



# University of Agriculture, Faisalabad

## Bidding Documents

### Tender No.95/2019

#### **SPECIAL INSTRUCTIONS**

- No cutting, erasing is allowed in the Tender bid.
- Bid offered strictly in accordance with the bid document will only be accepted.
- Only typed bid will be accepted
- Call Deposit Receipt (CDR) will be preferred. However, any other bank instrument may also be accepted except Bank Guarantee. CDR including other instruments will be deposited in the University relevant account and in that eventuality, the release of the requisite amount would be made in shape of crossed cheque after deductions of necessary taxes and bank charges

**THIS IS FOR STRICT COMPLIANCE, FAILING WHICH THE  
RESPECTIVE BID SHALL STAND CANCELLED**

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## **Section I.**

# **Invitation for Bids**



## UNIVERSITY OF AGRICULTURE, FAISALABAD (TENDER NOTICE No.95/2019)

Sealed tenders are invited from Income Tax and Sales Tax registered firms on the basis of Two Stage (one envelop procedure) for the purchase of Chemicals, Glassware, Plasticware etc., through Framework Contract for the financial year 2019-20 at University of Agriculture, Faisalabad. **Only those firms are allowed to participate who will certify that they have their own business/OR having authorized dealership.**

<b>Date of Receiving and Opening 23.05.2019</b>	<b>Receiving Time</b>	<b>02:30 p.m.</b>
	<b>Opening Time</b>	<b>03:00 p.m.</b>
	<b>Bid Security</b>	<b>2% of the Estimated Cost</b>
	<b>Tender Fee</b>	<b>Rs.500/-</b>

1. The bidding documents are available in the office of the Treasurer (**Tender Cell**) and the same may be obtained subject to the payment of the cost of the printing and provision of the document (tender Fee) as mentioned above to be deposited in the University Income Account (No.11-9/NBP, UAF Branch). The bidding documents can also be down loaded free of cost from the UAF website [http://uaf.edu.pk/directorates/dpiv/dpiv\\_tenders.html](http://uaf.edu.pk/directorates/dpiv/dpiv_tenders.html)

2. **The all interested bidders will submit the bids in the Tender Cell, 1st Floor Admn. Block Treasurer's Office, University of Agriculture, Faisalabad (UAF) as per scheduled mentioned above.**

**UMAR SAEED**  
**Director (DPIC)**  
**(For & On behalf of the Committee)**  
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## Section II.

# **Instructions to Bidders**

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## Instructions to Bidders

### A. Introduction

- |                                       |  |
|---------------------------------------|--|
| <b>1. Source of Funds</b>             | University of Agriculture, Faisalabad.   |
| <b>2. Eligible Bidders</b>            | <p>2.1 The invitation for Bids is opened to all supplier having trade relations with Pakistan and registration for National Tax Number &amp; Sales Tax Number with Federal Board of Revenue</p> <p>2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.</p> <p>2.3 Only Government owned enterprises may participate, only if they are legally allowed.</p> <p>2.4 bidders shall not be under a declaration of ineligibility in accordance with ITB 36.1&amp;37 by any Government organization. The bidder shall provide affidavit to this effect.</p> |
| <b>3. Eligible Goods and Services</b> | <p>3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services.</p> <p>3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of goods and services is distinct from the nationality of the Bidder.</p>  |
| <b>4. Cost of Bidding</b>             | <p>4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser named in the bid date sheet, hereinafter referred to as “the purchaser” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.</p>   |

## B. The Bidding Documents

- |  |  |
|--|--|
| <b>5. Content of Bidding Documents</b>       | <p>5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:</p> <ul style="list-style-type: none"><li>(a) Instructions to Bidders (ITB)</li><li>(b) Bid Data Sheet</li><li>(c) General Conditions of Contract (GCC)</li><li>(d) Special Conditions of Contract (SCC)</li><li>(e) Schedule of Requirements</li><li>(f) Technical Specifications</li><li>(g) Bid Form and Price Schedules</li><li>(h) Manufacturer's Authorization Form</li><li>(i) Integrity pact.</li><li>(j) Mechanism of Blacklisting and Deregistration</li></ul> <p>5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.</p> |
| <b>6. Clarification of Bidding Documents</b> | <p>6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing at the Purchaser's address indicated in the <b>Bid Data Sheet</b>. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives prior to the deadline for the submission of bids prescribed in ITB Clause 19.1. Written copies of the Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents.</p>   |
| <b>7. Amendment of Bidding Documents</b>     | <p>7.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.</p> <p>7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.</p> <p>7.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the</p>  |



submission of bids.

### **C. Preparation of Bids**

- 8. Language of Bid**      8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified above, in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Constituting the Bid**      9.1 The bid prepared by the Bidder shall comprise the following components:
- (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
  - (b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
  - (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
  - (d) bid security furnished in accordance with ITB Clause 15.
- 10. Bid Form**      10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 10.2 Bidders tendering for engineering goods produced in Pakistan shall be accorded a price preference in rupees up to a specific percentage (in proportion to the value addition) of the lowest quoted landed cost of an item of foreign origin with similar specifications as mentioned in the tenders:
- (1) Provided that-
    - (a) The saving in foreign exchange is not less than the amount of price preference: and
    - (b) It is ensured that in each case of such preference, the total import requirements for producing the supplies tendered for locally manufactured items has been duly indicated by the bidders.
  - (2) Price preference shall be allowed as under:-

- (a) Having minimum of twenty percent value addition through indigenous manufacturing price preference shall fifteen percent;
- (b) Having over twenty percent and up to thirty percent value addition through indigenous manufacturing, price preference shall be twenty percent, and
- (c) Having over thirty percent value addition through indigenous manufacturing, price preference shall be twenty five percent.

(3) For the purpose of granting a margin of domestic preference bids will be classified into following groups.

**Group.A.** Bids offering engineering goods produced in Pakistan.

**Group.B.** Bids offering good of foreign origin to be imported by the purchaser through the supplier's Local (Pakistan) Agent.

**Group.C.** Bids offering good of foreign origin to be imported by the purchaser directly.

## 11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be entered separately in the following manner or specified otherwise in the Bid Data Sheet:-

a). for goods offered from within Pakistan;

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

b) for goods offered from abroad by the LOCAL AGENT:

the price shall be quoted Cost and Freight (CFR), Carriage Paid to (Duty Paid) (CPT) Karachi seaport or Lahore/Faisalabad airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties and taxes etc. whatsoever expect customs, incidental to

delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad except transit and means of transport through/of Israel. The LC at sight, as on Usance basis and Advance Payment will be governed as per following:-

**i. LC AT SIGHT**

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

**ii. LC ON USANCE BASIS**

In case the bidder, is unable to provide CDR in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported, may chose this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note **within fortnight** to initiate the LC on usance basis (minimum usance period 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading).

**iii. ADVANCE PAYMENT**

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported to proceed for advance payment to the exporter. However, this option will be had where the value of the goods to be imported is up to US \$ 10,000 or varied in accordance with the instructions of the State Bank of Pakistan and Pakistan Customs issued from time to time and remittance will also be made accordingly.

**iv. OPEN ACCOUNT**

In case the bidder has not opted for import through LC (at sight or Usance basis or advance payment) may opt this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. However, remittance will be made maximum up to six months from the date of filing of Goods Declaration (GD) form or otherwise as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

**v. CONTRACT / COLLECTION**

In case the bidder has not opted the options referred to “i to iv” above and may opt for this option. The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. The minimum period for remittance will be 60 days from the date of Airway Bill **OR** 90 days from the date of Bill

of Lading. However, remittance will be made as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

**vi. INCIDENTAL CHARGES FOR IMPORT OF GOODS:**

All charges (Inside/outside Pakistan) like insurance, LC/bank and clearance of consignment from port/custom authorities will be borne by the bidder.

**vii. RELEASE OF CDR**

In case of LC at sight and advance payment to exporter, the CDR equal to 100% amount of the shipment as security will be released by Director (DPIC) after receiving of satisfactory inspection/installation/commissioning report from convener tender committee concerned.

**viii. INITIATION OF REMITTANCE TO THE EXPORTER**

In case of LC on usance basis, import on Open Account and Contract / Collection basis, the Director (DPIC) will initiate remittance through the concern bank to the exporter after receiving the satisfactory inspection/installation/commissioning report from the purchaser or the convener tender committee as the case may be.

**DELIVERY PERIOD**

After receiving the transmitted LC (at sight OR Usance Basis) OR swift acknowledgment against advance payment / proof of advance payment OR supply order on “Open Account” or “Contract / Collection” basis, the local supplier is responsible to provide complete set of shipping documents [i.e. Airway Bill/Seaway Bill/Bill of Lading, Commercial Invoice, Packing List, Country of Origin Certificate and any other document(s) related to shipment (if required) along with detail of bidder’s clearing agent for issuance of authority letter for clearance of consignment from port / custom authorities] *within 6 weeks from the date of opening of LC (at sight or usance basis), advance payment and date of supply order for import of goods on “Open Account” or “Contract / Collection” basis. Moreover, after clearance of consignment by bidder from port / custom authorities, will deliver the consignment to the purchaser along with complete set of post shipment documents within 05 days from the date of Authority Letter.* After expiry of the requisite period, firm will require to apply for extension in delivery period. However, after due scrutiny the Committee may extend the delivery period with liquidated damages as per applicable rate if the delay is on part of the bidder or without liquidated damages if the delay is on the part of the procuring agency or due to “force majeure”.

**NOTE:**

In case of late submission of Proforma Invoice, shipping documents and delivery of goods, difference of exchange rate on higher side as

well as liquidated damages shall be recovered out of belongings of the bidders @ 0.67% of the value of the goods up to maximum 10% of the value of goods.

11.3 The terms CFR, CPT, etc., shall be governed by the rules prescribed in the current edition of *Incoterms* published by the International Chamber of Commerce, Paris or otherwise specified in the Bid Data Sheet and SCC

11.4 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.

11.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

## **12. Bid Currencies**

12.1 Prices shall be quoted in the following currencies:

- (a) For goods and services that the Bidder will supply from within the Purchaser Country, the prices shall be quoted in Pak Rupees, unless otherwise specified in the **Bid Data Sheet**.
- (b) For goods and services that the Bidder will supply from outside the Purchaser Country, the prices shall be quoted in any currency. However the payment will only be made by the purchaser in pak rupees in case of ITB clause 11.2 (b) and SCC.

## **13. Documents Establishing Bidder's Eligibility and Qualification**

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

13.3 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:

- (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or

otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Purchaser Country;

- (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that, in the case of a Bidder not doing business within the Purchaser Country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) that the Bidder meets the qualification criteria listed in the **Bid Data Sheet**.

**14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents**

- 14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.
- 14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
  - (a) a detailed description of the essential technical and performance characteristics of the goods;
  - (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the **Bid Data Sheet**, following commencement of the use of the goods by the Purchaser; and
  - (c) an item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser

in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

## **15. Bid Security**

15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security @ 2% of the Estimated Cost or in the amount specified otherwise in the **Bid Data Sheet**.

15.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

15.3 The bid security shall be denominated in the currency of the bid or in another freely convertible currency, and shall be in one of the following forms:

(a) Call deposit receipt (CDR).

15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as nonresponsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid securities will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 34, and furnishing the performance security, pursuant to ITB Clause 35.

15.7 The bid security may be forfeited:

(a) if a Bidder:

(i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form, or

(ii) does not accept the correction of errors pursuant to ITB Clause 24.2; or

(b) in the case of a successful Bidder, if the Bidder fails:

(i) to sign the contract in accordance with ITB Clause 34; or

(ii) to furnish performance security in accordance with ITB Clause 35.

## **16. Period of**

16.1 Bids shall remain valid for the period specified in the **Bid Data**

**Validity of Bids**

**Sheet** after the deadline date of bid submission prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.

- 16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

**17. Format and Signing of Bid**

- 17.1 The Bidder shall prepare an original bid indicated in the **Bid Data Sheet**, clearly marking each "TECHNICAL BID" and "FINANCIAL BID," as appropriate. In the event of any discrepancy between them, the original shall govern.
- 17.2 The original bid shall be typed and signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

**D. Submission of Bids****18. Sealing and Marking of Bids**

- 18.1 The Bidder shall seal the Technical and Financial Bid in separate envelopes, duly marking the envelopes as "TECHNICAL" and "FINANCIAL." The envelopes shall then be sealed in an outer envelope.
- 18.2 The inner and outer envelopes shall:
- (a) be addressed to the Purchaser at the address given in the **Bid Data Sheet**; and
  - (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: "DO NOT OPEN BEFORE," to be completed with the time and the date specified in the **Bid Data Sheet**, pursuant to ITB Clause



## 22.1.

18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late."

18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid's misplacement or premature opening.

**19. Deadline for Submission of Bids**

19.1 Bids must be received by the Purchaser at the address specified under ITB Clause 18.2 (a) not later than the time and date specified in the **Bid Data Sheet**.

19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

**20. Late Bids**

20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

**21. Modification and Withdrawal of Bids**

21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.

21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. A withdrawal notice may also be sent by fax, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

21.3 No bid may be modified after the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

## **E. Opening and Evaluation of Bids**

**22. Opening of Bids by the Purchaser**

22.1 The Purchaser will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the **Bid Data Sheet**. The bidders' representatives who are present shall sign a register evidencing

their attendance.

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.

22.4 The Purchaser will prepare minutes of the bid opening.

**23. Clarification  
of Bids**

23.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

**24. Preliminary  
Examination**

24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit 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 the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.

24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

24.4 Prior to the detailed evaluation, pursuant to ITB Clause 26, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 31), and Taxes and Duties (GCC Clause 33), will be deemed to be a material

deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**25. Conversion  
to Single  
Currency**

25.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to either:

- (a) Purchaser Country at the selling exchange rate established for similar transactions by the State Bank of Pakistan and National Bank of Pakistan or specified otherwise;

25.2 The currency selected for converting bid prices to a common base for the purpose of evaluation is Pak Rupees to be converted as per rate of the bank shown in ITB 25.1 (a) on the date of opening of the financial bid or specified otherwise in the **Bid Data Sheet**.

**26. Evaluation and Comparison of Bids**

26.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

26.2 The Purchaser's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the **Bid Data Sheet**, and quantified in ITB Clause 26.3:

- (a) delivery schedule offered in the bid;
- (b) deviations in payment schedule from that specified in the Special Conditions of Contract;
- (c) the cost of components, mandatory spare parts, and service;
- (d) the availability in the Purchaser's country of spare parts and after-sales services for the equipment offered in the bid;
- (e) the projected operating and maintenance costs during the life of the equipment;
- (f) the performance and productivity of the equipment offered; and/or
- (g) other specific criteria indicated in the **Bid Data Sheet** and/or in the Technical Specifications.

26.3 For factors retained in the Bid Data Sheet pursuant to ITB 26.2, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

- (a) *Delivery schedule.*
  - (i) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the **Bid Data Sheet**, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.
- (b) *Deviation in payment schedule.*
  - (i) The SCC stipulates the payment schedule offered by the Purchaser. If a bid deviates from the schedule it will be considered as non-responsive bid.

(c) *Cost of spare parts.*

- (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation shall be specified by the bidder. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

**or**

- (ii) The bidder will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.
- (d) *Spare parts and after sales service facilities in the Purchaser's country.*

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, if outlined in the **Bid Data Sheet** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(e) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the **Bid Data Sheet** or in the Technical Specifications.

