

**THE FOLLOWING PROJECT WISE 1 YEAR(APPROXIMATE) REQUIREMENTS  
FOR CHEMICALS AND OTHER MATERIALS:**

SL.NO.	NAME OF THE CHEMICALS	GRADE/NAME OF THE BRAND	APPROXIMATE QTY.
<b>A</b>	<b><u>LAB CHEMICALS &amp; REAGENTS</u></b>		
1	2-Propanol (Litres)	Merck	<b>150</b>
2	Acetic acid (Kg)	Merck	<b>4</b>
3	Acetone (Litres)	Hi - Media	<b>10</b>
4	Acrylamide -100g (Nos.)	Hi - Media	<b>3</b>
5	Aeromonas isolation agar (Nos.)	Hi - Media	<b>1</b>
6	Aeromonas selective supplement (Vails)	Hi - Media	<b>3</b>
7	Agarose (high eeo) RM 187-100 gm (Nos)	Hi - Media	<b>20</b>
8	Agarose (500 grms) Nos	Seakem lonza	<b>10</b>
9	Alkaline Saline peptone water (Nos.)		<b>1</b>
10	Amikacin (g)		<b>10</b>
11	Ammonium chloride (Kg)		<b>10</b>
12	Ammonium molybdate (gram)	Nice	<b>1000</b>
13	Ammonium per sulphate -25g (Nos.)	Nice	<b>3</b>
14	Amoxicillin (gram)	Hi - Media	<b>10</b>
15	Ampicillin sodium salt (Nos.)	Sigma	<b>1</b>
16	Ampicillin-10ml-10mg/ml (Nos.)	Hi - Media	<b>5</b>
17	Androde Peptone water (Nos.)	Hi - Media	<b>2</b>
18	Anode buffer	Hi - Media	<b>2</b>
19	Arabinose disc (Vails)	Hi - Media	<b>1</b>
20	Arginine Dihydrolase broth (Nos.)	Hi - Media	<b>1</b>
21	Astaxantin (Kg)	Merck	<b>2</b>
22	Azithromycin (gram)	Hi - Media	<b>10</b>
23	Bactopur (Litre)	Merck	<b>30</b>
24	Barritte Reagent A (Nos.)	Hi - Media	<b>1</b>
25	Barritte Reagent B (Nos.)	Hi - Media	<b>1</b>
26	Batadin Solution (Litres)	"Glaxo"	<b>20</b>
27	Big -Di terminator	Merck	<b>2</b>
28	Bind silane-25ml (Nos.)	<b>SIGMA</b>	<b>2</b>
29	Biotin Vitamin-D (gram)	Merck	<b>600</b>
30	Bis acrylamide-250g (Nos.)	Hi - Media	<b>2</b>
31	Blood Agar base- 250G (Nos.)	Hi - Media	<b>3</b>
32	Boric Acid (Kg)	Merck	<b>20</b>
33	Boric acid cryst (500g.)	Fisher	<b>15</b>
34	Care-P (For Fogger)-(Kg)	Merck	<b>135</b>
35	Cefixime (gram)	Himedia	<b>510</b>
36	Cellobiose (Vails)	Himedia	<b>5</b>
37	Cephalexin (gram)	Himedia	<b>10</b>
38	Chloramine-T (Kg)	Merck	<b>10</b>
39	Chloramphenicol (Vails)	Himedia	<b>3</b>

40	Chloroform-500ml (Litres)	Merck	<b>8</b>
41	Cimmons Citrate agar (Nos.)	Himedia	<b>3</b>
42	Ciprofloxacin (gram)	Himedia	<b>110</b>
43	Copper sulphate (gram)	NICE	<b>500</b>
44	Cobalt chloride (gram)	Merck	<b>2000</b>
45	Conditioning reagent	Merck	<b>250</b>
46	Cyanocobalamine- Vitamin-B12 (gram)	Merck	<b>1000</b>
47	Cyclopeeze (Kg)	Merck	<b>5</b>
48	De Mineralised Water (Litres)	Nice	<b>2150</b>
49	Deionised Water (Cans)	Nice	<b>700</b>
50	Distilled water(litre)	Nice	<b>500</b>
51	Demerara Sugar (Kg)	Nice	<b>350</b>
52	Dichlorovos (ml)	Nice	<b>1200</b>
53	Di-sodium salt(EDTA) (Kg)	Nice	<b>33</b>
54	DMSO-100ml (Nos.)	Merck	<b>1</b>
