 48 mm	30
36	Pip Bottle – 125 ml.	<p>Bottles, Dropping with Pipette & Rubber Teat</p> <ul style="list-style-type: none"> • Made from 3.3 borosilicate glass • Highly chemical resistance • Supplied with interchangeable ground joint transparent pipette with rubber teat • Approx. O. D. & Height 55 x 120 mm. • Socket size 19/26 	20
37	Pip Bottle – 250 ml.	<p>Bottles, Dropping with Pipette & Rubber Teat</p> <ul style="list-style-type: none"> • Made from 3.3 borosilicate glass • Highly chemical resistance • Supplied with interchangeable ground joint transparent pipette with rubber teat • Approx. O. D. & Height 65 x 147 mm. • Socket size 19/26 	20
38	Pip Bottle – 30 ml.	<p>Bottles, Dropping with Pipette & Rubber Teat</p> <ul style="list-style-type: none"> • Made from 3.3 borosilicate glass • Highly chemical resistance • Supplied with interchangeable ground joint transparent pipette with rubber teat • Approx. O. D. & Height 35 x 84 mm. • Socket size 14/19 	20
39	Pip Bottle – 60 ml.	<p>Bottles, Dropping with Pipette & Rubber Teat</p> <ul style="list-style-type: none"> • Made from 3.3 borosilicate glass • Highly chemical resistance • Supplied with interchangeable ground joint transparent pipette with rubber teat • Approx. O. D. & Height 42 x 100 mm. • Socket size 14/19 	20
40	Reagent Bottle (Wide Mouth) – 250 ml.	<p>Reagent Bottles, Amber, Wide Mouth, Graduated, With Screw Cap and Pouring Ring</p> <ul style="list-style-type: none"> • These bottles are mechanically strong and chemical resistant • Designed with plastic pouring ring for drip-free operation • The screw caps and pouring are made of PP and autoclavable • Printed with a Retrace Code • The uniform Amber color is highly durable and has high chemical resistance 	20

		<ul style="list-style-type: none"> • Properties within the bottle remain unchanged, as the color is applied only on the external surface • Ideal for use with light-sensitive media and for long-term storage of substances • Approx. O. D. & Height 70 x 138 mm. • Height indicated is of Bottle only 	
41	Reagent Bottle – 250 ml.	Reagent Bottles , Narrow Mouth, Amber Graduated, WithInterchangeable Flat Head Stopper <ul style="list-style-type: none"> • These narrow mouth reagent storage bottles have a sturdy ground neck • All sizes have a durable matt-finished enameled area for marking • These bottles are mechanically strong and chemical resistant • The uniform Amber color is highly durable and has high chemical resistance • Properties within the bottle remain unchanged, as the color is applied only on the external surface • Protects media from light radiation with a wave-length between 300 nm and 500 nm • Ideal for use with light-sensitive media and for the long-term storage of Substances • Supplied with solid glass stopper • Approx. O. D. & Height 70 x 140 mm. • Height indicated is of Bottle only 	20
42	Reagent Bottle – 500 ml.	Reagent Bottles , Narrow Mouth, Amber Graduated, WithInterchangeable Flat Head Stopper <ul style="list-style-type: none"> • These narrow mouth reagent storage bottles have a sturdy ground neck • All sizes have a durable matt-finished enameled area for marking • These bottles are mechanically strong and chemical resistant • The uniform Amber color is highly durable and has high chemical resistance • Properties within the bottle remain unchanged, as the color is applied only on the external surface • Protects media from light radiation with a wave-length between 300 nm and 500 nm • Ideal for use with light-sensitive media and for the long-term storage of Substances • Supplied with solid glass stopper • Approx. O. D. & Height 86 x 182 mm. • Height indicated is of Bottle only 	20
43	Reagent Bottle (Wide Mouth) – 500 ml.	Reagent Bottles, Amber, Wide Mouth, Graduated, With Screw Capand Pouring Ring <ul style="list-style-type: none"> • These bottles are mechanically strong and chemical resistant • Designed with plastic pouring ring for drip-free operation • The screw caps and pouring are made of PP and autoclavable • Printed with a Retrace Code • The uniform Amber color is highly durable and has high chemical resistance • Properties within the bottle remain unchanged, as the color is applied only on the 	20