(f) *Performance and productivity of the equipment.*

- (i) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid or otherwise specified in the **Bid Data Sheet** or in the Technical Specifications.

(g) *Specific additional criteria*

Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the **Bid Data Sheet** and/or the Technical Specifications.

**26.4. Delivery Schedule.**

As mentioned in Bid Data Sheet.

**27. Domestic Preference**

- 27.1 If the **Bid Data Sheet** so specifies, the Purchaser will grant a margin of preference to goods manufactured in the Purchaser's country for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs, provided the Bidder shall have established to the satisfaction of the Purchaser that its bid complies with the criteria specified in ITB Clause 10.2 (a):
- 27.2 The Purchaser will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules, pursuant to ITB Clauses 10 and 11.
- 27.3 All evaluated bids in each group will then be compared among themselves to determine the lowest evaluated bid of each group. The lowest evaluated bid of each group will next be compared with the lowest evaluated bids of the other groups. If this comparison results in a bid from Group A or Group B being the lowest, it will be selected for contract award.
- 27.4 If, as a result of the preceding comparison, the lowest evaluated bid is from Group C, all Group C bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of the imported goods offered in each Group C bid, for the purpose of this further comparison only:
- (a) the amount of customs duties and other import taxes that a nonexempt importer would have to pay for the importation of goods offered in each Group C bid;

If the Group A bid in the further comparison is the lowest, it will be selected for award. If not, the lowest evaluated bid from Group C, as determined from the comparison under ITB Clause 27.3 above, will be selected for award.

**28. Contacting the Purchaser**

- 28.1 From the time of bid opening to the time of contract award, if any bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.



## **F. Award of Contract**

### **29. Post-qualification**

- 29.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 29.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Purchaser deems necessary and appropriate.
- 29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

### **30. Award Criteria**

- 30.1 Subject to ITB Clause 32, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

### **31. Purchaser's Right to Vary Quantities at Time of Award**

- 31.1 The Purchaser reserves the right at the time of contract award to increase or decrease, as per requirement, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

- 32. Purchaser's Right to Accept Bid and to Reject All Bids**
- 32.1 The Purchaser reserves the right to accept bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders.
- 33. Notification of Award**
- 33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify/inform the successful and unsuccessful Bidder in writing by letter or by Fax/ e-mail, or telephonically, that its bid has been accepted and unaccepted as the case may be.
- 33.2 The notification of award will constitute the formation of the Contract.
- 33.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 35, the Purchaser will discharge bid security to each unsuccessful Bidder on his written request, pursuant to ITB Clause 15.
- 33.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder.
- 34. Signing of Contract**
- 34.1 After 10 days from the announcement of evaluation report, the Purchaser will send supply order or Formal Contract as the case may be to successful bidder. In case of formal contract, the successful bidder will send back the contract to the purchaser duly signed within 7 days from the issuance date. Failing which the Purchaser reserves the right under ITB Clause 15.7.
- 35. Performance Security**
- 35.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of any bank instrument as desired in Page # 1 of Bidding Document. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately and the bid security will be retained to meet the requirement of performance security.
- 35.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 35.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids.
- 36. Corrupt or Fraudulent Practices**
- 36.1 The purchaser as well as Bidders/Suppliers/Contractors should observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the PPRA Govt. of the Punjab;

- (a) the terms set forth below as follows:
  - (i) “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
  - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) The Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a University Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University Contract.

36.2 Furthermore, Bidders shall be aware of the provision stated in Clauses 5.4 and 24.1 of the General Conditions of Contract.

**37.Blacklisting/37.1** the Purchaser reserves the right to blacklist or deregister (may impose Permanent or temporary bar for participation in the procurement proceedings respectively) the bidder as follows:-

- (a) **Blacklisting:** The bidder who
  - (i) Fail to perform contractual obligations or the performance under the contract is not upto the mark;
  - (ii) Found to be indulging in corrupt or fraudulent practices;
  - (iii) Commit an action causing or liable to cause loss to the University;
  - (iv) Furnish false information;
- (b) **Deregistration:** The bidder who
  - (i) Submit bid as employee of the firm, or proprietor or shareholder being an employee of the University;
  - (ii) Show non-responsive attitude in case of summoning by the University.

- (iii) Back out from their offers after opening of tender;
- (iv) Misbehave with the University employee;

37.2 The bidder shall provide affidavit that the firm was not declared blacklisted or deregistered by any of the Federal and Provincial Government institution.

## **Section III.**

# **Bid Data Sheet**

## Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

<b>A-Introduction</b>	
<b>ITB 2.1</b>	The invitation for Bids is opened to all suppliers having registration for National Tax Number & Sales Tax Number with Federal Board of Revenue.
<b>ITB2.3</b>	Government owned enterprises may participate, only if they are legally allowed.
<b>ITB 2.4</b>	In addition to the contents of ITB 2.4 the bidder shall not be blacklisted by any organization of the Government of the Punjab as well as Federal Government. The bidder shall provide affidavit to this effect.
<b>B- Bidding Documents</b>	
<b>ITB 5.1(h)</b>	Not applicable
<b>ITB 6.1</b>	<p>Purchaser's address: Prof. Dr. Zahir Ahmad Zahir, Institute of Soil &amp; Environmental Sciences through</p> <p style="color: red;">Directorate of Procurement &amp; Inventory Control (DPIC) University of Agriculture, Faisalabad Phone No. 041-9200898</p> <p style="color: red;"><b><u>FOR TECHNICAL RESPONSE:</u></b></p> <ul style="list-style-type: none"> <li>i. Prof. Dr. Zahir Ahmad Zahir, Institute of Soil &amp; Environmental Sciences</li> <li>ii. Dr. Shah Nawaz ul Rehman, Assistant Professor, CABB</li> <li>iii. Dr. Ghulam Mustafa, Assistant Professor, CABB</li> </ul>
<b>C-Preparation of Bid</b>	
<b>ITB 8.1</b>	Language of the bid. <b>"English"</b>
<b>ITB 11.2</b>	Prices on F.O.R. basis is required
<b>ITB 11.2 (c)</b> <b>ITB 11.3</b>	Not applicable
<b>ITB 13.3 (d)</b>	<p>Qualification requirements attached with Technical Bid:-</p> <p><b>1. Company /Bidder Profile:</b></p> <ul style="list-style-type: none"> <li>a. Experience in the relevant field minimum 3 Years</li> <li>b. HR strength/Manpower with the Bidder</li> <li>c. Technical expertise with the bidder</li> <li>d. Sound financial position (minimum balance of Rs. 0.5 million as on closing date of the tender)</li> <li>e. Name of owner/proprietor</li> </ul>

	<p>f. Copy of CNIC</p> <p>g. Date of Establishment, Age of Firm</p> <p>h. Copy of NTN and Sales Tax Registration</p> <p>i. Income Tax &amp; Sales Tax Returns for Tax year 2018</p> <p>j. Copy of Professional Tax</p> <p>k. Affidavit (Submission of undertaking on legal valid stamp paper (valuing Rs.100/-) that the firm not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan</p> <p>l. <b>Only authorized Direct and Indirect genuine source suppliers are eligible</b></p>
ITB 15.1	<p><u>Amount of bid security.</u></p> <p>2% of the Estimated Cost in shape of Call Deposit Receipt (CDR) in favour of Director (DPIC), UAF to be attached with the technical Bid. However, if attached with financial bid, please mention CDR No., Date and Bank Name</p>
ITB 16.1	Bid validity period. 90 Days
ITB 17.1	Bid: Single Stage (two envelop procedure)
<b>D-Submission of Bid</b>	
ITB 18.2 (a)	Address for bid submission. Directorate of Procurement & Inventory Control, University of Agriculture, Faisalabad
ITB 18.2 (b)	Tender Notice No.95/2019
ITB 19.1	Deadline for bid submission.23.05.2019
<b>E-Bid Evaluation</b>	
ITB 25.1(a)	State Bank or a Commercial Bank to be read as State Bank of Pakistan and National Bank of Pakistan
ITB 25.2	The common base currency is PAK Rupee to be converted as per rate of the bank shown in ITB 25.1(a) of the bid data sheet on the date of opening of the financial bid.
ITB 26.3 (a)(i)	The SCC stipulates the payment schedule offered by the purchaser. If a bid deviates from the schedule then it will be considered as non-responsive.
ITB 26.3 (c)	The bidder will provide the cost of spare parts required to be replaced during whole life of the goods after the expiry of warranty period.
ITB 26.3 (e)	<p>The bidder will provide :-</p> <p>i) Cost of consumables</p> <p>ii) Unit of energy consumption per hour</p> <p>iii) Life cycle of the goods</p>
ITB 26.3 (f)	<p>Performance and productivity of Articles.</p> <p>As per Technical Specification</p>
ITB 26.3 (g)	As per specification.
ITB 27	As per ITB clause 10.2 prior to the award of procurement contract
ITB 33	Subject to PPRA Rule 2014/UAF Procurement Rule 2014, the bidder with the lowest evaluated bid, if not in conflict with any other law, shall be awarded the procurement contract within the original or extended bid validity period after 10 days of announcement of the evaluation report.

## **Section IV.**

### **General Conditions of Contract**



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## General Conditions of Contract

### 1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, or the supply order issued by the purchaser to the supplier, as the case may be, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
- (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) “GCC” means the General Conditions of Contract contained in this section.
- (f) “SCC” means the Special Conditions of Contract.
- (g) “The Purchaser” means the organization purchasing the Goods, as mentioned in Bid Data Sheet.
- (h) “The Purchaser’s country” is **Pakistan**.
- (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract and **named in Supply Order**.
- (j) “The University” means the **University of Agriculture, Faisalabad**.
- (k) “The Project Site,” where applicable, means the place or places **named in Bid Data Sheet and technical specifications**
- (l) “Day” means calendar day.

- 2. Application**            2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.
- 3. Country of Origin**        3.1 All Goods and Services supplied under the Contract shall have their origin in the countries as elaborated in the **Technical Specifications**.
- 3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 4. Standards**                4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of Contract Documents and Information; Inspection and Audit by Purchaser**            5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser.
- 5.4 The Supplier shall permit the Purchaser to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Purchaser, if so required by the Purchaser.

- 6. Patent Rights**      6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.
- 7. Performance Security**      7.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of CDR at the discretion of the Purchaser in the amount **specified in SCC**. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately, it will be retained or deducted from the bidder's claim on bidder's choice.
- 7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser and shall be in one of the following forms:
- (a) CDR issued by a reputable bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser.
- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.
- 8. Inspections and Tests**      8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. **SCC** and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no

charge to the Purchaser.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

## **9. Packing**

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.

## **10. Delivery and Documents**

- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.
- 10.2 For purposes of the Contract, "CFR," "CPT", the terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.
- 10.3 Documents to be submitted by the Supplier are **specified in SCC**.

**11. Insurance**

- 11.1 The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner **specified in the SCC**.
- 11.2 Where delivery of the Goods is required by the Purchaser on a CFR or CPT basis, the Purchaser shall arrange and pay for cargo insurance, naming the supplier as beneficiary.

**12. Transportation**

- 12.1 Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.2 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.3 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, defined as the Project Site, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 12.4 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, no restriction shall be placed on the choice of carrier. Where the Supplier is required under Contract (a) to deliver the Goods FOB or FCA, and (b) to arrange on behalf and at the expense of the Purchaser for international transportation on specified carriers or on national flag carriers of the Purchaser's country, the Supplier may arrange for such transportation on alternative carriers if the specified or national flag carriers are not available to transport the Goods within the period(s) specified in the Contract.

**13. Incidental Services**

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in SCC**:

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

**14. Spare Parts**

14.1 As **specified in SCC**, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

**15. Warranty**

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in

design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

- 15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless **specified otherwise in SCC.**
- 15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in notice or in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in the notice or in SCC, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

## 16. Payment

- 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be **specified in SCC.**
- 16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, **but in no case later than thirty (30) days** after submission of an invoice or claim by the Supplier.
- 16.4 The currency or currencies in which payment is made to the Supplier under this Contract shall be **specified in SCC** subject to the following general principle: payment will be made in the currency or currencies in which the payment has been requested in the Supplier's bid.
- 16.5 All payments shall be made in the currency or currencies



specified in the SCC pursuant to GCC 16.4.

**17. Prices**

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments **authorized in SCC** or in the Purchaser's request for bid validity extension, as the case may be.

**18. Change Orders**

18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 32, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

**19. Contract Amendments**

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

**20. Assignment**

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.

**21. Subcontracts**

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

**22. Delays in the Supplier's Performance**

- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Director (DPIC) in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Director (DPIC) shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

**23. Liquidated Damages**

- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in SCC**. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

**24. Termination for Default**

- 24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
  - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

## **25. Force Majeure**

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

## **26. Termination for Insolvency**

26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of

action or remedy which has accrued or will accrue thereafter to the Purchaser.

**27. Termination  
for  
Convenience**

27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Settlement of  
Disputes**

28.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

28.2 If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

28.2.1 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

28.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC.**

28.3 Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise

agree; and

- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

## **29. Limitation of Liability**

29.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6,

- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

## **30. Governing Language**

30.1 The Contract shall be written in the language **specified in SCC**. Subject to GCC Clause 31, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

## **31. Applicable Law**

31.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise **specified in SCC**.

## **32. Notices**

32.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or facsimile and confirmed in writing to the other party's address **specified in SCC**.

32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## **33. Taxes and Duties**

33.1 A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country and purchaser's country as **specified in SCC**.

33.2 A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

## **Section V.**

### **Special Conditions of Contract**

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## SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

### 1. Performance Security (GCC Clause 7)

GCC 7.1—

- A. For goods offered from within Pakistan and abroad by the local agent by Pakistan:

the successful Bidder shall furnish the performance security @ 10% for the warranty period of one year of the value of Supply Order or Contract in shape of CDR or any bank instrument except bank guarantee in favour of Director (DPIC), UAF within Seven (07) days from the issuance of acceptance and 10% performance security letters from the Purchaser for permanent equipment. In case the amount of bid security is equal or greater than the value of the performance security, then the bidder shall not require to furnish the performance security separately.

- B. 2% CDR or any bank instrument except bank guarantee in favour of Director (DPIC) already received in lieu of earnest money in case of general type/consumable good(s) will be retained by the office for 3 month from the day of supply of the respective good(s) or fully consumed whichever is earlier.

### 2. Inspection and Tests (GCC Clause 8)

GCC 8.1- By the concerned purchaser in accordance with the specifications or samples or both as required.

3. The representative of the firm(s) shall present the Authority Letter from the respective firm in the tender opening meetings with them, failing which he will not allowed to sit in the said meeting

### 4. Warranty (GCC Clause 15)

GCC15.2&15.4: One year free of cost labour and material etc. at site from the date of commissioning of goods.

### 5. Bid Prices (11.2 ITB)

- a). **for goods offered from within Pakistan;**

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

- b) **If the firm quoted the rates on CFR/CPT basis, the firm is bound to quote the FOR prices also**

### 6. Payment (GCC Clause 16)

### 7. Prices (GCC Clause 17)

GCC17.1: The successful bidder(s) shall provide the price reasonability certificate to the effect that the rates quoted are reasonable in accordance with the market. If it is found at any stage, the quoted rates are higher than the market ones or the item(s) have been provided to any other Institute/Department etc at less rates than the quoted ones. The firm undertakes to refund the difference amount to the purchaser on demand.