55	DNA Ladder (100bp) (Nos.)	GeneDirex/Synergy	<b>28</b>
56	DNA Ladder (50 bp) (Nos.)	GeneDirex/Synergy	<b>2</b>
57	DNA ladder-1Kb (Nos.)	GeneDirex/Synergy	<b>2</b>
58	dNTP Mix – 1ml (25Mm) (Nos.)	GeneDirex/Synergy	<b>5</b>
59	DPD Tablets (Ozone test) (Nos)	Prerana Laboratory	<b>8000</b>
60	DPX mountant (ml)	Merck	<b>500</b>
61	Dyanazyme II Taq DNA polymerase	Thermo scientific	<b>18</b>
62	Exorich (Immunostimulent)- Kg	Thermo scientific	<b>5</b>
63	E. coli culture- DH5 $\alpha$	Thermo scientific	<b>2</b>
64	EDTA - 100 (gram)	Merck	<b>50</b>
65	EDTA (Kg)	Merck	<b>50</b>
66	EDTA Titriplex 100ml	Merck	<b>5</b>
67	Erichrone Black T indicator -100g (Nos.)	Merck	<b>5</b>
68	Erythromycin (Vails)	Himedia	<b>110</b>
69	Ethanol (99 % alcohol) (Litres)	Merck	<b>105</b>
70	Ethanol (Litres)	China	<b>7818</b>
71	Ethanol-500ml (Nos.)	Merck/Haymen	<b>22</b>
72	Ferric chloride (g)	NICE	<b>6250</b>
73	Formaldehyde-Min 37% (Litres)	Merck	<b>318</b>
74	Fructose (Vails)	Merck	<b>5</b>
75	Fungicide (Treflan) (ml)	Merck	<b>300</b>
76	Galactose (Vails)	Himedia	<b>5</b>
77	Glacial Acetic Acid (Litres)	Merck	<b>60</b>
78	Glycerol Purified (Nos.)	Merck	<b>5</b>
79	GS33-Matrix standard (G5 Dye set)	Merck	<b>5</b>
80	Haematoxylin (g)	Merck	<b>10</b>
81	HCG ( Hormone) (Nos.)	Fertigen	<b>70</b>
82	HCL Acid (15 - 20 %-Com) Lit.	Merck	<b>20</b>
83	Hi-Di formamide	Merck	<b>5</b>

84	Hydrogen peroxide 30% (Litres)	Merck	<b>260</b>
85	Hydrogen peroxide-500ml (Nos.)	Himedia	<b>2</b>
86	Indole Nitrate medium (Nos.)	Himedia	<b>2</b>
87	Inositol (Vails)	Himedia	<b>73</b>
88	Iodophore/Iodine (litre)		<b>500</b>
89	Iodophore/Iodine (gram)		<b>1000</b>
90	IPTG-10mg (Nos.)	Thermo scientific	<b>7</b>
91	Isoamyl Alcohol-500ml (Nos.)	Thermo scientific	<b>5</b>
92	Isopropanol-500ml (Nos.)	Merck	<b>10</b>
93	Ivermectin (gram)		<b>200</b>
94	Kovac's Indole reagent (Nos.)	Hi media	<b>1</b>
95	Lactose (Vails)	Himedia	<b>2</b>
96	LB agar-500g (Nos.)	Hi media	<b>7</b>
97	LB broth-500g (Nos.)	Hi media	<b>3</b>
98	Liquid Paraffin (Nos.)		<b>2</b>
99	Liz size standard		<b>2</b>
100	Lysine Decarboxylase broth (Nos.)		<b>2</b>
101	Magnesium Chloride-1ml (25mM) (Nos.)	Thermo scientific	<b>115</b>
102	Magnesium Sulphate (Kg)		<b>5</b>
103	Maltose (Vails)	Hi media	<b>4</b>
104	Manganese chloride (gram)	NICE	<b>3500</b>
105	Manganese sulphate-MnSO <sub>4</sub> (gram)		<b>1000</b>
106	Mannitol (Vails)	Himedia	<b>3</b>
107	Mannose (Vails)	Himedia	<b>3</b>
108	Master Mix (Packs)	Takara	<b>25</b>
109	Methyl Orange Indicator -125ml (Nos.)	"SD Fine"	<b>8</b>
110	Methyl red indicator (Nos.)	Himedia	<b>2</b>
111	Methylene blue (ml)		<b>5</b>
112	Metochlopramide (gram)		<b>5</b>
