

**HLL Biotech Limited**  
**(A Government of India Enterprise)**  
**(A Subsidiary of HLL Lifecare Limited)**  
**HBL/ADM/ARC-CHEM/001/15-16 dated 08<sup>th</sup> May, 2015**

**TENDER FOR SUPPLY OF LABORATORY CHEMICALS AND CONSUMABLES**  
**through ANNUAL RATE CONTRACT**

**INTRODUCTION OF THE COMPANY**

HLL Biotech Limited (HBL) was incorporated as a subsidiary of HBL Lifecare Ltd, a Government of India Enterprise under the Ministry of Health and Family Welfare, Government of India. HBL is conceived to take the lead role in providing products, services and assistance in achieving our country's goals in immunization and eradication of deadly diseases.

HBL is setting up an Integrated Vaccine Complex (IVC) at Chengalpet, an emerging industrial hub in the southern tip of Tamilnadu state. Project outlay for IVC is Rs 6.00 Billion and 75% of the products & services will be designed to meet the targets of the Universal Immunization Policy (UIP) of the country.

This project has been declared as a "Project of National Importance" by the Government of India.

**SCOPE**

The scope should be the supply of Laboratory Chemicals and Consumables for Laboratories through Rate Contract. Supplier may quote for the items as mentioned in the Price Schedule ( *Annexure -IV* )

## 1. **Instruction to Bidders**

- 1.1 The bids are invited on single stage bidding basis. The bid will constitute of Technical cum Financial bid. Technical cum financial bid is to be submitted in a single sealed envelope.
- 1.2 The bid is invited for supply of Laboratory Chemicals and Consumables items through Rate Contract to HBL at HLL Biotech Limited, TICEL Bio Park Campus, Taramani, Chennai-113 as per specification and other details given in the bid document. All bidders who qualify the eligibility conditions as detailed in the bid document are eligible to participate except in the case of firms who are blacklisted / barred by competent agencies or HBL in participation and award of such contracts.
- 1.3 The Rate Contract shall be for a duration of **one year** and is extensible for one more year after review at the same rates and terms & conditions.
- 1.4 Bidders can send their queries and clarifications to address given in clause 1.5, up to three days prior to the due date of bid submission. There is no tender fee.
- 1.5 Bids shall be addressed in the name of **The Chief Executive Officer, HLL Biotech Limited, TICEL Bio-park Campus (Module no. 013-015), CSIR Road, Taramani, Chennai- 600 113 Contact No: 044 22544949/56.** Email: [ramanr@hllbiotech.com](mailto:ramanr@hllbiotech.com). Due date for the submission of bids will be on **22<sup>nd</sup> May 2015 up to 15:30 Hrs.** The bid will be opened on the same day at 16:00 hrs.
- 1.6 Bids shall be valid for 90 days from the date of opening.
- 1.7 The bids should be accompanied with complete specification of the items being supplied along with samples to facilitate evaluation.

## 2. **Mode of submission of Bids**

- 2.1 The bid should consist of the following:
  - a. Bid document should bear signature and seal of the bidder in all pages
  - b. Annexure I to III have to be duly filled, sealed and signed

- c. All other supporting documents and certificates substantiating the bidder's eligibility shall be attached.

2.2 The bid shall be enclosed in a sealed envelope super scribing

**“Tender for supply of Laboratory Chemicals and Consumables through Rate Contract to HBL “**

**“Tender no. HBL/ADM/ARC-CHEM/001/15-16 dated 08<sup>th</sup> May, 2015”**

and shall be addressed to,

**The Chief Executive Officer,**

**HLL Biotech Limited,**

**Ticel Biopark Campus (Module no. 013-015),**

**CSIR Road, Taramani, Chennai- 600 113**

**Contact No: 044 22544949,**

**Fax : 044 22540101.**

2.3 Any bid received after the stipulated time period shall be considered as late tender and will be rejected.

### **3. Minimum Eligibility Criteria**

- a. The bidder in general should possess adequate experience in number of years and sufficient volume of same or similar supplies done in the past 2 years. Purchase order Copies from previous clients for same or similar items should be submitted.
- b. The bidder has to submit documentary proof of prior supply to reputed Government, Public or Private organizations

### **3 Bid Opening and Evaluation**

#### **Opening of Bids by HBL**

Bids received before the dead line of the submission of the bid will be opened on the date and time of opening mentioned in the Bid Data Sheet (BDS). Bidders wishing to be present at the time of such opening may send their duly authorized representative.

### **Preliminary Examination of Bids**

HBL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. HBL will ensure that each bid is from an eligible Bidder. Arithmetical errors will be received on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If a Bidder does not accept the correction of errors, his bid will be rejected. HBL may waive any minor informality, or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

### **Clarifications on Bids**

During the bid evaluation, HBL may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification of historical nature and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

### **Contacting HBL**

From the time of bid opening to the time of Contract award, if any Bidder wishes to contact HBL on any matter related to the bid, he shall do so in writing.

If a Bidder tries to influence HBL directly or otherwise, interfere in the bid evaluation process and the Contract award decision, his bid will be rejected.

### **HBL's Right to Accept or reject any or all Bids**

HBL reserves the right to accept or reject any bid either in part or in full or to annul the bidding process and reject all bids at any time prior to Contract award, without assigning any reason thereof.

### **Notification of Award**

Prior to the expiration of the period of bid validity, HBL will notify the successful Bidder in writing that its bid has been accepted.

The Notification of Award will constitute the formation of the Contract. The purchaser reserves the right to enter into parallel Rate Contract with one or more suppliers.