### 8. Change Orders (GCC Clause 18)

Not applicable



9.      **Liquidated Damages (GCC Clause 23)**

GCC 23.1—Applicable rate:  
The liquidated damages, if imposed, will be recovered at the rate of upto0.67% of the value of goods supplied/installed/commission late per day or a part of a period exceeding the original delivery period, subject to the provision that the total liquidated damages thus imposed will not exceed 10% of the total value of the goods delivered/installed/commission late.

10.     **Settlement of Disputes (GCC Clause 28)**

The settlement of dispute will be settled in accordance with mechanism for redresal of grievances and settlement of dispute as specified below:-

Complaints of bidder/contractor shall be disposed/settled by a committee and arbitration prior to the entry into force and after into force of procurement contract respectively. Accordingly, grievances committee with powers and terms of reference and method of arbitration are as under:-

**A.      Grievances Committee:**

The committee comprises the following to address the complaints of the bidders prior to entry into force of the procurement contract:-

- |      |  |             |
|------|--|-------------|
| i.   | The Treasurer  | (Convener)  |
| ii.  | Prof. Dr. Zahir Ahmad Zahir,<br>Institute of Soil & Environmental Sciences               | (Member)    |
| iii. | Resident Auditor or the Technical Expert(s) not<br>below the rank of Assistant Professor | (Member)    |
| iv.  | The Director (DPIC)  | (Secretary) |

Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances not later than 10 days after the announcement of the bid evaluation report under rule 37 of the UAF Procurement Rules 2014.

The committee shall address the complaints of bidders that may occur prior to the entry into force of the procurement contract. The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

Any bidder not satisfied with the decision of the committee may lodge an appeal in the relevant court of jurisdiction.

**B.      Arbitration:**

After coming into force of the procurement contract, all matters of dispute or difference except regarding rejection of goods by the Inspector under GCC clause 8 (Standard Bidding Document) or cancellation of the contract by the Purchaser, under GCC Clause 24 and 27 (Standard Bidding Document) arising out of the agreement between the parties thereto, the settlement of which is not otherwise specially provided for in contract agreement, shall be referred to arbitration as under:-

**(a) Foreign Currency Contracts (CFR/CPT, etc.) made directly with Foreign Principal / Manufacturer**

- The dispute shall be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree, a judge of the Superior Court will be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistan Law.
- The venue of arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.
- Arbitration award so given will be firm and final.

**(b)Indigenous (FOR) contracts**

The settlement of dispute, if not otherwise especially provided for in the contract shall be referred for the decision of Vice Chancellor, University of Agriculture, Faisalabad. His decision shall be final and binding on both the parties. The work under the contract shall if reasonably possible continue, under the proceedings before the Vice Chancellor and no account of such proceeding unless they are subject of the dispute.

Note:

- The arbitration award shall be recorded in writing.
- CFR/CPT, etc., contracts made through local agents would be dealt under sub para-B (b) above.

**(c) Prior Notice for arbitration:**

If the supplier intends to go for arbitration, he shall have to give 30 days notice in writing informing the purchaser of his intention to refer to the points of differences or dispute of arbitration. He shall have to define clearly the point of difference and or dispute in his notice.

**C. Court Jurisdiction**

Only the Courts at Faisalabad shall have exclusive jurisdiction to adjudicate upon any “lis” brought by either of the parties in relation to the contract.’

**11. Applicable Law (GCC Clause 31)**

GCC 31.1—UAF Procurement Rules 2014 and Laws governing in Pakistan

**12. Notices (GCC Clause 32)**

GCC 32.1: The Supplier shall provide address for notice purposes:

**13. Taxes and Duties (GCC Clause 33)**

**14. Stamp Act**

In accordance with the Stamp Act 1899 amended from time to time, the contractor shall require to affix stamp duty @ 25 paisa per hundred rupees on the value of the contract.

Section VI.

Schedule of Requirements

Schedule of Requirements

Number            Description                            Quantity            Delivery schedule:

Sr. #	Description	Quantity	Estimated Cost
1.	Chemicals, Glassware & Plasticware etc.	Mentioned in technical specifications available at page 54 of the bidding document	Mentioned in technical specifications available at page 54 of the bidding document

Section VII.

Technical Specifications

**TECHNICAL SPECIFICATIONS**

The bidder shall quote the goods along with the serial number mentioned below against each and also provide soft copy in Excel Sheet without price. The quoted goods shall have point to point commentary.

**List of Chemical/glassware/Plasticware**

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Acetone	Analytical	8222512500	7.5L	8400
<a href="#"><u>2</u></a>	Methanol	Analytical	8222832500	2.5 L	1600
<a href="#"><u>3</u></a>	ammonia solution max 33%	Analytical	1054322500	2.5 L	3000
<a href="#"><u>4</u></a>	Acetic acid	Analytical	1000632510	5 L	10126
<a href="#"><u>5</u></a>	Phenol Reagent	Analytical	1597	1 Kg	1275.00
<a href="#"><u>6</u></a>	CoSO4	Analytical	1297	1 Kg	19000
<a href="#"><u>7</u></a>	Phenol Red	Analytical	1072410005	5gm	5175
<a href="#"><u>8</u></a>	Safranin 0	Analytical	S88	25 gm	1696
<a href="#"><u>9</u></a>	Rose bengal GPR	Analytical	414855.121	500 gm	24231.6
<a href="#"><u>10</u></a>	3,5 Dinitroisalicylic Acid	Analytical	5146	25 gm	5000
<a href="#"><u>11</u></a>	Dimetfn i Sulfoxide	Anal\tical	1380	1L	1813.5
<a href="#"><u>12</u></a>	Ninhydrin	Analytical	1.949194.0026	50 gm	10800
<a href="#"><u>13</u></a>	Xylene	Analytical	1.94600.2521	2.5 L	2160
<a href="#"><u>14</u></a>	Immersion Oil	Analytical	A3494.0500	500 ml	8915
<a href="#"><u>15</u></a>	hydrochloric acid	Analytical	1133	5Kg	3500
<a href="#"><u>16</u></a>	HEPES Free Add	Analytical	5310	200 gm	6655
<a href="#"><u>17</u></a>	Acetonitrile	Analytical	546	2L	5500
<a href="#"><u>18</u></a>	Formaline Pure	Analytical	3955	2.5 L	2250
<a href="#"><u>19</u></a>	Iodine Crystal	Anal) tical	232	200 gm	8848
<a href="#"><u>20</u></a>	Iron chloride anhydrous	Analytical	8039451000	2 kg	11600
<a href="#"><u>21</u></a>	Ethyienediaminetetracetic Acid	Analytical	204	3 Kg	18144
<a href="#"><u>22</u></a>	Tetracosane	Analytical	8210890025	25 gm	6180
<a href="#"><u>23</u></a>	Pbenanthrene	Analytical	8221220250	250 gm	33194
<a href="#"><u>24</u></a>	Anthracene	Analytical	8201090100	100 gm	5418
<a href="#"><u>25</u></a>	chitin from Shrimp shell	Analytical	C7170-100G	300 gm	68400
<a href="#"><u>26</u></a>	Potassium standard solution	Analytical	1702300500	2 L	14384
<a href="#"><u>27</u></a>	sooium standard solution	Analytical	1702380500	2 L	13672
<a href="#"><u>28</u></a>	calcium sulphate	Analytical	4027	1 kg	1228
<a href="#"><u>29</u></a>	poly ethylene Glycol	Analytical	2277	1 Kg	2500
<a href="#"><u>30</u></a>	Zinc oxide	Analytical	2647	l kg	1696
<a href="#"><u>31</u></a>	Potassium dichromate	Analytical	422	2 kg	5616
<a href="#"><u>32</u></a>	Oi ammonium oxalate	Analytical	1011920250	250 pm l	5205
<a href="#"><u>33</u></a>	Ammonium acetate	Analytical	1011151000	l 5 Kg	22366
<a href="#"><u>34</u></a>	1 Ascorbic acid powdered	Analytical	832	500 gm	3861
<a href="#"><u>35</u></a>	Sodium dihydrogen phosphate dihydrochloride	Analytical	1063420250	1 kg	16820
<a href="#"><u>36</u></a>	D-biotin	Analytical	8510230001	2 gm	91040
<a href="#"><u>37</u></a>	tetramethyl p phenylene di amine dlhydrochloride	Analytical	8211010005	5 gm	5923
<a href="#"><u>38</u></a>	anthrone	Analytical	1014680010	10pm	11107
<a href="#"><u>39</u></a>	crystal violet	Analytical	1014080025	50 gm	10490
<a href="#"><u>40</u></a>	Bromocresol green	Analytical	1013	50 gm	13000.00
<a href="#"><u>41</u></a>	Congorot	Analytical	1013400025	100 gm	20918
<a href="#"><u>42</u></a>	L Proline	Analytical	8160190100	200 gm	29658
<a href="#"><u>43</u></a>	methyl red	Analytical	1060780100	100 gm	62077

<a href="#">44</a>	p-nitro phenol	Analytical	78	1 1 kg	7134
<a href="#">45</a>	Gallic Acid	Analytical	842649.025	250 gm	16464
<a href="#">46</a>	ammonia	Analytical	1054322500	2.5 L	3000
<a href="#">47</a>	10 X TAE buffer	Analytical	8720	4 L	8506.3
<a href="#">48</a>	tris hydrochloride	Analytical	9310	1 Kg	10066
<a href="#">49</a>	Barium chloride dehydrate	Analytical	1017171000	1 kg	10932
<a href="#">50</a>	tryptic soya broth	Analytical	1.05459.0500	2 kg	14400
<a href="#">51</a>	Sodium Salinite	Analytical	1497	25 gm	1500
<a href="#">52</a>	methyl red	Analytical	1505	25 gm	1133
<a href="#">53</a>	bromothymol blue	Analytical	1019	25 gm	3000
<a href="#">54</a>	Chromotropic Acid Sodium Salt	Analytical	4945	25 gm	10750
<a href="#">55</a>	1,5 Diphenylcarbazid	Analytical	4210	25 gm	3393
<a href="#">56</a>	sliver nitrate	Analytical	900	10 mg	13560
<a href="#">57</a>	mercury (Ii) chloride	Analytical	2175	1 kg	45630
<a href="#">58</a>	potassium antimony (iii) oxide tartrate hemihydrate	Analytical	343	250 gm	7644
<a href="#">59</a>	sodium mtroprusside dihydrate	Analytical	1.94924.0121	100 gm	3600
<a href="#">60</a>	potassium hydrogen phthalate	Analytical	1051041000	2 kg	5900
<a href="#">61</a>	ammonium metavenadate	Analytical	4608	500	6669
<a href="#">62</a>	LE AD 2 Carbonate	Analytical	1205	500 gm	4000
<a href="#">63</a>	ammonium hydrogen carbonate	Analytical	721	500 gm	520
<a href="#">64</a>	M Sodium Hexa Mata Phosphate	Analytical	1441	1 kg	1120
<a href="#">65</a>	di- sodium tetraborate to hydrate	Analytical	1063100250	250 gm	7787
<a href="#">66</a>	zinc sulfate heptahydrate	Analytical	1088830500	2 Kg	19584
<a href="#">67</a>	succinic add	Analytical	8144130100	200 ml	10418
<a href="#">68</a>	Calium Chloride di hydrate	Anah Inal	1023820500	500 gm	3714
<a href="#">69</a>	Perchloric Acid	Aualvtical	1582	1.5 Kg	13500
<a href="#">70</a>	DI- Malic acid	Analytical	343	1 Kg	2500
<a href="#">71</a>	Natrium Nitrate Reinst	Analytical	388	1 kg	8400
<a href="#">72</a>	2,4-dinitrophenyl Hydrazine	Analytica	4678	100 gm	11000
<a href="#">73</a>	Trichloro Acetic Acid	Analytica	165	500 gm	3276
<a href="#">74</a>	Iron Chloride Hexahydrate	Analytica	8019451000	1 kg	5800
<a href="#">75</a>	Sodium Molybedate	Analytica	1005210250	1 Kg	53720
<a href="#">76</a>	Bromophenol Blue Indicator	Analytica	6.18287E+13	5 gm	2160
<a href="#">77</a>	Safranine O, High Purity	Analytica	888	25 gm	1696.5
<a href="#">78</a>	Streptomycine sulfate	Analytica	5711	100GM	5556
<a href="#">79</a>	Potassium Iodide Briquettes 99%	Analytica	2360	1 kg	14625
<a href="#">80</a>	Gluconic Acid Potassium Salt	Analytica	346125	100 gm	5208
<a href="#">81</a>	Diethlenetriamine-pentaacelic acid	Analytica	1083900250	250 gm	12609
<a href="#">82</a>	d-Tryptophan	Analytica	PHR1176	1 gm	17718
<a href="#">83</a>	Agrose	Analytica	2070	200 gm	80682
<a href="#">84</a>	Lead Nitrate	Analytica		2 kg	8974
<a href="#">85</a>	Albumin, Bovine Serum	Analytica	12659	1 Kg	81516
<a href="#">86</a>	Potassium nitrate	Analytivcal	1050631000	3 kg	12360
<a href="#">87</a>	Glycerol	Analytivcal	3834	5 L	6552
<a href="#">88</a>	Sulphuric acid	Analytivcal	1007312500	5 L	7500
<a href="#">89</a>	Calcium nitrate	Analytivcal	1231	7 kg	9415
<a href="#">90</a>	Hydrgen peroxide solution	Analytivcal	1146	1 KG	1950
<a href="#">91</a>	Nitric acid	Analytivcal	1.93406.2521	5 L	3600
<a href="#">92</a>	Nicklel Sulphate	Analytivcal	1.93650.0521	1 kg	12000
<a href="#">93</a>	Agar Agar	Analytivcal	12177	11 kg	140844
<a href="#">94</a>	Yeast Extract Powder	Analytivcal	1.03753.05000	10 kg	54000
<a href="#">95</a>	Dextrose anhydrous purifies	Analytivcal	6.17809E+13	1 KG	1440
<a href="#">96</a>	Ammonium Molybdate tetra	Analytivcal	96	250 GM	17248

