

**CSIR-IMTECH'S procurement plan of Apparatus &**

<b>Sr. No.</b>	<b>Equipment</b>
1	Inverted Microscope
2	CO2 Incubator
3	Centrifuge
4	-20 Degree Freezer
5	-80 degree Freezer
6	Multi mode plate reader
7	Schrodinger Software Suite
8	Analytical Weighing Balance
9	Thermomixer
10	CO2 Incubator
11	Incubator
12	Centrifuge
13	Lvophilization unit for BSL2
14	Ultrasonicator Cum homogenizer
15	Growth Curve analyzer
16	-80C Freezers
17	Liquid nitrogen containers & cans
18	Nanodrop
19	HPLC UV-Vis Nanodrop
20	Light incubator
21	Blot and Gel imaging system
22	rotary evaporator
23	phase contrast microscope
24	Deep Freezer
25	Fast prep
26	Ducting fumehood
27	Plate reader
28	Weighing Balance
29	Thermo mixer
30	Rota spin
31	Gel electrophoresis unit
32	SDS-Page electrophoresis unit
33	Western transfer unit
34	Tissue homogenizer
35	Temperature and humidity meter
36	Refrigerator
37	Tissue culture rack
38	Dry bath
39	Printer with scanner
40	scanner
41	micro centrifuge
42	tube mixer
43	computer
44	vortex mixer

45	portable PCR
46	Digital Colony Counter
47	UV torch
48	UV illuminator for TLC plates
49	multimeter
50	peristaltic pump
51	freezer (-20)
52	lux meter
53	floor microprocessor rotary shaker
54	Water Bath Sonicator
55	clean room facility for gmp production of microbial culture
56	-80 freezers with temperature data chart recorder and gmp qu
57	cell counter
58	lyphilyzer
59	refrigerated centrifuge (15ml-50ml)
60	real time pcr
61	biosafety cabinet
62	peristaltic pump
63	autoclave automated
64	incubator
65	BOD incubators
66	PCR machines
67	gel electrophoresis units
68	Gel doc
69	UV-VIS spectrophotometer
70	Fumigation hood
71	phase contrast Microscope
72	Water purification system
73	-20 C deep freezers
74	4 DC refrigerator
75	Anaerobic Chamber
76	Votrtex
77	4 computers
78	particle counters
79	usp power backup
80	ice making machine
81	microbial cell viability counter

82	4 laser printers
83	server
84	display
85	CC Camera
86	PH and conductivity meters
87	magnetic stirrers
88	hot plates
89	microwave oven
90	bead beater
91	barcode reader
92	Thermomixer
93	split AC
94	10 KVA UPS
95	AC
96	flouescene Microscope with phase contrast option
97	Multimode plate reader with anisotrophy module
98	small scale fermenter (5L scale)
99	RT-PCR
100	Chemiluminescence & Gel Imaging Instrument
101	Probe Sonicator
102	Gradient PCR Machine
103	Bench-top ultracentrifuge
104	MALDI-Biotyper
105	IVC System
106	Biosafety Cabinet Type B2
107	37*C Incubator Static
108	UV Trans illuminator
109	BSL II Hood
110	Automatic colony counter
111	Anaerobic workstation
112	PC
113	Furniture for GMP Facility & lab
114	Minor instruments
115	Multi-Sample Sonication System
116	Screening System

117	Ultra Low Freezer
118	Sds page and western transfer unit with accessories
119	Semi-dry transfer system for western blotting with power pack
120	Multiples position magnetic stirrer with temp. control
121	WAVE maxi system for electrophoresis and blotting
122	Incubator shaker
123	Refrigerated shaker-incubator
124	Refrigerated Table top centrifuge
125	Biosafety cabinet
126	weighing balance
127	High speed Refrigerated centrifuge for 24 places micro-centrifuge
128	Biological Safety cabinet class 2
129	Gradient PCR
130	Vaccum Concentrator
131	High-speed Refrigerated centrifuge
132	microvolume nanodrop
133	automated cell counter
134	Automated colour printer and scanner
135	Microplate Reader
136	Refrigerated Centrifuge
137	Plant growth chamber
138	centrifuge
139	Gradient thermocycler
140	Microtome
141	Refrigerated Centrifuge with provision of 15/50 ml Rotor
142	PCR machine
143	Fluorimeter instrument
144	Centrifugal vacuum concentrator
145	Fibre Coupled Lazer source system
146	Dehumidification system
147	Photoreactor / photoreaction set-up instrument
148	Semi Preparative High Performance Liquid Chromatography
149	Imaging system
150	Cryo-EM
151	Microvolume Spectrophotometer