### **Signing of Contract**

At the same time as HBL notifies the successful Bidder that its bid has been accepted, HBL will send the Contract Form provided in the Bidding Documents to the bidder, incorporating all agreements between the parties. Not more than ten (10) days following receipt of the Contract Form, the successful Bidder shall prepare the contract agreement on a Non Judicial stamp paper of Rs 100/-, with a sign, date and return it to HBL.

In case, the successful bidder does not do so, HBL in its discretion may cancel the bid of the successful bidder and the successful bidder also be liable to pay damages to HBL.

### **4. Bid Evaluation**

Bid determined to be substantially responsive will be checked by HBL for any arithmetic errors and the same will be corrected as follows:

- a. Where there is a discrepancy between the rates in figures and in words, the rates in words will prevail.
- b. Where there is a discrepancy between the unit price and the total price resulting from the multiplying the unit price by the quantity, the unit price as quoted shall prevail.
- c. The tenderer shall quote only in Indian Rupees.

Tenders, where prices are quoted in any other way shall be treated as non-responsive and rejected.

- d. **The Bidder has to quote for all the items in the Price Schedule**

(Annexure IV)

- e. **The Bid shall be evaluated item wise**

#### 5. **Tender Price & Documents**

The prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of the goods should be quoted on FOR HBL Site basis with the detailed breakup of ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST/VAT, CENVAT, Excise Duty etc. already paid or payable on raw material used in the manufacture.

#### 6. **Rejection of bids**

Notwithstanding the above conditions, HBL reserves the right to accept or reject any offer, and to annul the tender process and reject all offers, at any time prior to award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligations to inform the affected Bidder or Bidders of the grounds for HBL's action.

## **TERMS AND CONDITIONS**

### **1. DEFINITION:**

1.1 For the purpose of this contract, the following words and expressions shall have the meaning hereby assigned to them except where the context otherwise requires:-

- i. "HBL" means HLL Biotech Limited, which expression shall unless excluded by or repugnant to the context include HBL's representative.
- ii. "Contractor/ Bidder" Means successful lowest bidder.
- iii. "Consignee" means the organization/person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of dispatch to another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.

### **2. PAYMENT SCHEDULE:**

Payment shall be made as specified in the contract in the following manner:

*100 % payment of the supplies made in a particular month will be paid before 7<sup>th</sup> of the succeeding month*

### **3. TAXES AND OTHER LEVIES**

The quoted price shall be inclusive of all applicable taxes and duties.

### **4. ADDITIONS/DELETIONS**

- 4.1 HBL shall have the right to direct in writing for changes, additions, modifications or deletions in the requirement.
- 4.2 The Contractor/ Bidder shall not make any deviations, alterations, additions, to or omissions from the technical specification given by HBL in the purchase order, except through and with proper approval of HBL.

## **5. TIME SCHEDULE**

- 5.1 The required materials shall be supplied within 2 days from the date of intimation from HBL's representative
- 5.2 The supply shall be carried out as per the time schedule specified above. In case of any delay/default of the Contractor/ Bidder to adhere to the agreed time schedule, HBL shall recover the liquidated damages from the Contractor/ Bidder at the rate of 1% (one percent) of the total amount of fee per week of delay of any activity subject to a maximum of 5% (Five percent) of the total order value. However if there is a purposeful delay by the Contractor/ Bidder, HBL reserves all rights to terminate the rate contract and get the full supply executed at his risk and cost.

## **6. EXTENSION OF TIME**

- 6.1 To adhere to the above mentioned time schedule the Contractor/ Bidder shall provide on demand necessary documents, information and certificates/undertakings to HBL. Any delay in supplying the requisite documents and delay due to any other cause beyond the control of the Contractor/ Bidder shall be considered for grant of extension of time. If the Contractor/ Bidder require extension of time, they shall intimate in writing to HBL within 3 days of the occurrence of such hindrance/delay, along with proper documents.
- 6.2 HBL after satisfying itself about the reasonableness of grounds may grant extension of time, if it is justified and communicated the same in writing. Whenever such extension of time is granted, it would be without prejudice to the rights of HBL for any penal action to the extent of the delay attributable to the Contractor/ Bidder. Any extension of time granted as stated above shall neither entitle the Contractor/ Bidder to any claim for increase in their fees nor shall it release him from any of the obligations under the said agreement.



## **7. ABANDONMENT OF SUPPLY**

- 7.1 If the Contractor/ Bidder/ supplier abandons the Supply for any reason whatsoever or becomes incapacitated as aforesaid, HBL shall be at liberty to make full use of all or any of material supplied by the Contractor/ Bidder/ supplier. The Contractor/ Bidder/ supplier shall also be liable to refund all the charges paid to him up to date plus such damages as may be assessed by HBL including the recovery of liquidated damages.
- 7.2 Provided, however, that in the event of the termination of the agreement under proper notice as provided in the clause hereinafter, the Contractor/ Bidder shall be liable to refund any excess payment made to him over and above which is due to him in accordance with the terms of this agreement, for the supply executed by him till the date of termination of agreement.

## **8. DETERMINATION AND RESCISSION OF TERMS & CONDITIONS**

- 8.1 When the Contractor/ Bidder have made himself liable for action under any of the clauses aforesaid, HBL shall have powers:
- To rescind the agreement.
  - To engage another Contractor/ Bidder to carry out the balance work debiting the Contractor/ Bidder the extra amount, if any, so spent for getting the balance work done. This amount would be in addition to the recovery of liquidated damages.

## **9. GENERAL**

- 9.1 The Contractor/ Bidder shall be fully responsible for the technical soundness of the material and also ensure that the material is supplied as per the specifications.
- 9.2 The Contractor/ Bidder shall indemnify and keep indemnified HLL Biotech Ltd against any such claims and all costs and expenses paid by HBL in defending such claims to be borne by the Contractor/ Bidder.