	hydrate				
<a href="#"><u>97</u></a>	Tris Buffer Grade	Analytivcal	648314	100 ML	4560
<a href="#"><u>98</u></a>	Glycin	Analytivcal	816013.0521	500 gm	2400
<a href="#"><u>99</u></a>	Ammonium Dihydrogen Phosphate	Analytivcal	1014400050	50 gm	16654
<a href="#"><u>100</u></a>	di-sodium hydrogen phosphate dehydrate	Analytivcal	1197530250	250 GM	7831
<a href="#"><u>101</u></a>	Potassium dihydrogen phosphate	Analytivcal	1048751000	10 KG	62220
<a href="#"><u>102</u></a>	Tri-sodium Citrate di hydrate	Analytivcal	1064485000	1 KG	5000
<a href="#"><u>103</u></a>	Tri.calcium phosphate	Analytivcal	1235	500 GM	945
<a href="#"><u>104</u></a>	Citric acid monohydrate	Analytivcal	1288	1 KG	1404
<a href="#"><u>105</u></a>	Sodium chloride	Analytivcal	1064041000	10 KG	17000
<a href="#"><u>106</u></a>	Ammonium Molybdate tetra hydrate	Analytivcal	96	250 GM	17248
<a href="#"><u>107</u></a>	Sodium hydroxide	Analytivcal	6203	5 KG	10349
<a href="#"><u>108</u></a>	Potassium sulphate cryst	Analytivcal	594	1 KG	1287
<a href="#"><u>109</u></a>	Potassium sulphate cryst	Analytivcal	40	2 KG	3042
<a href="#"><u>110</u></a>	Manganese chloride	Analytivcal	2164	8 KG	22176
<a href="#"><u>111</u></a>	Calcium Gluconate	Analytivcal	1883	500 GM	2500
<a href="#"><u>112</u></a>	Cupric nitrate	Analytivcal	1310	500 GM	2756
<a href="#"><u>113</u></a>	Sucrose	Analytivcal	848	2 KG	2456
<a href="#"><u>114</u></a>	Ferous sulphate	Analytivcal	684	3 KG	2106
<a href="#"><u>115</u></a>	Manganese oxide powder	Analytivcal	366	1 kg	1775
<a href="#"><u>116</u></a>	Potassium di hydrogen phosphate	Analytivcal	1048731000	5 Kg	21095
<a href="#"><u>117</u></a>	Ammonium Sulphate	Analytivcal	790	3 kg	2250
<a href="#"><u>118</u></a>	Sodium Hydrogen Carbonate	Analytivcal	1063291000	1 kg	2350
<a href="#"><u>119</u></a>	Potassium chloride extra pure	Analytivcal	372	2 kg	2082
<a href="#"><u>120</u></a>	Calcium chlorde	Analytivcal	1089	2 kg	2700
<a href="#"><u>121</u></a>	Ammonium Hydro oxide	Analytivcal	701	1 L	660
<a href="#"><u>122</u></a>	Orthro phosphoric acid	Analytivcal	1005732510	2.5 L	14803
<a href="#"><u>123</u></a>	Acetic acid Glacial	Analytivcal	5516	2.5 L	1088
<a href="#"><u>124</u></a>	Sodium Hypochlorite solution	Analytivcal	1459	5 kg	3750
<a href="#"><u>125</u></a>	Ammonium meta vanadat	Analytivcal	4608	500 gm	6669
<a href="#"><u>126</u></a>	D glucose anhydrous	Analytivcal	1083421000	5 kg	12000
<a href="#"><u>127</u></a>	Sodium bromide	Analytivcal	1063630250	250 gm	87260
<a href="#"><u>128</u></a>	Iron chloride 6 hydrate	Analytivcal	98	1 kg	3393
<a href="#"><u>129</u></a>	Sodium sulphate	Analytivcal	311	1 kg	1023
<a href="#"><u>130</u></a>	5-Sulphosalicylic acid dehydrate	Analytivcal	259	500 gm	5733
<a href="#"><u>131</u></a>	Boric Acid	Analytivcal	1004	4 kg	4896
<a href="#"><u>132</u></a>	MgCl2.6 h2o Magnesium chloride	Analytivcal	2142	3 kg	4233
<a href="#"><u>133</u></a>	Cobalt sulphate	Analytivcal	1297	500 gm	9500
<a href="#"><u>134</u></a>	Molybdic acid	Analytivcal	5074	25 gm	2500
<a href="#"><u>135</u></a>	Mannitol	Analytivcal	386	500 gm	1790
<a href="#"><u>136</u></a>	Manganese sulphate -1 Hydrate	Analytivcal	374	1 Kg	2740
<a href="#"><u>137</u></a>	Potassium sodium tartrate - 4-hydrate	Analytivcal	4590	1 kg	2223
<a href="#"><u>138</u></a>	Lead nitrate pure cryst	Analytivcal	255	2 Kg	8994
<a href="#"><u>139</u></a>	Calcium carbonate	Analytivcal	1.93666.0521	500 gm	2160
<a href="#"><u>140</u></a>	Cobalt chloride	Analytivcal	1294	500 gm	6318
<a href="#"><u>141</u></a>	Toluene	Analytivcal	181	1 L	3000



<a href="#"><u>142</u></a>	n-Hexane	Analytivcal	2939	2.5 l	2164
<a href="#"><u>143</u></a>	Pentane	Analytivcal	1574	1 L	3000
<a href="#"><u>144</u></a>	a-ketoburyc acid di-sodium salt	Analytivcal	3846	1 L	3000
<a href="#"><u>145</u></a>	Indole acetic acid	Analytivcal	8207040010	10 gm	9615
<a href="#"><u>146</u></a>	Gibberellic acid	Analytivcal	5154	25 gm	15000
<a href="#"><u>147</u></a>	2-thiobarbituric acid	Analytivcal	10818000025	25 gm	8200
<a href="#"><u>148</u></a>	Tryptamine free base	Analytivcal	8184450010	10 gm	6355
<a href="#"><u>149</u></a>	L-Histidine hydrochloridemonohydrate	Analytivcal	837	25 gm	2750
<a href="#"><u>150</u></a>	Indole 3 butyric acid	Analytivcal	5168	25 gm	5000
<a href="#"><u>151</u></a>	ACC	Analytivcal	25	1 gm	38000
<a href="#"><u>152</u></a>	L-Tryptophan	Analytivcal	399698-25GM	25 gm	25188
<a href="#"><u>153</u></a>	Ethidium bromide	Analytivcal	1116150001	1 gm	5500
<a href="#"><u>154</u></a>	L-Methionine	Analytivcal	5180	25 gm	3126.00
<a href="#"><u>155</u></a>	L-Lactic acid	Analytivcal	1163	500 gm	1860
<a href="#"><u>156</u></a>	Brilliant blue G	Analytivcal	112553005	25 gm	6480
<a href="#"><u>157</u></a>	L-Glutamic acid	Analytivcal	772	500gm	6500.00
<a href="#"><u>158</u></a>	L-Aspartic acid	Analytivcal	5115	500gms	5100.00
<a href="#"><u>159</u></a>	Proteinase K	Analytivcal	539480	100gms	4320
<a href="#"><u>160</u></a>	Silver Nitrate	Analytivcal	900	Gm	6786.00
<a href="#"><u>161</u></a>	Kinetin	Analytivcal	K0753-1G	1gms	19700
<a href="#"><u>162</u></a>	2 – Mercapto ethanol 99%	Analytivcal	8057401000	1 L	11159
<a href="#"><u>163</u></a>	D-Gluconic Acid Solution	Analytivcal	8220570100	100ml	3250
<a href="#"><u>164</u></a>	Sodium Acetate Trihydrate	Analytivcal	1062679050	50 kg	122169
<a href="#"><u>165</u></a>	Trion X-100	Analytivcal	1122981001	1L	36666
<a href="#"><u>166</u></a>	Sodium Thiosulfate Anhydrous	Analytical	439	500gm	950
<a href="#"><u>167</u></a>	Potassium Chloride	Analytical	372	Kg	1041.30
<a href="#"><u>168</u></a>	Hepes (Free Acid)	Analytical	5310	100gms	3327.5
<a href="#"><u>169</u></a>	Potassium Chromate	Analytical	391	500gm	4718.00
<a href="#"><u>170</u></a>	Iodine 99%	Analytical	1177	500gms	17500
<a href="#"><u>171</u></a>	Crystal Violet	Analytical	754	25gm	877.50
<a href="#"><u>172</u></a>	Iron(III) Chloride Anhydrous	Analytical	8039451000	1KG	7773
<a href="#"><u>173</u></a>	Mercuric chloride	Analytical	280	100gms	11211
<a href="#"><u>174</u></a>	Tryptic Soy Agar	Analytical	1.5458.0500	0.5kg	4560
<a href="#"><u>175</u></a>	Tryptic Soy Broth	Analytical	1.05459.0500	0.5kg	3600
<a href="#"><u>176</u></a>	Congo Red	Analytical	1300	25gm	1370
<a href="#"><u>177</u></a>	Phenolphthalein	Analytical	1600	100gm	1158.3
<a href="#"><u>178</u></a>	Eriochrome Black Tea (EBT)	Analytical	1031700025	25gms	3900
<a href="#"><u>179</u></a>	Copper Sulfate	Analytical	1027841000	2 KG	14274
<a href="#"><u>180</u></a>	Yeast Extract Powder	Analytical	1.03753.05000	0.5kg	5400
<a href="#"><u>181</u></a>	Chloroform 99%	Analytical	155	2.5 ltr	3136
<a href="#"><u>182</u></a>	Sodium Tungstate dehydrate	Analytical	461	500gm	15000.00
<a href="#"><u>183</u></a>	Methyl Red	Analytical	1505	25gm	1133
<a href="#"><u>184</u></a>	Sodium Hydroxide	Analytical	1064629050	50kg	69235
<a href="#"><u>185</u></a>	Nutrient Gelatin	Analytical	L7230	6x5ml	3870
<a href="#"><u>186</u></a>	Citric Acid	Analytical	8187071000	1KG	5930
<a href="#"><u>187</u></a>	Casamino acid	Analytical	2240	500GM	13685.1
<a href="#"><u>188</u></a>	D-Lactose	Analytical	1129390010	10G	11797
<a href="#"><u>189</u></a>	Boric Acid	Analytical	1007650500	500GM	102792
<a href="#"><u>190</u></a>	Tris Hydroxymenthyl amino Methane	Analytical	147	500GM	5265
<a href="#"><u>191</u></a>	Dodecyl Sulphate Sodium Salt	Analytical	8220509020	20KG	80549
<a href="#"><u>192</u></a>	Potassium Sulfate	Analytical	594	Kg	1287
<a href="#"><u>193</u></a>	Iron (II) Sulfate Heptahydrate	Analytical	1039650100	100GM	3034

<a href="#"><u>194</u></a>	Sodium Bicarbonate	Analytical	2736	1KG	994.5
<a href="#"><u>195</u></a>	Sodium Sulfide Anhydrous	Analytical	318	500GM	1000
<a href="#"><u>196</u></a>	Sodium chloride	Analytical	83	Kg	760
<a href="#"><u>197</u></a>	Di-Potassium hydrogen hosphate	Analytical	1197540250	250gm	9689
<a href="#"><u>198</u></a>	Sodium Hydroxide Pellets	Analytical	1064625000	5 Kg	11268
<a href="#"><u>199</u></a>	Toluene	Analytical	181	Ltr	870
<a href="#"><u>200</u></a>	D-Maltose	Analytical	2160	500GM	4563
<a href="#"><u>201</u></a>	Ammonium Oxalate monohydrate	Analytical	5312	500gm	1462.50
<a href="#"><u>202</u></a>	Tryptic soy broth	Analytical	1.05459.0500	500GM	3600
<a href="#"><u>203</u></a>	Piperazine N-N bis(ethanosulphonic acid	Analytical	8073259025	25Kg	134824
<a href="#"><u>204</u></a>	Piperazine	Analytical	5195	500GM	5500
<a href="#"><u>205</u></a>	2-Chlorophenol	Analytical	8022539030	30Kg	106872
<a href="#"><u>206</u></a>	Triton	Analytical	1086032500	2.5L	21030
<a href="#"><u>207</u></a>	Thio barbituric acid	Analytical	1081800025	25GM	8200
<a href="#"><u>208</u></a>	Potassium Hexacyanoferrate	Analytical	1049730100	100GM	4715
<a href="#"><u>209</u></a>	Hexadecyl trimethyl ammonium bromide (HDTMA)	Analytical	8141190500	500GM	3366
<a href="#"><u>210</u></a>	Iron chloride	Analytical	8039451000	25GM	4800
<a href="#"><u>211</u></a>	Succinic acid	Analytical	267	500gm	2000
<a href="#"><u>212</u></a>	Thiamine chloride hydrochloride	Analytical	5871	100GM	4488
<a href="#"><u>213</u></a>	Di sodium hydrogen phosphate	Analytical	183	3 kg	7761
<a href="#"><u>214</u></a>	Bradford Reagent	Analytical	2740	1Kit	23667.6
<a href="#"><u>215</u></a>	L-Glutamine	Analytical	D8900	10L	21168
<a href="#"><u>216</u></a>	Anthrone	Analytical	4680	25gm	6800.00
<a href="#"><u>217</u></a>	Ammonium chloride	Analytical	1.93621.0521	1.5kg	4680
<a href="#"><u>218</u></a>	Riboflavin	Analytical	886	25gm	2223
<a href="#"><u>219</u></a>	Ethylene diamine tetra acetic acid (EDTA)	Analytical	382	500ml	1626
<a href="#"><u>220</u></a>	Tris hydrochloride	Analytical	9310	500GM	4300
<a href="#"><u>221</u></a>	Ninhydrin	Analytical	1536	25gm	5560
<a href="#"><u>222</u></a>	Ferous Ammonium Sulphate	Analytical	203505	2Kg	9000
<a href="#"><u>223</u></a>	Hydroxylamine Hydrochloride	Analytical	379921	500gm	3500
<a href="#"><u>224</u></a>	Sodium arsenate	Analytical	a6756	100gm	14500
<a href="#"><u>225</u></a>	Chromotropic acid	Analytical	126225	25gm	5500
<a href="#"><u>226</u></a>	Gel Loading Dye Blue (6X) – 4.0 ml	Analytical	B7021S	4.0 ml	11115
<a href="#"><u>227</u></a>	Magnesium Sulfate (MgSo4) Solution – 6.0 ml	Analytical	B1003S	60.1 ml	5265
<a href="#"><u>228</u></a>	Gel Loadind Dye Purple (6x) – 4.0 ml	Analytical	B7024S	4.0 ml	11115
<a href="#"><u>229</u></a>	BSA-Molecular Biology Grade – 12 mg	Analytical	B9000S	12 mg	7020
<a href="#"><u>230</u></a>	Agarose	Analytical	16500500	1 Kg	46800
<a href="#"><u>231</u></a>	SYBER GreenER QPCR Super Mix	Analytical	11762100	100Rxn	57000
<a href="#"><u>232</u></a>	Primers PCR Grade 50nmol	Analytical	-	Each Base	38
<a href="#"><u>233</u></a>	Standard Taq Reaction Buffer Pack – 6.0 ml	Analytical	B9014S	6.0 ml	3000
<a href="#"><u>234</u></a>	One Taq Standard Reaction Buffer Pack – 8.0 ml	Analytical	B9022S	8.0 ml	3000
<a href="#"><u>235</u></a>	cDNA Synthesis Kit	Analytical	18080300	100Rxn	4500