152	High-Resolution Mass Spectrometry (HRMS)
153	Multimode Plate Reader
154	Liquid nitrogen container with racks and wheel cart
155	ln2 cryocontainer

SIR-IMTECH's procurement plan of Consumable Items for year 2023-24

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<b>Sr. No.</b>	<b>Consumable items</b>
1	Covid Mini Kit
2	Microbial cultures
3	NRRL-1951 - Penicillium rubens
4	NRRL-2272 - Penicillium rubens Biourge
5	NRRL-B-1195 - Streptomyces fradiae
6	NRRL-B-1628 - Streptomyces parvulus
7	NRRL-B-1714 - Streptomyces noursei
8	NRRL-B-2249- Streptomyces griseus subspecies alpha
9	NRRL-B-2535 - Streptomyces kanamyceticus
10	NRRL-B-11280- Streptoalloteichus hindustanus
11	Ideonella Sakaiensis (DSM 112585) Bacterail Culture
12	BDT V3.1 RR-5000 & SEQ Buffer Each
13	POP-7 (384) polymer 3500 Series each
14	Big dye Xterminator kit
15	Cathode BFR Containr 3500 SER Each
16	Anode BFFR Containr 3500 Series Each
17	Acetyl Coenzyme A (Acetyl-1-14C)
18	Tn-Seq services: Illumina sequencing-run-Novaseq 50M paired-reads run 2X150 bp

<b>Sr. No.</b>	<b>Name of the Materials</b>
1	CECT 11078 Komagataella pastoris
2	CECT 2784 Penicillium rubens
3	CECT 3197 Streptomyces fradiae
4	CECT 3214Streptomyces kanamyceticus
5	CECT 3241 Streptomyces noursei

6	CECT 3330 Streptomyces griseus
7	CECT 3328 T Streptomyces halstedii
8	CECT 2718 T Acremonium chyrosegenum
9	CECT 3125 T Streptomyces clavuligerus
10	CECT 3207 Streptomyces aureofaciens
11	CECT 4288 T Corallococcus coralloides
12	CECT 3270 T Streptomyces alboniger
13	CECT 3113 Streptomyces venezuelae
14	CECT 3200 T Saccharopolyspora erythrae
15	CECT 3243 Streptomyces coelicolor
16	CECT 3125 T Streptomyces clavuligerus
17	CECT 8346 T Clostridium tetani
18	CECT 7974 Bordetella pertussis
19	CECT 8721 Bordetella pertussis
20	CECT 11078 T Komagataella pastoris
21	CECT 11077 T Hansenula polymorpha
22	CECT 1389 Saccharomyces cerevisiae
23	CECT 1499 Rhodotorula toruloides
24	CECT 670 Escherichia coli HB101
25	CECT 39 T Bacillus subtilis
26	CECT 4157 T Corynebacterium glutamicum
27	CECT 512 Vibrio cholerae
<b>Sr. No.</b>	<b>Strain Name</b>
1	Clostridium tetani
2	Bordetella pertussis
3	Vibrio cholerae
4	Streptococcus pneumoniae serotype 19A
5	Streptococcus pneumoniae serotype 20
6	Streptococcus pneumoniae serotype 22F
7	Streptococcus pneumoniae serotype 23F
8	Streptococcus pneumoniae serotype 33F
9	Neisseria meningitidis Serotype A
10	Neisseria meningitidis Serotype C
11	Neisseria meningitidis Serotype W-135

12	Neisseria meningitidis Serotype Y
13	Streptococcus pneumoniae serotype 1
14	Streptococcus pneumoniae serotype 2
15	Streptococcus pneumoniae serotype 3
16	Streptococcus pneumoniae serotype 4
17	Streptococcus pneumoniae serotype 5
18	Streptococcus pneumoniae serotype 6B
19	Streptococcus pneumoniae serotype 7F
20	Streptococcus pneumoniae serotype 8
21	Streptococcus pneumoniae serotype 9N
22	Streptococcus pneumoniae serotype 9V
23	Streptococcus pneumoniae serotype 10A
24	Streptococcus pneumoniae serotype 11A
25	Streptococcus pneumoniae serotype 12F
26	Streptococcus pneumoniae serotype 14
27	Streptococcus pneumoniae serotype 15B
28	Streptococcus pneumoniae serotype 17F
29	Streptococcus pneumoniae serotype 18C
30	Streptococcus pneumoniae serotype 19F
31	Haemophilus influenzae
32	Corynebacterium glutamicum
33	Vibrio natriegens
34	Streptomyces coelicolor
<b>Sr. No.</b>	<b>Item Name</b>
1	BGSC 1A1 - Bacillus subtilis
2	BGSC 2A9 - Bacillus spizizenii
3	BGSC 1A1133 - Bacillus subtilis
4	BGSC ECE255 - Escherichia coli
5	BGSC ECE256 - Escherichia coli
6	BGSC 3A38- Bacillus subtilis
7	BGSC 1A1070 - Bacillus subtilis
8	BGSC 29A3 -Bacillus spp.
9	BGSC 1A1071 - Bacillus subtilis
10	BGSC ECE295 - Escherichia coli
11	BGSC ECE262 - Escherichia coli