9.3 The Contractor/ Bidder hereby agrees that HBL shall have the right to take out any of the activities, which in the opinion of HBL is not being performed by the Contractor/ Bidder with due diligence, and within the agreed time schedule, and which can be performed independently. The fees or the expenses incurred shall be debited to the Contractor/ Bidder.

## **10. ARBITRATION**

10.1 All disputes or differences whatsoever arising between the parties out of or relating to the Contractor/ Bidder services, meaning and operations or effect of this contract or the breach thereof shall be settled by arbitration. Matters to be arbitrated upon shall be referred to a sole Arbitrator, to be appointed by HBL and the award made in pursuance thereof shall be binding on the parties. Such arbitration shall be governed by the Indian Arbitration and Conciliation Act 1996.

10.2 The place of arbitration shall be at Chennai.

## **11. FALL CLAUSE**

The prices charged for this particular service/supply under the Contract by the supplier shall in no event exceed the lowest price at which the supplier sells the service/supply of identical description to any person(s)/organization (s) including the Purchaser or any Department of the Central Government or any Department of a State Government or any statutory undertaking of the Central or a State Government, as the case may be, during the period till performance of all Supply Orders placed during the currency of Rate Contract is completed.

**ANNEXURE- I**

**BID DATA SHEET**

<b>S.N</b>	<b>DESCRIPTION</b>	<b>DETAILS</b>
1	Bid reference number	<b>HBL/ADM/ARC-CHEM/001/15-16 dated 08<sup>th</sup> May, 2015</b>
2	Due date for submission	22 <sup>nd</sup> May 15:30 Hrs
3	Name & Address of bidder	
4	Year of establishment	
5	Type of the firm ( tick appropriate)	Public Ltd/Pvt Ltd./Partnership/Regd firm
6	Name & Address of Directors/Partners	1. 2. 3.
7	PAN Number	
8	Contact Phone-Office	
9	Cell	
10	Email	
11	Copy of PAN of Directors/Partners	Attached/Not Attached
12	Past two years Turn Over details	Attached/Not Attached
13	All pages of bid document duly sealed and signed by the authorized person	Attached/Not Attached
14	Power of Attorney/Authorization to sign the bid	Attached/not Attached

**ANNEXURE- II**

**DETAILS OF PAST/ EXISTING CUSTOMERS SUPPLIED IN THE LAST 2 YEARS**

<b>Sl. No.</b>	<b>Name and location of the Client</b>	<b>Item Description ( attachments can be given)</b>	<b>Quantities Supplied</b>	<b>Value in Rs.</b>
1				
2				
3				
4				
5				
6				
7				
8				

**ANNEXURE- III**

**HBL/ADM/ARC-CHEM/001/15-16 DATED 08TH MAY, 2015**

**BID FORM**

Having examined the bidding documents, including amendments of which is hereby acknowledged, we, the undersigned, offer to execute the contract including the supply and delivery of the goods (FOR HBL Site) in full conformity with the said bidding documents for the sum of:

**In Fig:**

**In Words:**

**Brand:**

(Hereinafter called "the Total Bid Price") or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to execute the contract in accordance with the delivery schedule specified in the schedule of requirements.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the Bidding Documents.

We agree to abide by this bid, for the Bid Validity Period specified in the Bid Data Sheet and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated:

Signed by:

In the capacity of

**Annexure IV**

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

Sl	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
1	Chemical	(TBABH)							
2	consumables	10 ml Sterile Syringe	No		Dispovan,				
3	consumables	20 ml Sterile Syringe	No		Dispovan,				
4	consumables	50 ml Sterile Syringe	No		Dispovan,				
5	Chemical	50% Sodium hydroxide Sigma prod no 415413	Pack	1000 ml		1000 ml			
6	Consumable	Absorbent Cotton	Roll	400g		Nett Weight			
7	Consumable	Absorbent Gauze cloth	Roll						
8	Consumable	Absorbent tissue - 30 cm width (100 pieces/Pack)	Roll						
9	Consumable	Absorbent Tissue Paper	Roll	200 g		Roll			
10	Chemical	Acetic acid	Pack	2.5 Litre	Merck, 1000562500				
11	Chemical	Acetic acid	Pack	1 Litre	61866510001730/Merck	HPLC grade			
12	Chemical	Acetic acid glacial	Pack	2.5 Litre/500 ml					
13	Chemical	Acetone	Pack	2.5 Litre/500 ml		AR grade			
14	Chemical	Acetonitrile HPLC Grade, Mobile phase for HPLC applications	Pack	2.5 Litre	Fisher/ A998-212,				
15	Chemical	Acetyl acetone	Pack	500 ml	Merck/1.94515.0521				