		external surface <ul style="list-style-type: none"> • Ideal for use with light-sensitive media and for long-term storage of substances • Approx. O. D. & Height 86 x 176 mm. • Height indicated is of Bottle only 	
44	Retort Stand – 8” x 5”	Superior Heavy duty steel alloy stand with powder coating, chrome plated Road 24” x ½” , Bose head, Retort clamp & Ring	20
45	Rubber cork –	No. 4 to 20 each 24 Pecks	400
46	Sheet –	Chromatography sheet Grade – 1, Whatman (100 sheet in pkt.)	100
47	Silica Crucible –	50 ml. with lid, Up to 800° C	12
48	Spatula – Spoon type	Spatula Ended Spoon	20
49	Test Tube –	With Rim, Size 18 x 150 mm. <ul style="list-style-type: none"> • Complies with IS 2618, ISO / DIN 4142 • Made of borosilicate glass, designed with a round bottom • Made thick-walled, mechanically very resistant • High thermal shock resistance • Designed with a rim 	600
50	Test Tube Brush –	Made of Nylon Material, standard size.	30
51	Test Tube Holder –	Brass/Chrome Plated	36
52	Tongs 8” –	Material - Stainless steel	30
53	Triangular File –	Jkmake with handle	20
54	Tripod Stand –	8” for gas Burner Cast iron black painted top, three balanced chrome plated screw legs. Top – triangular 12 cm. Height – 20 cm.	20
55	Volumetric flask – 100 ml.	With Interchangeable PP Stopper Accuracy as per Class B <ul style="list-style-type: none"> • Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance • Amber enamel inscriptions • Certified and Calibrated at 27°C • Tolerance ± 0.20 ml. • Stopper Size 14/15 	20
56	Volumetric flask – 250 ml.	With Interchangeable PP Stopper Accuracy as per Class B <ul style="list-style-type: none"> • Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance • Amber enamel inscriptions • Certified and Calibrated at 27°C • Tolerance ± 0.30 ml. • Stopper Size 14/15 	20
57	Volumetric flask – 500 ml.	With Interchangeable PP Stopper Accuracy as per Class B <ul style="list-style-type: none"> • Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance • Amber enamel inscriptions • Certified and Calibrated at 27°C • Tolerance ± 0.50 ml. • Stopper Size 19/20 	20

58	Volumetric flask – 1000 ml.	With Interchangeable PP Stopper Accuracy as per Class B <ul style="list-style-type: none"> Manufactured from 3.3 borosilicate, USP Type I glass for corrosion-free performance Amber enamel inscriptions Certified and Calibrated at 27°C Tolerance ± 0.50 ml. Stopper Size 19/20 	20
59	Volumetric Pipette – 10 ml.	Pipettes Transfer Volumetric, Class B <ul style="list-style-type: none"> Complies with ISO / DIN – 648 Calibrated for delivery Generally used for accurate measurement and decanting of liquid Tolerance ± 0.04 	20
60	Volumetric Pipette – 20 ml.	Pipettes Transfer Volumetric, Class B <ul style="list-style-type: none"> Complies with ISO / DIN – 648 Calibrated for delivery Generally used for accurate measurement and decanting of liquid Tolerance ± 0.06 	20
61	Volumetric Pipette – 25 ml.	Pipettes Transfer Volumetric, Class B <ul style="list-style-type: none"> Complies with ISO / DIN – 648 Calibrated for delivery Generally used for accurate measurement and decanting of liquid Tolerance ± 0.06 	20
62	Volumetric Pipette – 5 ml.	Pipettes Transfer Volumetric, Class B <ul style="list-style-type: none"> Complies with ISO / DIN – 648 Calibrated for delivery Generally used for accurate measurement and decanting of liquid Tolerance ± 0.03 	20
63	Wash Bottle – 500 ml.	Poly, New Type	30
64	Watch Glass (3")	-- Standard	40
65	Watch Glass (4")	-- Standard	40
66	Water Deionizer –	Output/hr (liters) 70	1
67	Wire Gauge	Standard Size with framing.	30
68	Purple Nitrile Gloves	Medium Size (Box of 100)	1 packet
69	Rubber (Red color) bulb for pipette	Small-10 mL, Medium – 15 mL and Large – 20 mL	60
70	Magnetic head retriever stirrer bar	7 mm diameter	6
71	Glass Stalagmometer	Shape: Straight	50
72	Beckmann freezing point apparatus	2 liter glass cooling jar, 2 air jackets, 2 freezing tubes fitted with cork, glass syphon & thermometer	4
73	Distillation unit	for distilled water Making pyrogen free distilled water of a very high degree of purity. Made of S.S. special kettle element is fitted with Ejection Device/Auto Cut for safety of the element is provided water supply is stopped. The cock fitted to the unit is of brass CPA wall mounting clamp provided with unit. Supplied with cord and plug to work on 220/230 volts A. C.	2

		Capacity 2 Ltr./hr. (approx.), Load – 2 kW	
74	Automatic servo stabilizer	Range: 90 to260 volt, 5 KVA	1
75	Specific gravity bottle -- 25 mL	With Thermometer <ul style="list-style-type: none"> • These bottles are mechanically strong and Chemical resistant • Have a durable matt-finished enameled area for marking 	20
76	Litmus paper (Blue & Red)	Full Range (pH 1.0 – 14.0) with color code, 10 BKT in a pack.	100 pkt
77	Stopwatch Racer	Stopwatch 1/100 second Time Display: Hour, Minute and Seconds Calendar Display: Day, Date Month Alarm	80
78	Laboratory thermometer (0 to 360 °C)	Filling: Mercury Filled Material: Glass and Mercury Display Resolution: 0.1/0.5/1/2 Temperature Range: 0-100 Degree C Brand: SKI	50
79	Glass plate 3*7”	Glass plate 3*7”	100
80	Capillary Tubes (Fine) pkt.	Type: Glass Tube Size: 0. 30mm od to 10. 00mm od	10
81	Test Tube brush	Length: 20 Inch Brand: Central Color: Yellow,white etc... Material: Steel, Nylon	50