<a href="#">236</a>	Bromocresol Purple	Analytical	4684	50 gm	9100.00
<a href="#">237</a>	Buffer solution pH4.01	Analytical	1024	2 L	1731.60
<a href="#">238</a>	Buffer solution pH7	Analytical	1028	2L	1731.60
<a href="#">239</a>	Buffer solution pH9.18	Analytical	1030	2 L	1731.60
<a href="#">240</a>	Calcium Chloride anhydrous	Analytical	3459	1 Kg	1579.50
<a href="#">241</a>	EDTA-FeNa trihydrate	Analytical	361	500gms	1462.50
<a href="#">242</a>	Ethyl alcohol	Analytical	1399	15 L	24000.00
<a href="#">243</a>	Magnesium sulfate anhydrous	Analytical	334	1 Kg	1638.00
<a href="#">244</a>	Magnesium Sulfate heptahydrate	Analytical	3973	1 Kg	906.75
<a href="#">245</a>	Ammonium Nitrate	Analytical	765	1 Kg	18000
<a href="#">246</a>	Salicylic Acid,	Analytical	2405	1Kg	2050.00
<a href="#">247</a>	Primers at 50nmol scale	Analytical		01 base	36
<a href="#">248</a>	96-well PCR plate (25 plates/pack)	Analytical		01 pck	8000
<a href="#">249</a>	PCR TUBES & Caps strips (250 strips/pack)	Analytical		01 case	15000
<a href="#">250</a>	10 ul Tips (100 tips/bag)	Analytical		01 case	14000
<a href="#">251</a>	200 ul Yellow Tips (1000 tips/bag)	Analytical		01 case	14000
<a href="#">252</a>	1000 ul Blue Tips (1000 tips/bag)	Analytical		01 Case	24000
<a href="#">253</a>	0.2ml PCR tubes with attach caps (1000 tubes/bag)	Analytical		01 case	25000
<a href="#">254</a>	AlumaSeals Sealing films (100/pck)	Analytical		01 Pek	6500
<a href="#">255</a>	Adhesive films for Microtiter Plates (100/pck)	Analytical		01 Pek	6500
<a href="#">256</a>	Lazy L Spreaders (500 spreaders)	Analytical		01 Pek	21000
<a href="#">257</a>	Taq PCR Master Mix (2x)	Analytical		01 Vial	8000
<a href="#">258</a>	dNTPs, Set (100mM)	Analytical		01 vial	13000
<a href="#">259</a>	DNA Ladder, 1 kb Plus (500ul)	Analytical		01 vial	9500
<a href="#">260</a>	100bp DNA Ladder (500 ul)	Analytical		01 Vial	8500
<a href="#">261</a>	First-Strand cDNA Synthesis Kit (50 rxn)	Analytical		01 Kit	36000
<a href="#">262</a>	SYBR Green One-Step qRT-PCR Master Mix(2x)	Analytical		01 Vial	39,590.00
<a href="#">263</a>	Kjeldahl flask with ground joint socket 500ml, 24/29	Analytical	070.202.05	500 ml	1327.95
<a href="#">264</a>	Measuring Cylinder Round Base Class A, 5ml	Analytical	138.202.01	5 ml	286.65
<a href="#">265</a>	Measuring Cylinder Round Base Class A, 10ml	Analytical	138.202.02	10 ml	298.35
<a href="#">266</a>	Measuring Cylinder Round Base Class A, 25ml	Analytical	138.202.03	25 ml	304.20
<a href="#">267</a>	Measuring Cylinder Round Base Class A, 50ml	Analytical	138.202.04	50 ml	310.05
<a href="#">268</a>	Measuring Cylinder Round Base Class A, 100ml	Analytical	138.202.05	100 ml	421.20
<a href="#">269</a>	Measuring Cylinder Round Base Class A, 250ml	Analytical	138.202.06	250 ml	538.20
<a href="#">270</a>	Measuring Cylinder Round Base Class A, 1000ml	Analytical	138.202.08	1000ml	2103.66
<a href="#">271</a>	Measuring Cylinder Round Base Class A, 2000ml	Analytical	138.202.09	2000ml	2679.30
<a href="#">272</a>	Conical Flask 25ml graduated	Analytical	231.202.01	25 ml	163.80
<a href="#">273</a>	Conical Flask 50ml graduated	Analytical	231.202.02	50 ml	222.30
<a href="#">274</a>	Conical Flask 100ml graduated	Analytical	231.202.03	100 ml	245.70

<a href="#"><u>275</u></a>	Conical Flask 250ml graduated	Analytical	231.202.04	250 ml	280.80
<a href="#"><u>276</u></a>	Conical Flask 500ml graduated	Analytical	231.202.05	500 ml	374.40
<a href="#"><u>277</u></a>	Conical Flask 1000ml graduated	Analytical	231.202.06	1000 ml	479.70
<a href="#"><u>278</u></a>	Conical Flask 2000ml graduated	Analytical	231.202.07	2000 ml	760.50
<a href="#"><u>279</u></a>	Volumetric Flask Class A with PP Stopper 5ml	Analytical	129.202.01	5 ml	269.10
<a href="#"><u>280</u></a>	Volumetric Flask Class A with PP Stopper 10ml	Analytical	129.202.02	10 ml	280.80
<a href="#"><u>281</u></a>	Volumetric Flask Class A with PP Stopper 20ml	Analytical	129.202.02A	20 ml	333.45
<a href="#"><u>282</u></a>	Volumetric Flask Class A with PP Stopper 25ml	Analytical	129.202.03	25 ml	321.75
<a href="#"><u>283</u></a>	Volumetric Flask Class A with PP Stopper 50ml	Analytical	129.202.04	50 ml	339.30
<a href="#"><u>284</u></a>	Volumetric Flask Class A with PP Stopper 100ml	Analytical	129.202.05	100 ml	348.66
<a href="#"><u>285</u></a>	Volumetric Flask Class A with PP Stopper 200ml	Analytical	129.202.06	200 ml	520.65
<a href="#"><u>286</u></a>	Volumetric Flask Class A with PP Stopper 1000ml	Analytical	129.202.09	1000 ml	1123.20
<a href="#"><u>287</u></a>	Volumetric Flask Class A with PP Stopper 2000ml	Analytical	129.202.10	2000 ml	2094.30
<a href="#"><u>288</u></a>	Beaker Low form with graduation and spout Boro 10ml	Analytical	229.202.01	10 ml	81.90
<a href="#"><u>289</u></a>	Beaker Low form with graduation and spout Boro 25ml	Analytical	229.202.02	25 ml	93.60
<a href="#"><u>290</u></a>	Beaker Low form with graduation and spout Boro 50ml	Analytical	229.202.03	50 ml	105.30
<a href="#"><u>291</u></a>	Beaker Low form with graduation and spout Boro 100ml	Analytical	229.202.04	100 ml	128.70
<a href="#"><u>292</u></a>	Beaker Low form with graduation and spout Boro 250ml	Analytical	229.202.05	250 ml	152.10
<a href="#"><u>293</u></a>	Beaker Low form with graduation and spout Boro 500ml	Analytical	229.202.06	500 ml	210.60
<a href="#"><u>294</u></a>	Beaker Low form with graduation and spout Boro 1000ml	Analytical	229.202.07	1000 ml	339.30
<a href="#"><u>295</u></a>	Beaker Low form with graduation and spout Boro 2000ml	Analytical	229.202.08	2000 ml	1638.00
<a href="#"><u>296</u></a>	Beaker Low form with graduation and spout Boro 5000ml	Analytical	229.202.09	5000 ml	7020.00
<a href="#"><u>297</u></a>	Burette			4	36000
<a href="#"><u>298</u></a>	Pipette			4	3000
<a href="#"><u>299</u></a>	China Dish			12	1140
<a href="#"><u>300</u></a>	Plastic beaker			48	6720
<a href="#"><u>301</u></a>	Petri dish Plastic 90mm			2 Box	12000.00
<a href="#"><u>302</u></a>	Falcon tube 15ml			200	3600.00
<a href="#"><u>303</u></a>	Falcon tube 50ml			200	8000.00
<a href="#"><u>304</u></a>	Falcon tube 15ml rack			2	1900.00
<a href="#"><u>305</u></a>	Eppendroff tube 1.5ml			3 Pack	2400.00
<a href="#"><u>306</u></a>	PCR Tube 0.2ml			Pkt of 1000	1200.00
<a href="#"><u>307</u></a>	PCR Tube 0.5ml			Pkt of 1000	1200.00
<a href="#"><u>308</u></a>	Filter paper sheet			2 Pack of 100	4000.00

<a href="#">309</a>	Filter Paper whatman No:- 40, 41. 42. 44.			Pkt of 100	3000.00
<a href="#">310</a>	Filter Paper whatman No:-1			Pkt of 100	1400.00
<a href="#">311</a>	Aluminium foil			29 rolls	7000.00
<a href="#">312</a>	Parafilm roll			12 roll	42000.00
<a href="#">313</a>	Yellow tips			Pack	250.00
<a href="#">314</a>	Blue tips			Pack	250.00
<a href="#">315</a>	Cuvette Quartz			2 Pairs	1200.00
<a href="#">316</a>	Cuvette plastic			6	360.00
<b>3644712.22</b>					

**List of Chemical/glassware/Plasticware**

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	Bradford Reagent	Analytical		1 Liter	
<a href="#">2</a>	NBT	Analytical		1 g	
<a href="#">3</a>	Potassium Phosphate	Analytical		1 kg	
<a href="#">4</a>	Triton X	Analytical		500 ml	
<a href="#">5</a>	Methionine	Analytical		1 kg	
<a href="#">6</a>	Ribolavin	Analytical		250 g	
<a href="#">7</a>	Guicol	Analytical		100 g	
<a href="#">8</a>	Hydrogen peroxide	Analytical		1 litre	
<a href="#">9</a>	Sulphuric Acid.	Analytical		10 Litre	
<a href="#">10</a>	Nitric Acid.	Analytical		2.5 Litre	
<a href="#">11</a>	Perchloric Acid.	Analytical		2.5Litre	
<a href="#">12</a>	Potassium Standards	Analytical		1 litre	
<a href="#">13</a>	Acetone	Analytical		10 Litre	
<a href="#">14</a>	Methyl Red.	Analytical		200 g	
<a href="#">15</a>	Petroleum Ether.	Analytical		2.5 Litre	
<a href="#">16</a>	Potassium Permanganate	Analytical		1 kg	
<a href="#">17</a>	Potassium Acetate	Analytical		1 kg	
<a href="#">18</a>	Silver Nitrate	Analytical		100 g	
<a href="#">19</a>	Cetyltrimethylammoni um bromide	Analytical		500 g	
<a href="#">20</a>	EDTA	Analytical		1 kg	
<a href="#">21</a>	SDS	Analytical		1 kg	
<a href="#">22</a>	Copper(II) Sulphate	Analytical		1 kg	
<a href="#">23</a>	Potassium Sulphate	Analytical		1 kg	
<a href="#">24</a>	Iron (II) Sulfate	Analytical		1 kg	
<a href="#">25</a>	Boric Acid	Analytical		1 kg	
<a href="#">26</a>	di-Sodium hydrogen phosphate	Analytical		1 kg	
<a href="#">27</a>	Iron (III) Nitrate	Analytical		1 kg	
<a href="#">28</a>	Hydrochloric Acid 37%	Analytical		2.5 Litre	
<a href="#">29</a>	Acetic Acid 100%	Analytical		5 Litre	
<a href="#">30</a>	Hydrogen peroxide solution 35%	Analytical		1 Litre	
<a href="#">31</a>	Ethanol Absolute	Analytical		2.5 Litre	
<a href="#">32</a>	Buffer Solution pH 4.00 ± 0.02	Analytical		1 Litre	
<a href="#">33</a>	Potassium dihydrogen phosphate	Analytical		1 kg	
<a href="#">34</a>	Toluene	Analytical		2.5 Litre	
<a href="#">35</a>	Potassium Standards Solution	Analytical		500 ml	
<a href="#">36</a>	Phosphorous Standard Solution	Analytical		500 ml	
<a href="#">37</a>	Sodium Standard Solution	Analytical		500 ml	
<a href="#">38</a>	Ammonium Molybdate	Analytical		500 g	
<a href="#">39</a>	Ammonium Vanadate	Analytical		500 g	
<a href="#">40</a>	Sodium Hydroxide	Analytical		1 kg	
<a href="#">41</a>	Bromocresol green	Analytical		25 g	
<a href="#">42</a>	Potassium Chloride	Analytical		1 kg	



<a href="#"><u>43</u></a>	Ammonium Hydroxide	Analytical		2.5 Litre	
<a href="#"><u>44</u></a>	Ammonium Acetate	Analytical		1 kg	
<a href="#"><u>45</u></a>	Sodium bicarbonate	Analytical		1 kg	
<a href="#"><u>46</u></a>	Ammonium Sulphate	Analytical		1 kg	
<a href="#"><u>47</u></a>	P-Nitrophenol	Analytical		25 g	
<a href="#"><u>48</u></a>	Hydromethyl aminomethane	Analytical		1 kg	
<a href="#"><u>49</u></a>	Diphenyl amine	Analytical		250 g	
<a href="#"><u>50</u></a>	Ferrous Ammonium Sulphate	Analytical		1 kg	
<a href="#"><u>51</u></a>	orthophoric Acid	Analytical		2.5 Litre	
<a href="#"><u>52</u></a>	Potassium dichromate	Analytical		1 kg	
<a href="#"><u>53</u></a>	Sulphuric Acid.	Analytical		12.5 Litre	
<a href="#"><u>54</u></a>	Nitric Acid.	Analytical		5 Litre	
<a href="#"><u>55</u></a>	Perchloric Acid.	Analytical		2.5 Litre	
<a href="#"><u>56</u></a>	Hydrochloric Acid	Analytical		25 Litre	
<a href="#"><u>57</u></a>	Potassium Sulphate	Analytical		5 kg	
<a href="#"><u>58</u></a>	Copper Sulphate	Analytical		2 kg	
<a href="#"><u>59</u></a>	Ferrous Sulphate	Analytical		2 kg	
<a href="#"><u>60</u></a>	Boric Acid	Analytical		2 kg	
<a href="#"><u>61</u></a>	Sodium Hydroxide	Analytical		3 kg	
<a href="#"><u>62</u></a>	Sodium bicarbonate	Analytical		1 kg	
<a href="#"><u>63</u></a>	Ammonium Molybdate	Analytical		500 g	
<a href="#"><u>64</u></a>	Ammonium Metavanadate	Analytical		250 g	
<a href="#"><u>65</u></a>	Potassium dihydrogen phosphate	Analytical		1 kg	
<a href="#"><u>66</u></a>	Ethylene diamine tetra acetic acid disodium salt	Analytical		1 kg	
<a href="#"><u>67</u></a>	Ammonium acetate solution	Analytical		1 Litre	
<a href="#"><u>68</u></a>	Acetic Acid	Analytical		2.5 Litre	
<a href="#"><u>69</u></a>	Potassium Chloride	Analytical		1 kg	
<a href="#"><u>70</u></a>	Hydrogen peroxide	Analytical		2 Litre	
<a href="#"><u>71</u></a>	Glucose	Analytical		1 kg	
<a href="#"><u>72</u></a>	Peptone	Analytical		500 g	
<a href="#"><u>73</u></a>	Magnesium sulphate	Analytical		1 kg	
<a href="#"><u>74</u></a>	Agar	Analytical		500g	
<a href="#"><u>75</u></a>	Ethanol	Analytical		5 Litre	
<a href="#"><u>76</u></a>	Dextrose	Analytical		1 kg	
<a href="#"><u>77</u></a>	Azomethine H	Analytical		10 g	
<a href="#"><u>78</u></a>	Folin Ciocalten reagent	Analytical		500 ml	
<a href="#"><u>79</u></a>	Phenolic acid standards	Analytical		1 Litre	
<a href="#"><u>80</u></a>	Calcium chloride	Analytical		1 kg	
<a href="#"><u>81</u></a>	Trichloroacetice acid	Analytical		1 Litre	
<a href="#"><u>82</u></a>	Tetrazolium chloride	Analytical		1 kg	
<a href="#"><u>83</u></a>	Acetone	Analytical		30 Litre	
<a href="#"><u>84</u></a>	Trichloroacetice acid 97%	Analytical		10 kg	
<a href="#"><u>85</u></a>	Perchloric Acid.	Analytical		10 Litre	
<a href="#"><u>86</u></a>	Glacial Acetic Acid	Analytical		5 kg	
<a href="#"><u>87</u></a>	Salicylic Acid	Analytical		1 kg	
<a href="#"><u>88</u></a>	Sulphosalicylic Acid	Analytical		2.5 kg	
<a href="#"><u>89</u></a>	Ninhydrin	Analytical		500 g	
<a href="#"><u>90</u></a>	Dithiothreitol	Analytical		150 ml	
<a href="#"><u>91</u></a>	Phosphoric Acid	Analytical		4 Litre	
<a href="#"><u>92</u></a>	Thiobarbituric Acid	Analytical		250 g	
<a href="#"><u>93</u></a>	Sulphuric Acid.	Commercial		10 Litre	
<a href="#"><u>94</u></a>	Broc Acid	Analytical		4 kg	
<a href="#"><u>95</u></a>	Calcium chloride	Analytical		2 kg	
<a href="#"><u>96</u></a>	Sodium chloride	Analytical		1 kg	
<a href="#"><u>97</u></a>	Calcium sulphate	Analytical		500 g	
<a href="#"><u>98</u></a>	Sodium Carbonate	Analytical		1500 g	
<a href="#"><u>99</u></a>	Folin Ciocalten reagent	Analytical		500 g	
<a href="#"><u>100</u></a>	Potassium Phosphate Buffer	Analytical		2 kg	
<a href="#"><u>101</u></a>	Sodium Phosphate Buffer	Analytical		2kg	