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
16	Chemical	Acrylamide	Pack	25 gms	Himedia / MB068	MB grade			
17	Chemical	Acrylamide	Pack	25 gms	Qualigens				
18	Chemical	Adipic acid dihydrazide	Pack	50 gms	Merck, 8416890050				
19	Chemical	Adipic acid Dihydrazide	Pack	500g	Fluka,				
20	Chemical	Agar powder, Bacteriological Grade	Pack	500 g	Himedia / RM666,				
21	Chemical	Agarose	Pack	10 g	Himedia / MB080	MB grade			
22	Consumable	Aluminium cap	No						
23	Consumable	Aluminium foil	Roll						
24	Consumable	Aluminium foil - 15 micron, 300 mm width	No						
25	Chemical	Aluminium hydroxide gel	Pack	500g					
26	Chemical	Aluminium phosphate gel	Pack	500g					
27	Chemical	Ammonium acetate	Pack	500 g	Himedia / MB033	MB grade			
28	Chemical	Ammonium Chloride	Pack	500 gms	Merck, 61750205001730				
29	Chemical	Ammonium chloride	Pack	500 g	Himedia / MB054	MB grade			
30	Chemical	Ammonium dihydrogen orthophosphate	Pack	500 g		AR grade			
31	Chemical	Ammonium Heptamolybdate Tetrahydrate	Pack	100g	Merck /1.93602.0121				
32	Chemical	Ammonium Per Sulphate	Pack	500 gms	Qualigens				
33	Chemical	Ammonium persulphate	Pack	25 gms	Himedia / MB003	MB grade			
34	Chemical	Ammonium sulfate	Pack	5 Kg	Merck, 1.93646.9051	LR grade			
35	Chemical	Ammonium sulphate	Pack	500 g		AR grade			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
36	Chemical	Arabinose Sigma prod no A3256	Pack	25 gms		25 g			
37	Chemical	Ascorbic acid	Pack		Qualigen (165440),				
38	Consumable	Autopipetes/Micropipettes Single channel (Adjustable volume)	No			2-20 µL			
39	Consumable	Autopipetes/Micropipettes Single channel (Adjustable volume)	No			50-200 µL			
40	Consumable	Autopipetes/Micropipettes Single channel (Adjustable volume)	No			100-1000 µL			
41	Consumable	Autopipetes/Micropipettes Single channel (Adjustable volume)	No			1000-5000 µL			
42	Consumable	Autopipetes/Micropipettes tips	Box		Tarsons,	0.2 -10.0 µl			
43	Consumable	Autopipetes/Micropipettes tips	Box		Tarsons,	0 -200 µl			
44	Consumable	Autopipetes/Micropipettes tips	Pack		Tarsons,	0 -200 µl			
45	Consumable	Autopipetes/Micropipettes tips	Box		Tarsons,	200-1000 µl			
46	Consumable	Autopipetes/Micropipettes tips	Pack		Tarsons,	200-1000 µl			
47	Consumable	Autopipetes/Micropipettes tips	Pack		Tarsons,	1000-5000 µl			
48	Chemical	Bacilloid	Pack	5 Litre	NA, NA				
49	Consumable	Bacilloid	Pack						
50	Consumable	Beakers	No		Borosil-1000	Glass-25 ml			
51	Consumable	Beakers	No		Borosil-1000	Glass-50 ml			
52	Consumable	Beakers	No		Borosil-1000	Glass-100 ml			



**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
53	Consumable	Beakers	No		Borosil-1000	Glass-250 ml			
54	Consumable	Beakers	No		Borosil-1000	Glass-500 ml			
55	Consumable	Beakers	No		Borosil-1000	Glass-1000 ml			
56	Chemical	Beta mercaptoethanol	Pack	100 ml	MB041/Himedia	MB grade			
57	Chemical	Beta Mercaptoethanol	Pack	100 mL	Qualigens	100 mL			
58	Chemical	Bisacrylamide	Pack	25 gms	MB005/Himedia	MB grade			
59	Chemical	Blue dextran 2000	Pack			GE Healthcare			
60	Chemical	Bordet Genguo Agar base	Pack	500g					
61	Chemical	Bovine serum albumin	Pack	100 gms	Himedia/GRM3151	Fraction V			
62	Chemical	Bovine serum albumin	Pack	50 gms		2X50 g			
63	Chemical	Bromophenol blue	Pack	5 gms	MB123/Himedia	MB grade			
64	Chemical	Bromophenol Blue	Pack	5 gms	Qualigens	2 x 5 g			
65	Chemical	Buffer STD 4,7 & 10 Solution	Pack	500 ml					
66	Consumable	Burette stand with clamp	No		POLYLAB				
67	Consumable	Burettes	No		Borosil - 2124	Glass-50 ml			
68	Consumable	Butter sheet	Sheet						
69	Chemical	Calcium carbonate	Pack	500 g		AR grade			
70	Chemical	Calcium chloride anhydrous	Pack	500 g		AR grade			
71	Chemical	Calcium chloride dihydrate	Pack	100 gms	MB034/Himedia	MB grade			
72	Chemical	Carbinol	Pack	100 ml	MB154/Himedia	MB grade			
73	Chemical	Casamino acid	Pack	500 gms	BD, 223050				
74	Chemical	Casamino Acid	Pack	500g					
75	Chemical	Casein Enzyme hydrolysate	Pack	500 g	Himedia/MB240	MB grade			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