113	Microlyse (Nos.)	BIO-SHIELD	<b>20</b>
114	MR- VP medium (Nos.)	Hi media	<b>3</b>
115	Mueller Hinton agar (Nos.)	Hi media	<b>2</b>
116	Mueller Hinton Broth (Nos.)	Hi media	<b>2</b>
117	Nalidixic acid (Vails)	Hi media	<b>3</b>
118	Nitrofurantoin (Vails)	Himedia	<b>1</b>
119	Nutrient Agar-500g (Nos.)	Himedia	<b>10</b>
120	Nutrient broth-500g (Nos.)	Hi media	<b>1</b>
121	ONPG (Vails)	Himedia	<b>1</b>
122	Ornithine Decarboxylase broth (Nos.)	Himedia	<b>2</b>
123	O-Tolidine-500ml (Nos.)		<b>32</b>
124	Oxidase disc (Vails)	Hi media	<b>2</b>
125	Oxytetracyclin (Kgs)		<b>63</b>
126	Oxytetracyclin (Vails)	Hi media	<b>3</b>
127	Paraffin wax (Kg.)		<b>70</b>

128	Peptone water - 100 gm. (Nos.)	Hi media	2
129	pH – 10.01 buffer solution -Tablets	Eutek	160
130	pH – 4.01 buffer solution- Tablets	Eutek	160
131	pH – 7 buffer solution- Tablets	Eutek	160
132	Phenol (Litre)	MERK	3
133	Phenolphthalein Indicator -125ml (Nos.)		3
134	Phosphate Buffered saline (Nos.)		4
135	Potassium Chloride (ml)- for DO probe		500
136	Pottassium nitrate KNO <sub>3</sub> (Kg)		150
137	Pottassium permanganate-KMNO <sub>4</sub> (Kg)		30
138	Primers (Labelled and unlabelled) (Base pairs)	Biocorporals	1000
139	Proteinase K (20mg/ml) (Nos.)	Thermo scientific	12
140	Rhodomax (Gut probiotic) - Kg		10
141	Repel silane-100ml (Nos.)	SIGMA	1
142	RNA Later-100ml (Nos)	AMRESCO	16
143	RNase A (10mg/ml) (Nos.)	Thermo scientific	5
144	RNase Away -100ml (Nos.)	Qiagen	2
145	Salinien (Vails)		2
146	Sequencing standard		3
147	Silver Nitrate -25g (Nos.)		3
148	SOC Broth-500g (Nos.)		5
149	Sodium Acetate 3M -100ml (Nos.)		2
150	Sodium alginate (gm)		5
151	Sodium Chloride-500g (Nos.)	Hi media	5
152	Sodium Citrate (Kg)		3
153	Sodium di hydrogen ortho phosphate (Kg)		15
154	Sodium dihydrogen phosphate (Kg)		30
155	Sodium Dodecyl Sulphate-500g (Nos.)		0
156	Sodium Hydroxide (Kg)	Merck	11
157	Sodium Hypochlorite 5 to 10% (Litres)	Merck	160
158	Sodium iodide (Kg)		4
159	Sodium Meta Silicate- (Kg)		12
160	Sodium molybdate (gm)		250
161	Sodium Nitrate (NaNO <sub>3</sub> ) (Kg)	Lab grade	169
162	Sodium Nitroprusside (gm)		500
163	Sodium phosphate (Kg)		50
164	Sodium thiosulphate (gm)	Lab grade	6
165	Soybean Casein Digest agar -500g (Nos.)	Hi media	4
166	Soybean Casein Digest Broth (Nos.)	Hi media	5
167	Starch (gm)		510
168	Sterile Injectin Water - 10ml (Nos.)	Ranbaxy	650
169	Sterimax (Nos.)	BIO-SHIELD	40
170	Sucrose (Vails)		5
171	Sulphonic Acid (Nos.)		5

172	Sulphuric acid (Litres)		<b>18</b>
173	Super phosphate (Kg)		<b>150</b>
174	Supermix DNA ladder (Nos.)		<b>5</b>
175	Surgical Spirit (Litres)	commercial	<b>85</b>