<a href="#"><u>102</u></a>	Safranin	Analytical		250 g	
<a href="#"><u>103</u></a>	Fast green	Analytical		100 g	
<a href="#"><u>104</u></a>	Kinetin	Analytical		10 g	

**List of Glassware**

<a href="#"><u>1</u></a>	Glass Beaker 100 ml	6 Nos.
<a href="#"><u>2</u></a>	Glass Beaker 500 ml	6 Nos.
<a href="#"><u>3</u></a>	Glass Beaker 1000 ml	6 Nos.
<a href="#"><u>4</u></a>	Manual Pipette	6 Nos.
<a href="#"><u>5</u></a>	Volumetric Flask 250 ml	3 Nos.
<a href="#"><u>6</u></a>	Violometric Flask 100 ml	3 Nos.
<a href="#"><u>7</u></a>	Volumetric Flask 1000 ml	6 Nos.
<a href="#"><u>8</u></a>	China Dish	30 Nos.
<a href="#"><u>9</u></a>	China Cup	30 Nos.
<a href="#"><u>10</u></a>	Kjeldhal digestion tubes	10 Nos.
<a href="#"><u>11</u></a>	Round bottom flask 250 ml	6 Nos.
<a href="#"><u>12</u></a>	Soxhlet condenser (RFK 100) + Extraction tube (100H)	6 Nos.
<a href="#"><u>13</u></a>	Measuring cylinder 50 ml	3 Nos.
<a href="#"><u>14</u></a>	Measuring cylinder 100 ml	3 Nos.
<a href="#"><u>15</u></a>	Measuring cylinder 250 ml	3 Nos.
<a href="#"><u>16</u></a>	Measuring cylinder 500 ml	3 Nos.
<a href="#"><u>17</u></a>	Measuring cylinder 1000 ml	3 Nos.
<a href="#"><u>18</u></a>	Bulb Pipette & graduated pipette	3 Nos.
<a href="#"><u>19</u></a>	Burette	3 Nos.
<a href="#"><u>20</u></a>	Boiling tube	3 Nos.
<a href="#"><u>21</u></a>	Funnal	5 Nos.
<a href="#"><u>22</u></a>	Ignition tube	1 Kg
<a href="#"><u>23</u></a>	Thermometer	5 Nos.
<a href="#"><u>24</u></a>	Wash Bottle	2 Nos.
<a href="#"><u>25</u></a>	Lab coat	2 Nos.
<a href="#"><u>26</u></a>	Filter paper whattman	2 packets
<a href="#"><u>27</u></a>	Petri plates (9cm)	100 Nos.
<a href="#"><u>28</u></a>	Glass Beaker (1000 ml)	10 Nos.
<a href="#"><u>29</u></a>	Glass Beaker (500 ml)	15 Nos.
<a href="#"><u>30</u></a>	Glass Beaker (250 ml)	15 Nos.
<a href="#"><u>31</u></a>	Volumetric flask (1000 ml)	25 Nos.
<a href="#"><u>32</u></a>	Volumetric flask (500 ml)	20 Nos.
<a href="#"><u>33</u></a>	Volumetric flask (250 ml)	25 Nos.

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Agar Agar	Analytical		2000 gm	26000
<a href="#"><u>2</u></a>	Glucose	Analytical		4000 gm	14000
<a href="#"><u>3</u></a>	Nutrient Agar	Analytical		1000 gm	5500
<a href="#"><u>4</u></a>	Cotton roll	Commercial		150 roll	37500
<a href="#"><u>5</u></a>	Mthylated Spirit	Commercial		50 Liter	50,000
<a href="#"><u>6</u></a>	Potato Starch	Analytical		1500 gm	9000

Sr. No	Name of Chemical	Catalogue No.		Packing
<a href="#"><u>1</u></a>	2,4 dinitrophenyl hydrazine	D199303	Sigma Aldrich	25 gm
<a href="#"><u>2</u></a>	Proteose peptone No. 3	107229	Merck	500 gm
<a href="#"><u>3</u></a>	Calcium phosphate monobasic	567545	Merck	500 gm

<a href="#"><u>4</u></a>	Cobalt sulfate hepta hydrate	102556	<b>Merck</b>	250 gm
<a href="#"><u>5</u></a>	Methanol	113351	<b>Merck</b>	2.5 L
<a href="#"><u>6</u></a>	Gluconic acid potassium salt	820601	<b>Merck</b>	100 gm
<a href="#"><u>7</u></a>	Picric acid	197378	<b>Sigma Aldrich</b>	500 gm
<a href="#"><u>8</u></a>	Ferric citrate	103862	<b>Merck</b>	1 Kg
<a href="#"><u>9</u></a>	Sodium citrate	567446	<b>Merck</b>	100 gm (1kg)
<a href="#"><u>10</u></a>	Agar	12177	<b>Merck</b>	1 kg
<a href="#"><u>11</u></a>	Lactose	137045	<b>Merck</b>	10 gm
<a href="#"><u>12</u></a>	Thiamine hydrogen chloride	T-4625	<b>Sigma Aldrich</b>	25 gm
<a href="#"><u>13</u></a>	L-Proline	107430	<b>Merck</b>	100 gm
<a href="#"><u>14</u></a>	EDTA	4005	<b>Merck</b>	500 GM
<a href="#"><u>15</u></a>	Bradford Reagent	110306	<b>Merck</b>	500 ml
<a href="#"><u>16</u></a>	L-Tryptophan	6540	<b>Merck</b>	100 gm
<a href="#"><u>17</u></a>	Bromocresol purple	103025	<b>Merck</b>	5 gm
<a href="#"><u>18</u></a>	Acetone	100012	<b>Merck</b>	2.5L
<a href="#"><u>19</u></a>	Tuluene	107019	<b>Merck</b>	2.5L
<a href="#"><u>20</u></a>	Iron III sulfate	307718	<b>Sigma Aldrich</b>	1kg
<a href="#"><u>21</u></a>	Potassium di chromate	104865	<b>Merck</b>	500 gm
<a href="#"><u>22</u></a>	Succinic acid	822260	<b>Merck</b>	1kg
<a href="#"><u>23</u></a>	Glycerol	104092	<b>Merck</b>	1L
<a href="#"><u>24</u></a>	Sodium carbonate anhydrous	106392	<b>Merck</b>	1 kg
<a href="#"><u>25</u></a>	Molybdic acid	100400	<b>Merck</b>	1kg
<a href="#"><u>26</u></a>	Manganese (II) chloride tetra hydrate	105927	<b>Merck</b>	1 kg
<a href="#"><u>27</u></a>	Anthrone	101468	<b>Merck</b>	10gm
<a href="#"><u>28</u></a>	5-Sulfo salicylic acid dehydrate	800691	<b>Merck</b>	250gm
<a href="#"><u>29</u></a>	Glucose	108342	<b>Merck</b>	1Kg
<a href="#"><u>30</u></a>	Calcium phosphate tribasic	C5267	<b>Sigma Aldrich</b>	500 gm
<a href="#"><u>31</u></a>	Magnesium chloride hexahydrate	105833	<b>Merck</b>	1 kg
<a href="#"><u>32</u></a>	Potassium sulphate	105153	<b>Merck</b>	1 kg
<a href="#"><u>33</u></a>	Ammonium acetate	101116	<b>Merck</b>	1 kg
<a href="#"><u>34</u></a>	Aluminum chloride	845019	<b>Merck</b>	1 kg
<a href="#"><u>35</u></a>	Di sodium hydrogen phosphate	106566	<b>Merck</b>	500 gm
<a href="#"><u>36</u></a>	Nitric acid	101799	<b>Merck</b>	2.5 L
<a href="#"><u>37</u></a>	Sodium di hydrogen phosphate	106370	<b>Merck</b>	250 gm
<a href="#"><u>38</u></a>	Sodium acetate	106268	<b>Merck</b>	1 kg
<a href="#"><u>39</u></a>	Ethyle acetate	100789	<b>Merck</b>	2.5 L
<a href="#"><u>40</u></a>	P-iodo nitro tetrazolium		<b>Merck</b>	
<a href="#"><u>41</u></a>	a-ketobutyric acid	K-401	<b>Sigma Aldrich</b>	25 gm
<a href="#"><u>42</u></a>	1-Aminocyclopropane 1- Carboxylic acid	149101	<b>Merck</b>	1 gm
<a href="#"><u>43</u></a>	Sodium Chloride	106404	<b>Merk</b>	1 KG
<a href="#"><u>44</u></a>	Potassium Iodide	105043	<b>Merck</b>	500 gm
<a href="#"><u>45</u></a>	Manganese sulphate	102786	<b>Merck</b>	1 kg
<a href="#"><u>46</u></a>	Ninhydrin	106762	<b>Merck</b>	10 gm
<a href="#"><u>47</u></a>	Sodium Molybdate	106524	<b>Merck</b>	1 kg
<a href="#"><u>48</u></a>	Citric acid tri sodium salt	S 4641	<b>Sigma Aldrich</b>	500 gm
<a href="#"><u>49</u></a>	n-Hexane	100795	<b>Merck</b>	2.5 L
<a href="#"><u>50</u></a>	TSB	105459	<b>Merck</b>	500 gm
<a href="#"><u>51</u></a>	Tryptone	T7293	<b>Sigma Aldrich</b>	500 gm
<a href="#"><u>52</u></a>	Bovine serum albumin	12659	<b>Merck</b>	100 gm
<a href="#"><u>53</u></a>	Yeast extract powder	Y1625	<b>Sigma Aldrich</b>	500 gm
<a href="#"><u>54</u></a>	Sodium Lauryl Sarcosine	814715	<b>Merck</b>	100 gm
		61743	<b>Sigma Aldrich</b>	25 gm



<a href="#">55</a>	Trimethoprim	9231	<b>Sigma Aldrich</b>	5 gm
<a href="#">56</a>	Casamino acid	2240	<b>Merck</b>	500 gm

List of chemicals for Frame work Contract

Sr. No	Name of Items	Cat. No.	Pack	Price
<a href="#">1</a>	Acetone	A3855,2500	2.5lit	8435
<a href="#">2</a>	Sodium nitrite	A2195,1000	Kg	4732
<a href="#">3</a>	Ammonium thiocyanate	A3298,0500	500gm	6172
<a href="#">4</a>	Potassium ferrocyanide	A1867,0500	500gm	5555
<a href="#">5</a>	Hydrochloric acid	A0659,1000PE	1 lit	3703
<a href="#">6</a>	Sulfuric acid	A0417,1000	1lit	4321
<a href="#">7</a>	Aluminium choride	A1057,1000	Kg	7407
<a href="#">8</a>	Ninhydrin	A0902,0010	10gm	4115
<a href="#">9</a>	Potassium chloride	A1362,1000	Kg	3703
<a href="#">10</a>	Sodium dihydrogen phosphate	A1939,1000	Kg	4526
<a href="#">11</a>	L(+)- Ascorbic acid	A3604,0100	100gm	3703
<a href="#">12</a>	Tween®20	162312.1611	1lit	12344
<a href="#">13</a>	Thiobarbituric Acid	A4670,0025	25gm	5555
<a href="#">14</a>	Ethanol	A2795,2500	2.5lit	5761
<a href="#">15</a>	Agarose low EEO	A2114,0100	100gm	24072
<a href="#">16</a>	Triethanolamine	A5932,1000	1 lit	5143
<a href="#">17</a>	Chloroform pure	A0642,2500	2.5 lit	11933
<a href="#">18</a>	Petroleum ether 40 – 60	A0758,2500	2.5 lit	9258
<a href="#">19</a>	Toluene	141745.1611	1 lit	6584
<a href="#">20</a>	Methanol	A1833,2500	2.5 lit	6172
<a href="#">21</a>	Xylene	131769.1612	2.5 lit	14196
<a href="#">22</a>	Glycine	A4444,1000	1 Kg	5441
<a href="#">23</a>	Phenolphthalein	A1132,0100	100gm	3692
<a href="#">24</a>	TEMED	A1148,0100	100ml	5052
<a href="#">25</a>	Iron(II) sulfate	A1359,1000	1 Kg	3886
<a href="#">26</a>	D(+)- Glucose	A3617,1000	1 Kg	3498
<a href="#">27</a>	D(+)- Sucrose	A1125,1000	1Kg	3498
<a href="#">28</a>	Zinc acetate dehydrate	A4324,1000	1 kg	8938
<a href="#">29</a>	Citric acid anhydrous	A2344,1000	1 kg	5635
<a href="#">30</a>	Tris for buffer solutions	A1379,1000	1 kg	10493
<a href="#">31</a>	Tween ® 80	A1390,1000	1 lit	9327
<a href="#">32</a>	SDS	A7249,1000	1 Kg	8938
<a href="#">33</a>	Zinc sulfate	A1050,1000	1 kg	5635
<a href="#">34</a>	Nitric acid	A3122,,2500	2.5 lit	4858
<a href="#">35</a>	Sodium chloride	A1371,1000	1 Kg	3498
<a href="#">36</a>	Nitric acid	A3122,2500	2.5 lit	4858
<a href="#">37</a>	Formaldehyde	A2628,2500	2.5 lit	4663
<a href="#">38</a>	Boric acid	A3581,1000	1 Kg	5052
<a href="#">39</a>	Acetic acid	A0820,2500PE	2.5 lit	8744
<a href="#">40</a>	Giemsa – Solution	A0885,0500	500ml	4858
<a href="#">41</a>	Ethyl acetate	A0681,2500	2.5lit	6024
<a href="#">42</a>	Glycerol	A4443,2500	2.5lit	12047
<a href="#">43</a>	SDS	A1502,1000	1 kg	10104
<a href="#">44</a>	Ammonium persulfate	A0834,1000	1 Kg	5246
<a href="#">45</a>	TEMED	A1148,0100	100ml	5052
<a href="#">46</a>	Ammonium Acetate	131114.1211	1 kg	11853
<a href="#">47</a>	Cetyltrimethylammonium Bromide	A6284,0500	500gm	18654
<a href="#">48</a>	EDTA	A3553,1000	1 Kg	11270
<a href="#">49</a>	Isoaml Alcohol	121079.1212	2.5 lit	21763