Sl	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
76	Chemical	CDAP	Pack	1 gms	Research Organics / sigma, RO1458C3				
77	Chemical	Celite 545	Pack	2.5 kg	Merck/sigma, 419931				
78	Consumable	Cellophan Tape	No						
79	Consumable	Cellophan Tape Cutter	No						
80	Consumable	Centrifuge tubes	No		POLYLAB	Polypropylene 15ml			
81	Consumable	Centrifuge tubes	No		POLYLAB	Polypropylene 50 ml			
82	Chemical	Cesium chloride	Pack	100 gms	MB049/Himedia	MB grade			
83	Chemical	Cetavlon	Pack	250 gms	Sigma, H9151-250G				
84	Chemical	Chloroform	Pack	500ml/2.5 Lit					
85	Chemical	Citric acid anhydrous	Pack	500 g	MB174/Himedia	MB grade			
86	Chemical	Citric acid anhydrous	Pack	500 gms	Qualigens	500 g			
87	Chemical	Citric acid trisodium salt dehydrate	Pack	500 gms	Qualigens	500g			
88	Chemical	Citric acid trisodium salt dihydrate	Pack	500 g	MB035/Himedia	MB grade			
89	Chemical	CNBr	Pack	100 ml	Sigma, 261610-100ML				
90	Chemical	Comasive brilliant Blue R250 Qualigens	Pack	25 gms		2 x 25 g			
91	Consumable	Conical/Erlenmeyer flasks	No		Borosil	Narrow mouth (Glass)-25 ml			
92	Consumable	Conical/Erlenmeyer flasks	No		Borosil	Wide mouth-100 ml			
93	Consumable	Conical/Erlenmeyer flasks	No		Borosil	Wide mouth-250 ml			
94	Consumable	Conical/Erlenmeyer flasks	No		Borosil	-500 ml			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
95	Chemical	Coomassie brilliant blue R 250	Pack	5 gms	MB153/Himedia	MB grade			
96	Chemical	Copper sulphate Qualigens	Pack	500 gms		500 g			
97	Chemical	Cromic acid Qualigens	Pack	1 Litre		1 lit			
98	Chemical	Crystal violet	Pack	5g/25g					
99	Chemical	Cupric sulphate pentahydrate	Pack	500 g		AR grade			
100	Chemical	Cyanogen Bromide	Pack		Fluka (16774),				
101	Chemical	Dettol	Bottle	500 mL	NA, NA				
102	Consumable	Dettol	Pack						
103	Chemical	Deuterium oxide	Pack		Sigma (151882-10X0.75ML),				
104	Chemical	Dextrose (Glucose mono hydrate)	Pack	500 gms	Merck, 61780905001730				
105	Chemical	Dextrose monohydrate	Pack	500 g		AR grade			
106	Chemical	Di- ammonium hydrogen phosphate	Pack	500 g					
107	Chemical	Dichloromethane	Pack	500 ml/2.5 Lit	Fischer Scientific (23075),				
108	Chemical	Dimethyl Acetamide	Pack		Fischer Scientific (18305),				
109	Chemical	Dimethyl Barbituric Acid (DMBA)	Pack		Merck Millipore (8421160100),				
110	Consumable	Dimethylsulfoxide - 500 mL	No		sigma,				
111	Chemical	di-potassium hydrogen phosphate	Pack			AR grade			
112	Chemical	Dipotassium phosphate	Pack	100 gms	Merck/Sigma, P3786-100G				
113	Chemical	di-Sodium hydrogen phosphate dibasic dodecahydrate	Pack	500 gms		500 g			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
114	Chemical	Disodium hydrogen phosphate dihydrate	Pack	500 gms	Merck, 61755005001730				
115	Chemical	di-Sodium hydrogen phosphate, anhydrous	Pack	500 g		AR grade			
116	Chemical	Dithizone	Pack	5 gms	Himedia/GRM1816	AR grade			
117	Chemical	Dried bovine haemoglobin	Pack	500 gms	BD Difco, BD 212392				
118	Chemical	EDC	Pack	25 gms	Merck, 341006-25GM				
119	Chemical	EDTA	Pack	500 gms	Qualigens, 118432500				
120	Chemical	EDTA	Pack	500 gms	Qualigens, 118432500				
121	Chemical	EDTA disodium salt, dihydrate	Pack	100 gms		AR grade			
122	Chemical	EDTA tetrasodium salt, dihydrate	Pack	100 gms		AR grade			
123	Consumable	Eppendorf tubes	Pack			with lid 1 ml			
124	Consumable	Eppendorf tubes	Pack			with lid 2ml			
125	Chemical	Ethanol	Pack	2.5 Litre	Merck, 1009832500				
126	Chemical	Ethanol	Pack			MB grade			
127	Chemical	Ethyl Acetate	Pack		Fischer Scientific (23455),				
128	Chemical	Ethyl Dimethyl Aminopropyl Carbodiimide (EDC)	Pack		Sigma (E6383),				
129	Chemical	Ethylene Glycol	Pack	1 Litre	Merck, 96211000				
130	Chemical	Ethylene Glycol	Pack		Fischer Scientific (23405),				
131	Consumable	Extran - Phosphate free	Pack	500ml/5 Lit	Merck,				
132	Consumable	Face Mask - Double ply with Nose clip	No						
133	Consumable	Face mask with nose clip	No						