12	BGSC ECE268 - Escherichia coli
13	BGSC ECE267 - Escherichia coli
14	BGSC ECE269 - Escherichia coli
15	BGSC ECE271 - Escherichia coli
16	BGSC ECE274 - Escherichia coli
17	BGSC BKE24220 - Bacillus subtilis
18	BGSC 3A36 - Bacillus subtilis
19	BGSC ECE231 - Escherichia coli
20	BGSC BSF2470 - Bacillus subtilis
21	BGSC 1A976 - Bacillus subtilis
22	BGSC 1A1060 - Bacillus subtilis
23	BGSC ECE170 - Escherichia coli
24	BGSC 26A1 - Brevibacillus brevis
25	BGSC 40A3 - Brevibacilluslaterosporus
26	BGSC 1A857 - Bacillus subtilis
27	BGSC ECE196 - Escherichia coli
28	BGSC ECE197 - Escherichia coli
29	BGSC 3A22 - Bacillus subtilis
30	BGSC ECE22 - Escherichia coli
31	BGSC ECE19 - Escherichia coli
32	BGSC ECE139 - Escherichia coli
33	BGSC ECE142 - Escherichia coli
34	BGSC ECE152 - Escherichia coli
35	BGSC 1A1276 - Bacillus subtilis
36	BGSC 1A1278 - Bacillus subtilis
37	BGSC 1A806 - Bacillus subtilis
38	BGSC 1L35 - Bacillus subtilis
39	BGSC 1L46 - Bacillus subtilis
40	BGSC 1L47 - Bacillus subtilis
41	BGSC 1L39 - Bacillus subtilis
42	BGSC 1L40 - Bacillus subtilis
43	BGSC 1A684 - Bacillus subtilis
44	BGSC ECE270 - Escherichia coli
45	BGSC 1A253 - Bacillus subtilis
46	BGSC 1L38 - Bacillus subtilis



47	BGSC 1A510 - Bacillus subtilis
48	BGSC 1A719 - Bacillus subtilis
49	BGSC 1A808 - Bacillus subtilis
50	BGSC 1A809 - Bacillus subtilis
<b>Sr. No.</b>	<b>Strain Name</b>
1	Clostridium tetani
2	Bordetella pertussis
3	Vibrio cholerae
4	Salmonella enterica subsp. enterica serovar Paratyphi A
5	Streptococcus pneumoniae serotype 19A
6	Streptococcus pneumoniae serotype 20
7	Streptococcus pneumoniae serotype 22F
8	Streptococcus pneumoniae serotype 23F
9	Streptococcus pneumoniae serotype 33F
10	Neisseria meningitidis Serotype A
11	Neisseria meningitidis Serotype W-135
12	Neisseria meningitidis Serotype Y
13	Corynebacterium diphtheriae
14	Corynebacterium diphtheriae C7 beta 197
15	Salmonella typhi
16	Streptococcus pneumoniae serotype 1
17	Streptococcus pneumoniae serotype 2
18	Streptococcus pneumoniae serotype 3
19	Streptococcus pneumoniae serotype 4
20	Streptococcus pneumoniae serotype 5
21	Streptococcus pneumoniae serotype 6B
22	Streptococcus pneumoniae serotype 7F
23	Streptococcus pneumoniae serotype 8
24	Streptococcus pneumoniae serotype 9N
25	Streptococcus pneumoniae serotype 9V
26	Streptococcus pneumoniae serotype 10A
27	Streptococcus pneumoniae serotype 11A
28	Streptococcus pneumoniae serotype 12F
29	Streptococcus pneumoniae serotype 14