176	TBE Buffer-1Litre (Nos)	Thermofisher/Therm	<b>10</b>
177	TCBS agar-500g (Nos.) - for microbiology	HIMEDIA	<b>39</b>
178	TE Buffer(1X)-10ml	Thermofisher/Therm	<b>2</b>
179	TEMED-100ml	HIMEDIA	<b>1</b>
180	Thiamine hypochloride -Vitamin -B1 (gram)		<b>1</b>
181	Trehalose (Vails)		<b>5</b>
182	Tris Buffer - 500 gm - Merck	Merck	<b>10</b>
183	Tris Acetate EDTA (50X)-500ml	Thermofisher/Therm	<b>5</b>
184	Tris Base-500g	Merck	<b>12</b>
185	Tris-Cl (1M)-100ml		<b>5</b>
186	TRIZMA (PH STABILIZER) (Kg)	SIGMA	<b>20</b>
187	TSI agar (Nos.)		<b>1</b>
188	Urea 40 % - (Vails)		<b>5</b>
189	Urea Agar base- (Nos.)		<b>1</b>
190	Urea-500g (Nos.)	HIMEDIA	<b>40</b>
191	Vital stain(gram)		<b>20</b>
192	Vector –pUC- 18	Thermo scientific	<b>1</b>
193	Vibrio 0129(10 µg) (Vails)		<b>1</b>
194	Vibrio 0129(150 µg) (Vails)		<b>1</b>
195	Virasure (Kg)		<b>27</b>
196	Vitamin B complex (gram)B1 & B12		<b>110</b>
197	Vitamin c -(Ascorbic acid)Kg.	"Wockhardt"	<b>40</b>
198	Vitamin c -500ml (Nos.)		<b>5</b>
199	X-Gal-10mg (Nos.)	Thermo scientific	<b>7</b>
200	Xylene (Litres)	Merck	<b>20</b>
201	Xylose disc (Vails)	Himedia	<b>1</b>
202	YT Broth-500g (Nos.)		<b>5</b>
203	Zinc chloride (gram)		<b>1500</b>
204	Zinc sulphate (gram)		<b>250</b>
205	Zobell Marine agar-(gram)	Hi media	<b>3000</b>
206	α-Naphthalamine solution (Nos.)	Hi media	<b>2</b>
<b>B</b>	<b><u>LAB PCR KIT &amp; OTHER TEST KIT</u></b>		
1	Ammonia Kit API - NH3 - NH4 (nos)	API	<b>300</b>
2	Ammonia Kit - Merck (nos)	Merck	<b>30</b>
3	Alkalinity Test Kit (Nos.)	"Nice"	<b>30</b>
4	Chlorine test kit ( ml)		<b>15</b>
5	Cloning kit-pGEM-T – Easy vector system II (Nos.)	Qiagen/PROMEGA	<b>5</b>
6	cDNA Synthesis Kit (Nos.)	ABI	<b>5</b>
7	Gel Extraction Kit-50 reactions (Nos.)	Qiagen	<b>15</b>
8	Gram staining Kit (Nos.)	Himedia	<b>5</b>

9	Iron water testing kit (Nos.)	API	10
10	IQ Extraction Kit, DTAB-CTAB (Nos.)	Genereach	2
11	PCR Cloning kit (Nos.)	Thermo scientific	2
12	PCR kit - IQ 2000		2
13	PCR kit – IQ 2000 AHPND/EMS (Nos.)	Genereach	20
14	PCR kit – IQ 2000 HPV (Nos.)	Genereach	5
15	PCR kit – IQ 2000 IHHNV (Nos.)	Genereach	20
16	PCR kit – IQ 2000 IMNV (Nos.)	Genereach	20
17	PCR kit – IQ 2000 MBV (Nos.)	Genereach	5
18	PCR kit – IQ 2000 MOV (Nos.)	Genereach	5
19	PCR kit – IQ 2000 NHPB (Nos.)	Genereach	20
20	PCR kit – IQ 2000 PVNV (Nos.)	Genereach	5
21	PCR kit – IQ 2000 TSV (Nos.)	Genereach	20
22	PCR kit – IQ 2000 WSSV (Nos.)	Genereach	5
23	PCR kit – IQ 2000 YHV (Nos.)	Genereach	30
24	PCR kit – IQ Real AHPND/EMS (Nos.)	Genereach	5
25	PCR kit – IQ Real EHP (Nos.)	Genereach	10
26	PCR kit – IQ Real IHHNV (Nos.)	Genereach	5
27	PCR kit – IQ Real IMNV (Nos.)	Genereach	5