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
134	Consumable	Face Masks	pkt						
135	Chemical	Ferric chloride Qualigens	Pack	500 gms		500 g			
136	Consumable	Filter Paper Box	Pack		GSWP04700 (Millipore),				
137	Consumable	Flask	No		Borosil	Volumetric flasks Glass-10 ml			
138	Consumable	Flask	No		Borosil	Volumetric flasks Glass-25 ml			
139	Consumable	Flask	No		Borosil	Volumetric flasks Glass-50 ml			
140	Consumable	Flask	No		Borosil	Volumetric flasks Glass-100 ml			
141	Consumable	Flask	No		Borosil	Volumetric flasks Glass-250 ml			
142	Consumable	Flask	No		Borosil	Volumetric flasks Glass-500 ml			
143	Consumable	Flask	No		Borosil	Volumetric flasks Glass-1000 ml			
144	Chemical	Fluid thioglycollate medium	Pack						
145	Chemical	Folin's reagent Merck	Pack	500 ml		500 ml			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
146	Consumable	Forceps	No			Different sizes (SS)			
147	Chemical	Formaldehyde	Pack	500 ml	Qualigens, 12755				
148	Chemical	Formaldehyde	Pack	500 ml	MB012/Himedia	MB grade			
149	Chemical	Formaldehyde	Pack			LR grade			
150	Consumable	Formaldehyde - LR	Pack	500 ml	Merck,				
151	Consumable	Funnel glass	No		Borosil	25 mm			
152	Consumable	Funnel glass	No		Borosil	50 mm			
153	Chemical	GC agar base	Pack	500 gms	BD Difco, BD 228950				
154	Consumable	Glass Cuvatte	Pair			1.5 mL			
155	Consumable	Glass slides	pkt						
156	Consumable	Glass vials	No			10 mL			
157	Consumable	Glassware washing brush - Assorted	No						
158	Consumable	Gloves - Non Sterile,powder free, 6.5 inch	Pair						
159	Consumable	Gloves - Non Sterile,powder free, 7 inch	Pair						
160	Chemical	Glycerol	Pack	500 ml	MB060/Himedia	MB grade			
161	Chemical	Glycine	Pack	100 gms	MB013/Himedia	MB grade			
162	Chemical	Glycine	Pack	100 gms	Qualigens	2 x 100 g			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
163	Chemical	Haemophilus Growth Supplement - A growth supplement recommended for cultivation of Haemophilus influenza	Pack	5 Vial	Himedia / FD117,				
164	Chemical	Haemophilus influenza	No						
165	Chemical	Haemophilus Test Agar Base with added growth supplement	Pack	500 g	Himedia/ M1259,				
166	Consumable	Hand wash (Liquid ) - 225 mL	No		Dettol,				
167	Consumable	Head caps	No						
168	Consumable	Head covers	pkt						
169	Chemical	Hemin	Pack	5 gms	ICN, 219402505				
170	Chemical	Hexamine	pack	500 g	Himedia/GRM1499	AR grade			
171	Chemical	Hydrochloric acid	Pack	500 ml	Merck, 60906005001730				
172	Chemical	Hydrochloric acid	Pack	500ml/2.5 Lit		AR grade			
173	Chemical	Iso propyl alcohol	Pack	10 Litres	NA, NA				
174	Chemical	Iso propyl alcohol	Pack	500 ml					
175	Consumable	Iso propyl alcohol – LR	Pack	500 ml	Merck/ Rankem,				
176	Consumable	Lab spoon/Spatula	No			Different sizes (SS)			
177	Consumable	Laboratory coats (Apron) (Fluid resistant)	No			Small size			
178	Consumable	Laboratory coats (Apron) (Fluid resistant)	No			Medium size			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
179	Consumable	Laboratory coats (Apron) (Fluid resistant)	No			Large size			
180	Consumable	Laboratory coats (Apron) (Fluid resistant)	No			X-Large			
181	Chemical	Lead Nitrate	pack	500g					
182	Chemical	L-Glutamic acid	Pack	250 gms	Merck, 6002900250				
183	Chemical	Lobolene	No	500 ml	Qualigens				
184	Consumable	Lyzol for floor cleaning	Pack						
185	Chemical	Magnesium sulphate hepta hydrate	Pack	500 gms	Merck , 61751705001730				
186	Consumable	Measuring cylinders	No		Borosil	Glass-10 ml			
187	Consumable	Measuring cylinders	No		Borosil	Glass-25 ml			
188	Consumable	Measuring cylinders	No		Borosil	Glass-50 ml			
189	Consumable	Measuring cylinders	No		Borosil	Glass-100 ml			
190	Consumable	Measuring cylinders	No		Borosil	Glass-250ml			
191	Consumable	Measuring cylinders	No		Borosil	Glass-500 ml			
192	Consumable	Measuring cylinders	No		Borosil	Glass-1000 ml			
193	Chemical	MES	Pack	250 gms	Merck, 1061260250				
194	Chemical	Methanol (HPLC grade) Qualigens	Pack	500 mL		2 x 500 mL			
195	Chemical	Methyle orange	Pack	125 ml		indicator			
196	Consumable	Minimal Essential medium Eagle (EMEM) - 1 Lt	No		Sigma,				
197	Chemical	Monopotassium phosphate	Pack	25 gms	Merck/Sigma, P0662-25G				
198	Chemical	Morpholino-Ethanesulfonic Acid (MES)	Pack		Merck (1061260250),				