<a href="#">50</a>	Sodium hydroxide	A1551,1000	1 Kg	4275
<a href="#">51</a>	Ammonium Acetate	131114.1211	1 kg	11853
<a href="#">52</a>	DNA Ladder 100 bp	A5216,0025	250ug	48966
<a href="#">53</a>	DNA – Isolation reagent for genomic DNA	A3418,0050	50 ml	24486
<a href="#">54</a>	DNA Isolation Spin-Kit Agarose	A5193,0050	50 Isol.	16905
<a href="#">55</a>	DNA Marker phage Lambda	A5194,0005	50 ug	6412
<a href="#">56</a>	DNaseI	A3778,0500	500 mg	56350
<a href="#">57</a>	Ortho – Phosphoric acid	A4231,2500	2.5 lit	7772
<a href="#">58</a>	Starch	A2223,1000	1 Kg	4275
<a href="#">59</a>	Boric acid	A3581,1000	1 Kg	5052
<a href="#">60</a>	Silver nitrate	A1376,0100	100gm	36142
<a href="#">61</a>	Dimethyl sulfoxide	A2765,2500	2.5lit	12436
<a href="#">62</a>	Isoamyl alcohol	A3611,1000	1 lit	10104
<a href="#">63</a>	Ethidium Bromide	A1151,0001	1 gm	4858
<a href="#">64</a>	PCR 2X master	W1401	1 mL	16000

Sr. No	Name of Chemical	Analytical/ Commercial	Cat. No	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	Ethanol	Lab grade		300 lit	4000/2.5 lit
<a href="#">2</a>	Ammonium Sulphate	Lab grade		1 kg	1800/kg
<a href="#">3</a>	Blades Microtome Disposable	Lab grade		2pkt	14000/Pkt
<a href="#">4</a>	Copper Sulfate	Lab grade		2 kg	2200/kg
<a href="#">5</a>	Call pack Diluent for Hematology	Lab grade		40 lit	26000/20lit
<a href="#">6</a>	DPX	Lab grade		1000ml	6500/500ml
<a href="#">7</a>	Di Sodium Hydrogen	Lab grade		4 kg	2400/kg
<a href="#">8</a>	Eosin	Lab grade		25g	1800/25g
<a href="#">9</a>	Hydrogen Per oxide	Lab grade		1 lit	1800/ltr
<a href="#">10</a>	Formalin	Lab grade		20 lit	1800/2.5 lit
<a href="#">11</a>	Giemsa Stain	Lab grade		25g	1800/25g
<a href="#">12</a>	Homatoxline	Lab grade		25g	9800/25g
<a href="#">13</a>	Methyl Alcohol	Lab grade		10 lit	1800/2.5lit
<a href="#">14</a>	Picric Acid	Lab grade		1000 g	6500/500g
<a href="#">15</a>	Potash Alum	Lab grade		2 kg	4800/kg
<a href="#">16</a>	Iodide	Lab grade		1 kg	18000/kg
<a href="#">17</a>	Paraffin	Lab grade		15 kg	4800/2.5kg
<a href="#">18</a>	Sodium di hydrogen	Lab grade		5kg	1800/kg
<a href="#">19</a>	Wright stein	Lab grade		25g	2200/25g
<a href="#">20</a>	Ammonium Acid	Lab grade		5 kg	4000/kg
<a href="#">21</a>	Eppendrof Tube	Lab grade		20 pkt	600/pkt
<a href="#">22</a>	Sulfuric Acid	Lab grade		2.5 lit	4800/2.5lit
<a href="#">23</a>	Potassium Iodide	Lab grade		1 kg	14000/kg
<a href="#">24</a>	Oxalic Acid	Lab grade		1 kg	2200/kg
<a href="#">25</a>	Diethyl ether	Lab grade		5lit	14500/lit
<a href="#">26</a>	Sodium Sulfite	Lab grade		1 kg	1800/kg
<a href="#">27</a>	EDTA	Lab grade		1 kg	4000/kg
<a href="#">28</a>	Xylene	Lab grade		10 lit	1800/2.5lit
<a href="#">29</a>	Glycerin	Lab grade		5 lit	2000/2.5
<a href="#">30</a>	Yellow tips	Lab grade		50	400/pkt
<a href="#">31</a>	Glacial Acetic Acid	Lab grade		5lit	2200/2.5lit
<a href="#">32</a>	Di Sodium hydrogen phosphate	Lab grade		5kg	2400/kg
<a href="#">33</a>	Sodium Chloride	Lab grade		3kg	1200/kg
<a href="#">34</a>	Hydrochloric Acid	Lab grade		10 lit	4800/kg
<a href="#">35</a>	Mercuric Oxide	Lab grade		25g	4800/25g
<a href="#">36</a>	Oil Immersion	Lab grade		1000 ml	6500/500ml
<a href="#">37</a>	Potassium di hydrogen Phosphate	Lab grade		3 kg	3400/kg
<a href="#">38</a>	Cover slips	Lab grade		10pkt	250/ pkt

<a href="#">39</a>	Slides	Lab grade		60 pkt	150/pkt
<a href="#">40</a>	Counting chamber	Lab grade		10 No	6500/E
<a href="#">41</a>	Dropper	Lab grade		25 No	10/E
<a href="#">42</a>	Gloves Polythen	Lab grade		100 pkt	100/pkt
<a href="#">43</a>	PCV Tube	Lab grade		15 pkt	60/E
<a href="#">44</a>	Plastic Mould	Lab grade		1250 No	10/E
<a href="#">45</a>	Petri Plate	Lab grade		6 pkt	175/E
<a href="#">46</a>	Staining Jars	Lab grade		30 No	1200/E
<a href="#">47</a>	WBC Pipette	Lab grade		12 No	400/E
<a href="#">48</a>	RBC Pipette	Lab grade		12 No	400/E
<a href="#">49</a>	Hemocytometer	Lab grade		10 No	6500/E
<a href="#">50</a>	Pipette filler	Lab grade		600 No	600/E
<a href="#">51</a>	Staining Basket	Lab grade		15 No	1800/E
<a href="#">52</a>	Filter Paper	Lab grade		01 pkt	2000/pkt

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	AI Rod	Commercial	6588	4000	80000
<a href="#">2</a>	AI Gloves	Commercial	6589	5000	40000
<a href="#">3</a>	Latex Gloves	Commercial	586051	12 Box	6000
<a href="#">4</a>	Liquid Paraffin	Commercial	P002	10 liters	1500
<a href="#">5</a>	Mustard Oil	Commercial		40 liters	8000
<a href="#">6</a>	Conical Flask 250 ml	Commercial	630435-250	12	1200
<a href="#">7</a>	Nutrient Agar	Commercial	M00010	500 gram	6500
<a href="#">8</a>	Nutrient Broth	Commercial	CM001	500 gram	6800
<a href="#">9</a>	Glass Slide	Commercial	287-860	24 Packet	1920
<a href="#">10</a>	Cover Slip	Commercial	287-903	12 packet	240
<a href="#">11</a>	Antibiotic Sensitivity Discs Gentamycin (50 packing)	Commercial	1364758	05	1750
<a href="#">12</a>	Antibiotic Sensitivity Discs Enrofloxacin	Commercial	14111912	05	1750
<a href="#">13</a>	Antibiotic Sensitivity Discs Penicillin	Commercial	14111913	05	1750
<a href="#">14</a>	Antibiotic Sensitivity Discs Oxytetracycline	Commercial	14111914	05	1750
<a href="#">15</a>	Antibiotic Sensitivity Discs Ciprofloxacin	Commercial	14111915	05	1750
<a href="#">16</a>	Sodium Citrate	Commercial	67h1001	500 gram	1000
<a href="#">17</a>	Eosin	Commercial	15405/0025	25 gram	2400
	Nigrosin		15405/0029	25 gram	3000
<a href="#">18</a>	Pippetor	Commercial	Model-A 190220000	2	6400
<a href="#">19</a>	Pippetor Tips	Commercial	Model-A 190220000	1000	300
<a href="#">20</a>	Folleys Catheter 24 guage 3 way	Commercial	19005/0230	24	9600
<a href="#">21</a>	Glycerol	Commercial	526k43391	2.5litre	3500
<a href="#">22</a>	Iodide	Commercial	86818	500gram	6500
<a href="#">23</a>	Sodium Chloride	Commercial	1613	1kg	600
<a href="#">24</a>	Glacial Acetic Acid	Commercial	914557	1kg	230
<a href="#">25</a>	Potassium Permagnate	Commercial	567	1kg	1700
<a href="#">26</a>	Volumetric flask 500ml	Commercial		1	350
<a href="#">27</a>	Dettol	Commercial	8501	2 liters	1080
<a href="#">28</a>	Fillter paper large	Commercial	8582	1 packet(100)	1700
<a href="#">29</a>	Tris	Commercial	R00377	250 gram	1750
<a href="#">30</a>	Formaline	Commercial		5 liters	400

<u>31</u>	Methanol	Commercial		5 liters	500
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Sr. No	Name of Chemical	Analytical/ Commercial	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Acetic acid, glacial 99.0~101.0 KP Cat # 1005-3304	Analytical	4L	2520
<a href="#"><u>2</u></a>	Acetic acid, glacial 99% EP Cat # 1005-4400	—	1KG	1260
<a href="#"><u>3</u></a>	Acetone/Solvent A	—	2.5L	5265
<a href="#"><u>4</u></a>	Acetylacetone 99% EP Cat # 1014-4400	—	1L	6720
<a href="#"><u>5</u></a>	Acetylcholine chloride, 98+% Cat # L02168	—	25G	9266
<a href="#"><u>6</u></a>	Acriflavine hydrochloride Cat # J60048	—	10G	6879
<a href="#"><u>7</u></a>	AGAR TECHNICAL (AGAR NO 3) Cat # LP0013B	—	500G	8775
<a href="#"><u>8</u></a>	Alcohol amylicuspuris	—		
<a href="#"><u>9</u></a>	Aluminum acetate, basic hydrate Cat # A11620	—	100G	8424
<a href="#"><u>10</u></a>	Aluminium ammonium sulfate dodecahydrate 99% EP Cat # 1031-4	—	500G	1260
<a href="#"><u>11</u></a>	Ammonium hydroxide 25~28%EP Cat # 1065-4400	—	1L	840
<a href="#"><u>12</u></a>	Ammonium acetate 98% EP Cat # 1052-4405	—	500G	1680
<a href="#"><u>13</u></a>	Ammonium sulfamate 98.5% EP Cat # 1081-4405	—	500G	1540
<a href="#"><u>14</u></a>	Ammonium chloride 99% EP Cat # 1060-4405	—	500G	980
<a href="#"><u>15</u></a>	di-Ammonium hydrogen citrate, reagent grade, ACS Cat # AM0332	—	500G	7670
<a href="#"><u>16</u></a>	Ammonium iron(II) sulfate hexahydrate 98% EP Cat # 1068-4405	—	500G	1960
<a href="#"><u>17</u></a>	Ammonium nitrate 99% EP Cat # 1075-4405	—	500G	1260
<a href="#"><u>18</u></a>	Ammonium oxalate monohydrate 99% EP Cat # 1076-4405	—	500G	2240
<a href="#"><u>19</u></a>	Ammonium persulfate 98% EP Cat # 1077-4405	—	500G	1260
<a href="#"><u>20</u></a>	Ammonium sulfate 99% EP Cat # 1082-4400	—	1KG	1400
<a href="#"><u>21</u></a>	Aniline Blue, water soluble GR Cat # 1087-4125	—	25G	2520
<a href="#"><u>22</u></a>	L(+)-Ascorbic acid 99% EP Cat # 1099-4425	—	25G	980
<a href="#"><u>23</u></a>	D-Lactose Cat # J66376	—	500G	31731
<a href="#"><u>24</u></a>	Methyl Red GR Cat # 5565-4125	—	25G	1820
<a href="#"><u>25</u></a>	Barbituric acid, 99% Cat # A10934	—	25G	5195
<a href="#"><u>26</u></a>	Barium carbonate 99% GR Cat # 2002-4105	—	500G	6300
<a href="#"><u>27</u></a>	Rose Bengal Cat # A17053	—	25G	9126
<a href="#"><u>28</u></a>	Benzoic acid 99.5% EP Cat # 2018-4405	—	500G	1400
<a href="#"><u>29</u></a>	Calcium hypochlorite CP Cat # 2512-1405	—	500G	980
<a href="#"><u>30</u></a>	Boric acid 99.5% EP Cat # 2036-4405	—	500G	1400
<a href="#"><u>31</u></a>	Bromocresol Green GR Cat # 2043-4125	—	25G	7420
<a href="#"><u>32</u></a>	Calcium carbonate 98% EP Cat # 2505-4400	—	1KG	1540
<a href="#"><u>33</u></a>	Calcium chloride anhydrous CP Cat # 2507-1400	—	1KG	2380
<a href="#"><u>34</u></a>	Calcium gluconate 98% EP Cat # 2509-4405	—	500G	3500

<a href="#">35</a>	Calcium lactate	—		N/Q
<a href="#">36</a>	Calcium phosphate monobasic 95% EP Cat # 2518-4405	—	500G	1680
<a href="#">37</a>	Calcium phosphate tribasic CP Cat # 2519-1405	—	500G	2240
<a href="#">38</a>	DL-Camphor 96% EP Cat # 2524-4405	—	500G	3500
<a href="#">39</a>	Carbon tetrachloride	—		N/Q
<a href="#">40</a>	Cedar oil EP Cat # 2536-4425	—	25G	980
<a href="#">41</a>	Chloroform 99.8% HPLC Cat # 2548-2304	—	4L	8540
<a href="#">42</a>	Cholesterol EP Cat # 2552-4425	—	25G	2800
<a href="#">43</a>	Chromium(III) chloride, anhydrous, 99.9% (metals basis) Cat # 0356	—	5G	10671
<a href="#">44</a>	Citric acid monohydrate 99.5% EP Cat # 2562-4405	—	500G	1120
<a href="#">45</a>	Cobalt(II) oxide, 95% Cat # 023141	—	25G	26676
<a href="#">46</a>	Copper(II) chloride anhydrous 95% CP Cat # 2645-1405	—	500G	7700
<a href="#">47</a>	Copper(I) oxide 95% CP Cat # 2580-1405	—	500G	5880
<a href="#">48</a>	D(-)-Fructose 98% EP Cat # 4047-4405	—	500G	1960
<a href="#">49</a>	D(+)-Galactose 98% GR Cat # 4053-4125	—	25G	2660
<a href="#">50</a>	Dextrose(Glucose) 98% EP Cat # 3020-4405	—	500G	840
<a href="#">51</a>	Ammonium phosphate dibasic 99% EP Cat # 1078-4405	—	500G	1260
<a href="#">52</a>	Diethyl ether/Solvent D.E.E	—	1L	0
<a href="#">53</a>	Diphenylcarbazone 60% GR Cat # 3066-4125	—	25G	6580
<a href="#">54</a>	Potassium oxalate monohydrate 99% EP Cat # 6604-4405	—	500G	2240
<a href="#">55</a>	Sodium phosphate dibasic anhydrous 99% EP Cat # 7613-4405	—	500G	1540
<a href="#">56</a>	D(+)-Maltose monohydrate 92% EP Cat # 5522-4425	—	25G	1400
<a href="#">57</a>	Ethanol/Solvent E	—	2.5L	3627
<a href="#">58</a>	Methylene blue, carbol solution, for microscopy Cat # AZ02060500	—	500ML	5,200.00
<a href="#">59</a>	Iron(III) sulfate n-hydrate 60~80% EP Cat # 16029-74		1KG	0
<a href="#">60</a>	Iron(III) sulfate hydrate, reagent grade Cat # HI03521000		1KG	7930
<a href="#">61</a>	Iron(II) sulfate heptahydrate 98~102.5% EP Cat # 5017-4405		500G	980
<a href="#">62</a>	Formaldehyde 35% EP Cat # 4044-4400		1L	1260
<a href="#">63</a>	Formic acid 85% EP Cat # 4046-4405		500G	1260
<a href="#">64</a>	Iron(III) chloride, anhydrous, 98% Cat # 012357		10G	11092
<a href="#">65</a>	Gelatin CP Cat # 4055-1405		500G	2380
<a href="#">66</a>	Crystal Violet GR Cat # 2601-4125		25G	1400
<a href="#">67</a>	Glycerine 99% EP Cat # 4066-4405		500G	1540
<a href="#">68</a>	Hematoxylin, C.I. 75290, pH indicator Cat # HE00700005		5G	5720
<a href="#">69</a>	Tris(hydroxymethyl)aminomethane 99% EP Cat # 8565-4405		500G	7000
<a href="#">70</a>	Iodine 99% EP Cat # 5010-4405		500G	13720
<a href="#">71</a>	Iron(II) chloride, anhydrous, 99.5% (metals basis) Cat # 031141		5G	17691
<a href="#">72</a>	Isoamyl alcohol 98% EP Cat # 5029-4405		500ML	2380