28	PCR kit – IQ Real NHPB (Nos.)	Genereach	5
29	PCR kit – IQ Real TSV (Nos.)	Genereach	5
30	PCR kit – IQ Real WSSV (Nos.)	Genereach	5
31	PCR kit – IQ Real YHV (Nos.)	Genereach	5
32	PCR Purification Kit-50 reactions (Nos.)	Thermo scientific	5
33	Hardness Kit (Nos.)	"Nice"	20
34	Ozone test kit (Tablets)	Ozone Test color	15
35	High range pH kit ( pH 6-9) (Nos.)		125
36	Nitrate water testing kit (Nos.)	API kit	200
37	Nitrate water testing kit (Nos.)	Merck	5
38	Nitrite water testing kit (Nos.)	API kit	200
39	pH Indicator (ml)		1000
40	PH Test Kit (Nos)	API salt water kit	200
41	PH Test Kit (Nos)	Merck (1-7)	5
42	PH Test Kit (Nos)	Merck (7-14)	5
43	pH solution	"RanKem"	30
44	Sulfide Test Kit (Nos.)		10
45	Silver staining kit (Nos.)	Himedia	5
46	Tissue Kit for DNA Extraction- 250 reactions (Nos.)	QIAGEN	5
<b>C</b>	<b>HATCHERY/FARM CHEMICALS</b>		
1	2- Phenoxyethanol (Litres)	LOBAL CHEMIE	40
2	Acetocarmine blue (ml)	"SD Fine"	1000
3	Agri. Lime (kg)		13000
4	Ammonex (Kg)		70
5	Ammonia Buffer		10

6	Ammonium sulphate (Kg)	Commercial	50
7	Astaxantin (Commercial Grade)	Commercial	1000
8	Amoxicillin (Kgs)	Commercial	5
9	17-Alpha Methyl Testosterone (grm)	"Sigma Alrich"	75
10	Aqui- S (Litres)	"Clove Oil"	25
11	ALUM NON FERRIC-Kgs	COMMERCIAL	600
12	Bleaching Powder- (Kgs)	"Rayalseema"	8000
13	Burnt Lime(CaO) (kg)		6000
14	Exorich (Immunostimulant) (Kg)		5
15	Gasonex (Kg)	"Growel"	15
16	N:P:K: 17.17.17 (Kg)		1500
17	Calcium hypochlorite- (Kg)Aqua Fit 45 kgs		2500
18	Ciprofloxacin (kg)		50
19	Copper sulphate (KG))		65
20	Cod Liver Oil (Litres)		65
21	Calcium Peroxide (Kg)	"Somu Organo Chem"	100
22	Dolomite(kg)		6100
23	LHRHa (Hormone) (mg)		30
24	HCL Acid (Litres)	commercial	3600
25	EDTA (Commercial grade) (Kg)	commercial	500
26	Fe-EDTA (Commercial Grade) (Kg)	commercial	1000
27	Ferric chloride (Kg.)	commercial	50
28	Fine powdered Salt	commercial	3300
29	Liquid Chlorine (Litres)	commercial	3700
30	Stone Lime (kg)	commercial	100
31	Starch powder (Kg)	commercial	150
32	Sodamix(Bags)	CP brand	100
33	Soap Oil (Litres)		2000
34	Sodium thiosulphate (Kg)	Commercial	350
35	Sodium bicarbonate (Kg)	Commercial	110
36	Sodium Hydroxide (Kg)	Commercial	350
37	Sodium Hypochlorite 5 to 10% (Litres)	Commercial	4050
38	Sodium Nitrite (Kg)	Commercial	400
39	Sodium silicate (Kg)	Commercial	1200
40	Squid Oil / Binding Gel (litres)		300
41	SSP(single super phosphate) (Kg)		400
42	Vitamin -E		10
43	Zeolite ( Kgs)	Clinzex/"Wockhardt"	1200
<b>D</b>	<b>WATER PLAT CHEMICALS</b>		
1	Antiscalent Chemical [Non Commercial]	MEMPHRO CHEM 1100	400
2	Acetic Acid [Non Commercial]	MEMKLEEN 4010	150
3	Alkaline Acid [Non Commercial]	MEMKLEEN 4020	150