**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
199	Consumable	New born calf serum (NBCS)- 500 mL, Heat Inactivated, Australian origin	No		PAA, Hyclone,				
200	Chemical	Nitric acid	Pack			AR grade			
201	Consumable	Nitrile gloves	Pair						
202	Consumable	Non-Absorbent Cotton	Pack	500 g		Nett Weight			
203	Chemical	Nutrient broth medium	Pack						
204	Consumable	Octogon Magnetic stir bar	Box	8 x 22 (QXmm)	Tarsons,	Each box contain 10 Nos			
205	Consumable	Octogon Magnetic stir bar	Box	8 x 30 (QXmm)	Tarsons,	Each box contain 10 Nos			
206	Chemical	Orcinol Sigma prod no 08208	Pack	25 gms		2x25 g			
207	Consumable	Paper for wrapping	No						
208	Chemical	Peptone, Bacteriological	Pack		Himedia / RM001,				
209	Consumable	Petri plates 90mm glass sterile disposables	No						
210	Consumable	Petri plates 90mm glass sterilizable	No						
211	Chemical	Phenol Qualigens Cat No. 15615	Pack	500 gms		500 g			
212	Chemical	Phenol red	Pack	125 ml		indicator			
213	Chemical	Phenol red	Pack	25 g					
214	Chemical	Phenylhydrazine HCL	Pack	100 gms					
215	Consumable	Pipette ejector/controller	No			with charger			
216	Consumable	Pipettes	No		Borosil	Glass-1.0 ml			
217	Consumable	Pipettes	No		Borosil	Glass-2.0 ml			
218	Consumable	Pipettes	No		Borosil	Glass-5.0 ml			
219	Consumable	Pipettes	No		Borosil	Glass-10.0 ml			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
220	Consumable	Pipettor stand	No		POLYLAB	Round/Vertical			
221	Consumable	Pipettor stand	No		POLYLAB	Horizontal			
222	Chemical	Potassium chloride	Pack	500 g	MB043/Himedia	MB grade			
223	Chemical	Potassium di-hydrogenorthophosphate monobasic	Pack	500 g		AR grade			
224	Chemical	Potassium di-hydrogenphosphate anhydrus	Pack	500 g					
225	Chemical	Potassium ferricyanide Qualigens	Pack	500 gms		500 g			
226	Chemical	Potassium Iodide	Pack	100 gms		AR grade			
227	Chemical	Pottasium ferricynaide	Pack	500 g		AR grade			
228	Consumable	Powder free Sterile gloves	No			7.5 size			
229	Chemical	Pre stained Marker (10-170 kD) Thermo scientific (fermentas)	Pack			2 x 250 µL			
230	Consumable	Pullulan Stds	No		Shodex, Shodex				
231	Chemical	Pyridlazo naphthoal solution (PAN)	pack						
232	Chemical	Pyridylazonaphthol (PAN)	Pack		Sigma P2297-,	indicator			
233	Consumable	Quarts cuvette	pair			1.5 mL			
234	Consumable	Reagent bottles	No			Glass (Screw capped)-25 ml			
235	Consumable	Reagent bottles	No			Glass (Screw capped)-50 ml			
236	Consumable	Reagent bottles	No			Glass (Screw capped)-100 ml			
237	Consumable	Reagent bottles	No			Glass (Screw capped)-250 ml			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
238	Consumable	Reagent bottles	No			Glass (Screw capped)-500 ml			
239	Consumable	Reagent bottles	No			Glass (Screw capped)-1000 ml			
240	Consumable	Reagent bottles	No			Amber colour (Glass)(Screw capped)-50 ml			
241	Consumable	Reagent bottles	No			Amber colour (Glass)(Screw capped)-100 ml			
242	Consumable	Reagent bottles	No			Amber colour (Glass)(Screw capped)-250 ml			
243	Consumable	Reagent bottles	No			Amber colour (Glass)(Screw capped)-500 ml			
244	Consumable	Reversible rack	No			For 1.5/2.0 ml tubes 80 places			
245	Consumable	Reversible rack	No			For 1.5/2.0 ml tubes 20 places			
246	Chemical	Ribose Sigma prod no R7500	Pack	25 gms		2x25 g			
247	Consumable	Rubber bun	No			Compatible to 10 ml glass vial			
248	Consumable	Safety Glasses	No						
249	Consumable	Self-adhesive autoclave tape	No			18 mm			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
250	Consumable	Separating Funnel stand	No						
251	Consumable	Separating funnel with lid	No						
252	Chemical	Sepharose CL 4B GE	Pack	1000 ml		1000ml			
253	Consumable	Shodex 804 HQ	No		Shodex 804 HQ, Shodex 804 HQ				
254	Consumable	Shodex 805 HQ	No		Shodex 805 HQ, Shodex 805 HQ				
255	Consumable	Shodex SB-G	No		Shodex SB-G, Shodex SB-G				
256	Consumable	Shoe Cover - Anti skid	No						
257	Consumable	Shoe covers	No						
258	Consumable	Shoe covers	No						
259	Chemical	Silver nitrate	Pack	10 gms	MB0156/Himedia	MB grade			
260	Chemical	Silver nitrate	Pack	10 gms	Qualigens	10 g			
261	Chemical	Sodium Acetate	Pack	5 kg	Qualigens, 13908				
262	Chemical	Sodium acetate	Pack	1 kg	Sigma prod no S8750	1 kg			
263	Chemical	Sodium acetate anhydrous	Pack	100 gms	MB048/Himedia	MB grade			
264	Chemical	Sodium Azide Sigma prod no. S8032	Pack	25 gms		2x25 g			
265	Chemical	Sodium bicarbonate	Pack	500 gms	Merck, 1063290500				
266	Chemical	Sodium bicarbonate	Pack	500 gms		AR grade			
267	Chemical	Sodium bicarbonate	Pack	100 gms	MB045/Himedia	MB grade			
268	Chemical	Sodium Borate	Pack	500 gms	Fischer Scientific (13215),				
269	Chemical	Sodium boro hydride	Pack	500 gms	Merck, 8063730500				
270	Chemical	Sodium carbonate	Pack	500 gms		AR grade			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
271	Chemical	Sodium carbonate anhydrous	Pack	500 gms	Merck, 1063950500				
272	Chemical	Sodium chloride	Pack	500 gms	Merck, 60640450001730				
273	Chemical	Sodium chloride	Pack	5 Kg	Merck, 60640450001730				
274	Chemical	Sodium chloride	Pack	500 g		AR grade			
275	Chemical	Sodium chloride	Pack	500 gms	MB023/Himedia	MB grade			
276	Chemical	Sodium Deoxy Cholate	Pack	100 gms	Merck, 10650401001730				
277	Chemical	Sodium di-hydrogen orthophosphate, dihydrate	Pack	500 g		AR grade			
278	Chemical	Sodium Dihydrogen Phospahte dihydrate	Pack	500 gms	Merck, 61784505001730				
279	Chemical	Sodium di-hydrogen phosphate, monohydrate	Pack	500 gms		AR grade			
280	Chemical	Sodium dodecyl sulphate	Pack	100 gms		MB grade			
281	Chemical	Sodium hydroxide	Pack	1 kg	Qualigens, 15898				
282	Chemical	Sodium hydroxide 50 %	Pack		(sigma)				
283	Chemical	Sodium hydroxide pellets	Pack	100 gms	MB095/Himedia	MB grade			
284	Chemical	Sodium hydroxide pellets	Pack	500 g		AR grade			
285	Chemical	Sodium hypochloride Qualigens	Pack	500 gms		500 g			
286	Consumable	Sodium Hypochlorite – LR	Pack	1 Litre	Merck,				
287	Chemical	Sodium Meta per iodate	Pack	250 gms	Merck, 1065970250				
288	Chemical	Sodium metabisulphate Sigma prod No S9000	Pack	500 gms		500 g			
289	Chemical	Sodium potassium tartrate Qualigens	Pack	500 gms		500 g			
290	Chemical	Sodium potassium tartrate Qualigens	Pack	500 gms		500 G			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
291	Chemical	Sodium thiosulphate pentahydrate	Pack	500 gms	Qualigens				
292	Chemical	Sodium thiosulphate, pentahydrate	Pack	100 gms	MB095/Himedia	MB grade			
293	Chemical	Soya bean casein digest medium	Pack						
294	Chemical	Soya-Peptone	Pack	500 gms	Himedia, RM7714	Type -I			
295	Consumable	Sterile Cryovials	No		Tarsons,	4.5 ml			
296	Consumable	Sterile disposable petriplates	No			90 mm x 15 mm (sterile)			
297	Consumable	Sterile Falcone	Pack	50 ml	Tarsons,	25 per pack			
298	Consumable	Sterile membrane filter	No		Millipore/pall,	0.2m, 47mm			
299	Chemical	Sterillium Hands Disinfectant	Bottle	500 mL	NA, NA				
300	Consumable	Stirring rod glass	No			16 x160 mm			
301	Consumable	Stopwatch	No						
302	Chemical	Sucrose	Pack			AR grade			
303	Chemical	Sucrose	Pack	500 gms	MB025/Himedia	MB grade			
304	Chemical	Sulphuric acid	Pack	500 ml/2.5 Lit		AR grade			
305	Consumable	Surgical glove - Sterile,powder free, 6.5 inch	Pair						
306	Consumable	Surgical Gloves - Sterile,powder free, 7 inch	Pair						
307	Consumable	Syringe filters (disposable)	pkt			0.22 μ			
308	Consumable	Syringes	pkt			Disposable 2 ml			
309	Consumable	Table Cleaning towel	No						
310	Chemical	TEMED (Tetramethylethylenediamine)	Pack	100 ml	MB026/Himedia	MB grade			
311	Chemical	TEMED Sigma prod no T22500	Pack	100 ml		100 ml			
312	Consumable	Test Tube	Pack	100 pcs	Borosil/JGSW,	10ml			