30	Streptococcus pneumoniae serotype 15B
31	Streptococcus pneumoniae serotype 17F
<b>Sr. No.</b>	<b>Strain Name</b>
1	Cyberlindnerajadinii
2	Saccharomyces cerevisiae
3	Schwanniomyces occidentalis
4	Komagataella pastoris
5	Kluyveromycesmarxianus
6	Ogataea polymorpha
7	Cyberlindnerajadinii
8	Cyberlindnerajadinii
9	Pachysolentannophilus
10	Ogataea polymorpha
11	Pachysolentannophilus
12	Komagataella pastoris
13	Hanseniasporauvarum
14	Saccharomyces cerevisiae
15	Lipomycesstarkeyi
16	Tausonia pullulans
17	Sporobolomycessingularis
18	Saccharomyces cerevisiae
19	Saccharomyces cerevisiae
20	Candida albicans
21	Yarrowialipolytica
22	Phaffiarhodozyma
23	Saccharomyces cerevisiae
24	Wickerhamomycesanomalous
25	Kluyveromyces lactis
26	Schizosaccharomyces pombe
27	Saccharomyces cerevisiae
28	Pichia kudriavzevii
29	Kluyveromycesmarxianus
30	Cyberlindnerajadinii (Type Strain)
	<b>List of GMP Grade Chemicals</b>
<b>Sr. No.</b>	<b>Item Description</b>

1	Isopropyl alcohol (absolute)
2	Hydrochloric acid
3	Water, endotoxin free
4	Buffer, reference standard, 4.0
5	Buffer, reference standard, 7.0
6	Buffer, reference standard, 10.0
7	Glycerol, Protease free, nuclease free, 99.5% molecular grade
8	KCl
9	NaOH
10	KOH
11	pH paper strips, 0 to 14
12	pH paper strips, 6.4 to 8.0
13	Gram staining kit
14	Yeast Mold (YM) broth {dehydrated medium}
15	Yeast Mold (YM) agar {dehydrated medium}
16	TSB medium
17	Agar
18	Agarose
19	Acrylamide/ Bisacrylamide solution 30% (37.5:1)
20	TEMED
21	Ammonium persulphate (APS)
22	SDS (20%)
23	Tris-Cl
24	TE buffer

**List of GMP Plastic wares and Glassw**

<b>Sr. No.</b>	<b>Item Description</b>
1	L spreader
2	Soft loop, sterile, 10 $\mu$ l
3	Spray bottles, 500ml
4	Squirt bottles, 250ml
5	Sterile disposable petri dishes (90mm)
6	Cryogenic storage vials, sterile, 2 ml
7	Cryogenic storage box
8	Cryogenic vials support racks
9	Cryogenic storage racks, stainless steel

10	Magnetic stir bar
11	Magnetic stir bar retriever
12	Conical centrifuge tubes, 15 ml, sterile
13	Conical centrifuge tubes, 50 ml, sterile
14	Microcentrifuge tubes, 1.5 ml
15	Microcentrifuge tubes, 2.0 ml
16	Microscope slide with frosted end (grease free)
17	Microcentrifuge tube racks
18	Universal centrifuge tube racks, 15ml & 50ml
19	Conical tube racks, 15ml & 50ml
20	Measuring scoop set, 50ml
21	Autoclavable bags
22	-20°C coolers with gel filled cover
23	Parafilm M
24	Disposable cuvettes
25	Gram staining rack
26	Micropipette tips 200µL, sterile
27	Micropipette tips 1000µL, sterile
28	Micropipette tips 200µL
29	Micropipette tips 1000µL
30	Plastic beakers 1000ml
31	Sterile disposable serological pipettes 5mL
32	Sterile disposable serological pipettes 10mL
33	Measuring cylinders 100mL
34	Measuring cylinders 250mL
35	Conical flasks 100mL
36	Conical flasks 500mL
37	Sterile Erlenmeyer flasks with baffles 125mL
38	Sterile Erlenmeyer flasks with baffles 250mL
39	Sterile Erlenmeyer flasks with baffles 500mL
40	Sterile Erlenmeyer flasks with baffles 1000mL
41	Glass reagent bottles 100mL
42	Glass reagent bottles 250mL
43	Glass reagent bottles 500mL
44	Glass reagent bottles 1000mL

































1	10 Lac
1	500000
1	494420
1	499900
1	484980
1	497960
1	499907
1	500000
1	500000
1	140000
1	470001
1	499140
1	499494
1	499966
1	470001
1	500000
1	403059
1	110000
3	1499230
2	974565
1	500000
1	500000
1	499200
1	500000
1	487897
1	499494
1	235336
1	499966
1	450000
1	490000
1	496823
1	3500000
1	
1	
1	

1	
	~2400000
<b>Quantity (As per requirement)</b>	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
20	
2	
2	
2	
40	
<b>Quantity (As per requirement)</b>	





















