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specif ications	Unit Price	Tax %	Total Unit Price
313	Consumable	Test tube stands (Tarson)	No			12 places			
314	Consumable	Test tube stands (Tarson)	No			31 places 13 mm			
315	Consumable	Test tube stands (Tarson)	No			31 places 16 mm			
316	Consumable	Test tubes	No			25 x 200 mm			
317	Consumable	Test tubes	No			25x 200 mm (With cap)			
318	Consumable	Test tubes	No			10 x 13 mm Glass Test Tube 10 X 75 mm (With Rim)			
319	Consumable	Test tubes	No			Test Tube with cap (16 x 125 mm)			
320	Chemical	Tetra Butyl ammonium Borohydrate	Pack		Sigma,				
321	Chemical	Thiomersal	Pack			MB grade			
322	Consumable	Thread	Roll						
323	Consumable	Tissue paper Roll	Roll						
324	Consumable	Tissue rolls	Roll						
325	Chemical	tri - Potassium Citrate	Pack	500g					
326	Chemical	Trinitro Benzene Sulphonic Acid (TNBS)	Pack		Sigma 426288-				
327	Chemical	Tris Qualigens	Pack	100 gms		2 x 100 g			
328	Chemical	Tris Buffer	Pack	100 gms		AR grade			
329	Chemical	tri-Sodium citrate dehydrate	Pack	500 g		AR grade			
330	Consumable	Trypsin 10 X 100 mL	No		PAA/ cell clone,				

**SCHEDULE OF REQUIREMENT & PRICE SCHEDULE**

SI	type	Item Description	UOM	Qty per Pack	Make, Catalogue No.	Remarks/Specifications	Unit Price	Tax %	Total Unit Price
331	Chemical	Tween-80	Pack	500 ml					
332	Consumable	Twine Roll	No						
333	Consumable	UFF centrifugal device	No	50 ml	Pall/Millipore/sartorius,	10 Kda			
334	Consumable	Universal combi rack	No		Tarsons,				
335	Consumable	Universal combi racks	No						
336	Consumable	Vent filter	Pack	Acro 50-4250 - 0.2μ, hose barb	Pall,	1 Pack			
337	Consumable	Vent filter	Pack	Acro 37 TF-4464 - 0.2μ (autoclavable)	Pall,	1 Packs			
338	Chemical	Vetro Glass cleaning solution	Pack	500 ml	Borosil,				
339	Consumable	Volumetric Pipettes	No		Borosil,	Glass-1.0 ml			
340	Consumable	Volumetric Pipettes	No		Borosil,	Glass-2.0 ml			
341	Consumable	Volumetric Pipettes	No		Borosil,	Glass-5.0 ml			
342	Consumable	Volumetric Pipettes	No		Borosil,	Glass-10.0 ml			
343	Consumable	wash bottle	No		POLYLAB	Long tip (Polypropylene) 500 MI			
344	Consumable	Wash Brush Large size	No						
345	Consumable	Wash Brush Medium	No						
346	Chemical	Yeast extract	Pack	500 gms	BD, 212750				
347	Chemical	β-NAD	Pack	1 gms	Sigma, N6522-1G				