<a href="#"><u>73</u></a>	Leishman Stain Cat # A11644		25G	10389
<a href="#"><u>74</u></a>	Lead(II) acetate trihydrate 99% EP Cat # 5075-4405		500G	2125
<a href="#"><u>75</u></a>	Lithium chloride anhydrous 98% EP Cat # 5086-4405		500G	5000
<a href="#"><u>76</u></a>	MAC-CONKEY AGAR Cat # CM0007B		500G	9214
<a href="#"><u>77</u></a>	Magnesium chloride anhydrous 98% EP Cat # 5504-4405		500G	4125
<a href="#"><u>78</u></a>	Magnesium hydroxide CP Cat # 5506-1405		500G	1375
<a href="#"><u>79</u></a>	D(+)-Maltose monohydrate 92% EP Cat # 5522-4425		25G	1250
<a href="#"><u>80</u></a>	Mercury(II) iodide, red 99% GR Cat # 5543-4125		25G	2000
<a href="#"><u>81</u></a>	2-Mercapto-1-methylimidazole, 98% Cat # A13094		25G	18533
<a href="#"><u>82</u></a>	Methyl alcohol 99.5% EP Cat # 5558-4404		4L	2240
<a href="#"><u>83</u></a>	Methyl acetate 99% EP Cat # 5555-4400		1L	2375
<a href="#"><u>84</u></a>	Methyl Red GR Cat # 5565-4125		25G	1625
<a href="#"><u>85</u></a>	Methyl salicylate 98% EP Cat # 5569-4405		500G	2250
<a href="#"><u>86</u></a>	Sodium nitrite 98% EP Cat # 7601-4405		500G	1125
<a href="#"><u>87</u></a>	1-Naphthol 97% EP Cat # 5597-4425		25G	1250
<a href="#"><u>88</u></a>	Nicotinic acid 99.5% EP Cat # 5614-4405		500G	5625
<a href="#"><u>89</u></a>	NUTRIENT AGAR Cat # CM0003B		500G	8336
<a href="#"><u>90</u></a>	Oxalic acid dihydrate 99.5~100.2% EP Cat # 5640-4405		500G	1375
<a href="#"><u>91</u></a>	Paraffin liquid EP Cat # 6503-4405		500ML	1125
<a href="#"><u>92</u></a>	Perchloric acid 70% GR Cat # 6513-4105		500G	4125
<a href="#"><u>93</u></a>	Picric acid, extra pure (with approx. 30% H2O) Cat # AC17690250		250G	14560
<a href="#"><u>94</u></a>	Potassium bromide 99~100.5% EP Cat # 6563-4405		500G	2000
<a href="#"><u>95</u></a>	Potassium chloride 99% EP Cat # 6566-4405		500G	875
<a href="#"><u>96</u></a>	Potassium hydroxide, pellet 85% EP Cat # 6584-4405		500G	1375
<a href="#"><u>97</u></a>	Potassium iodide 99.5% EP Cat # 6599-4425		25G	875
<a href="#"><u>98</u></a>	Potassium nitrate 99% EP Cat # 6603-4405		500G	1500
<a href="#"><u>99</u></a>	Potassium sulfate 99% EP Cat # 6621-4405		500G	1125
<a href="#"><u>100</u></a>	Pyridine 99.5% EP Cat # 6631-4405		500ML	4125
<a href="#"><u>101</u></a>	Silver(I) nitrate 99.8% GR Cat # 7520-4125		25G	8750
<a href="#"><u>102</u></a>	Silver(I) sulfate 99.5% GR Cat # 7524-4125		25G	8500
<a href="#"><u>103</u></a>	Single super phosphate			
<a href="#"><u>104</u></a>	Sodium acetate anhydrous 99% EP Cat # 7527-4405		500G	1125
<a href="#"><u>105</u></a>	Sodium hydrogen carbonate 99~100.5% EP Cat # 7566-4405		500G	750
<a href="#"><u>106</u></a>	Sodium hydrogen carbonate 99~100.5% EP Cat # 7566-4400		1KG	1250
<a href="#"><u>107</u></a>	Sodium chloride 99% EP Cat # 7548-4400		1KG	1125



<a href="#"><u>108</u></a>	Sodium citrate dihydrate 99% EP Cat # 7555-4405		500G	1375
<a href="#"><u>109</u></a>	Sodium hydrogen carbonate 99~100.5% EP Cat # 7566-4405		500G	750
<a href="#"><u>110</u></a>	Sodium hydrogen carbonate 99~100.5% EP Cat # 7566-4400		1KG	1250
<a href="#"><u>111</u></a>	Sodium hydroxide, pellet 97% EP Cat # 7570-4405		500G	1125
<a href="#"><u>112</u></a>	Sodium nitrate 99% EP Cat # 7599-4405		500G	1125
<a href="#"><u>113</u></a>	Sodium perchlorate monohydrate 98% EP Cat # 7732-4405		500G	3375
<a href="#"><u>114</u></a>	Sodium sulfate anhydrous 99% EP Cat # 7630-4405		500G	750
<a href="#"><u>115</u></a>	Starch, soluble EP Cat # 7663-4405		500G	1500
<a href="#"><u>116</u></a>	Saccharose EP Cat # 7501-4405		500G	750
<a href="#"><u>117</u></a>	1-Amino-2-naphthol-4-sulfonic acid 97% GR Cat # 1046-4125		25G	2250
<a href="#"><u>118</u></a>	Sulfuric Acid 95% EP Cat # 7683-4405		500G	3861
<a href="#"><u>119</u></a>	Thiourea, extra pure Cat # TI03001000		1KG	5590
<a href="#"><u>120</u></a>	Sodium citrate dihydrate 99% EP Cat # 7555-4405		500G	1375
<a href="#"><u>121</u></a>	Trichloroacetic acid, flake 99% EP Cat # 8549-4405		500G	6000
<a href="#"><u>122</u></a>	Urea phosphate			
<a href="#"><u>123</u></a>	Uric acid, 99% Cat # A13346		25G	9828
<a href="#"><u>124</u></a>	Vacutainer evacuated glass container			
<a href="#"><u>125</u></a>	Xylene 80% EP Cat # 8587-4404		4L	3375
<a href="#"><u>126</u></a>	Zinc carbonate basic, 97%, Zn >58.0% cat # A14590		250gm	6178
<a href="#"><u>127</u></a>	Glass Beakers 50 ml	—	12 Nos.	800
<a href="#"><u>128</u></a>	Glass Beakers 100 ml	—	12 Nos.	1200
<a href="#"><u>129</u></a>	Glass Beakers 250 ml	—	12 Nos.	1200
<a href="#"><u>130</u></a>	Glass Beakers 500 ml	—	6 Nos.	900
<a href="#"><u>131</u></a>	Glass Beakers 1000 ml	—	6 Nos.	1200
<a href="#"><u>132</u></a>	Glass Flasks 100ml	—	12 Nos.	1200
<a href="#"><u>133</u></a>	Glass Flasks 250ml	—	12 Nos.	1200
<a href="#"><u>134</u></a>	Glass Flasks 500ml	—	6 Nos.	1150
<a href="#"><u>135</u></a>	Glass Flasks 1000ml	—	6 Nos.	1450
<a href="#"><u>136</u></a>	Graduated glass cylinders 100 ml	—	6 Nos.	700
<a href="#"><u>137</u></a>	Graduated glass cylinders 500 ml	—	6 Nos.	950
<a href="#"><u>138</u></a>	Glass Pipette 1ml	—	6 Nos.	400
<a href="#"><u>139</u></a>	Glass Pipette 5ml	—	6 Nos.	600
<a href="#"><u>140</u></a>	Glass Slides	—	100 Pkt.	8000
<a href="#"><u>141</u></a>	Glass Pipette 10ml	—	12 Nos.	600
<a href="#"><u>142</u></a>	Pipette Filler/sucker	—	10 Nos.	2000
<a href="#"><u>143</u></a>	Dropping Bottles	—	24 Nos.	2400
<a href="#"><u>144</u></a>	Centrifuge Tubes Plastic 15ml.	—	200 Nos.	3000
<a href="#"><u>145</u></a>	Falcon Tubes Plastic 50ml.	-	200 Nos.	4400



Sr · No	Name of Chemical	Analytical/ Commercial	Cat. No.	Estimated Quantity to be procured in F/Y 2018- 19	Estimated Amount
<a href="#">1</a>	NUTRIENT BROTH	Analytical	cat#CM0001B	500gm	7722
<a href="#">2</a>	NUTRIENT AGAR	—	cat#CM0003B	500gm	6669
<a href="#">3</a>	MAC-CONKEY BROTH	—	cat#CM0005B	500gm	8424
<a href="#">4</a>	MAC-CONKEY AGAR	—	cat#CM0007B	500gm	7371
<a href="#">5</a>	BRAIN HEART INFUSION	—	cat#CM1135B	500gm	6318
<a href="#">6</a>	CAMPYLOBACTER AGAR BASE	—	cat#CM0689B	500gm	19656
<a href="#">7</a>	BRUCELLA AGAR (USA)	—	cat#CM0691B	500gm	14742
<a href="#">8</a>	MUELLER HINTON AGAR	—	cat#CM0337B	500gm	7020
<a href="#">9</a>	SIMMONS CITRATE AGAR	—	cat#CM0155B	500gm	9828
<a href="#">10</a>	S S AGAR	—	cat#CM0099B	500gm	10530
<a href="#">11</a>	SABOURAUD DEXTROSE AGAR	—	cat#CM0041B	500gm	5616
<a href="#">12</a>	TETRATHIONATE BROTH BASE	—	Cat # CM0029B	500gm	6000
<a href="#">13</a>	THIOGLYCOLLATE FLUID MEDIUM	—	cat#CM0173B	500gm	6318
<a href="#">14</a>	TRYPTONE SOYA BROTH	—	cat#CM0129B	500gm	4300
<a href="#">15</a>	MYCOPLASMA AGAR BASE	—	cat#CM0401B	500gm	19656
<a href="#">16</a>	STAPHYLOCOCCUS MEDIUM NO 110	—	cat#CM0145B	500gm	15444
<a href="#">17</a>	TRYPTONE SOYA AGAR	—	cat#CM0131B	500gm	4600
<a href="#">18</a>	REINFORCED CLOSTRIDIAL AGAR	—	cat#CM0151B	500gm	16146
<a href="#">19</a>	TETRATHIONATE BROTH (USA)	—	cat#CM0671B	500gm	11934
<a href="#">20</a>	M.R.S.AGAR	—	cat#CM0361B	500gm	16146
<a href="#">21</a>	TRIPLE SUGAR IRON AGAR	—	cat#CM0277B	500gm	6669
<a href="#">22</a>	BRAIN HEART INFUSION	—	cat#CM1136B	500gm	21060
<a href="#">23</a>	Noble agar	—		500gm	41250
<a href="#">24</a>	POTATO DEXTROSE AGAR	—	cat#CM0139B	500gm	13338
<a href="#">25</a>	XLD MEDIUM	—	cat#CM0469B	500gm	6669
<a href="#">26</a>	Chrome Agar	—		500gm	12350
<a href="#">27</a>	Loria Broth	—	cat#02-384-500	500gm	18800
<a href="#">28</a>	Peptone BIO	—	cat#6511-1105	2 kg	28000
<a href="#">29</a>	LAB-LEMCO POWDER (BEEF EXTRACT)	—	cat#LP0029B	1 kg	24000
<a href="#">30</a>	YEAST EXTRACT (POWDER)	—	cat#LP0021B	2 kg	36000
<a href="#">31</a>	Sodium chloride 99% EP	—	cat#7548-4405	2 kg	2000
<a href="#">32</a>	Hydrogen peroxide 30% EP	—	cat#4104-4400	1kg	1000
<a href="#">33</a>	Isopropyl alcohol 99.5% EP	—	cat#5035-4404	4L	2700
<a href="#">34</a>	Isoamyl alcohol 98% EP	—	cat#5029-4405	500ml	1700
<a href="#">35</a>	Hydrochloric acid 35% EP	—	cat#4090-4400	1 Kg	2223
<a href="#">36</a>	Hydrochloric acid, solution 35% w/w, synthesis grade	—		1 Kg	11583
<a href="#">37</a>	Potassium iodide 99.5% EP	—	cat#6599-4425	25gm	700
<a href="#">38</a>	Cedar oil EP	—	cat#2536-4425	25gm	700
<a href="#">39</a>	Dimethyl sulfoxide 99.5% EP	—	cat#3047-4405	500gm	1400
<a href="#">40</a>	Sulfuric acid 95% 95% GR	—	cat#7781-4100	1 kg	3042
<a href="#">41</a>	Phenol 99% EP	—	cat#6521-4400	1 kg	1400
<a href="#">42</a>	Glycerine 99% EP	—	cat#4066-4405	500gm	1100
<a href="#">43</a>	Sodium deoxycholate, 97%	—	cat#J62288	25gm	8190
<a href="#">44</a>	Phenol red GR	—	cat#6522-4125	25gm	2400
<a href="#">45</a>	1-Naphthol 97% EP	—	cat#5597-4425	25gm	1000
<a href="#">46</a>	EDTA 98.5% EP	—	cat#4000-4405	500gm	1800
<a href="#">47</a>	Potassium hydroxide, pellet	—	cat#6584-4405	500gm	1100

	85% EP				
<a href="#"><u>48</u></a>	Sodium acetate anhydrous 99% EP	—	cat#7527-4405	500gm	900
<a href="#"><u>49</u></a>	Dextrose 98% EP	—	cat#3020-4405	1000gm	1200
<a href="#"><u>50</u></a>	Lactose monohydrate EP	—	cat#5058-4405	500gm	1000
<a href="#"><u>51</u></a>	D-Mannitol 99.5% EP	—	cat#5534-4405	500gm	2100
<a href="#"><u>52</u></a>	D(-)-Fructose 98% EP	—	cat#4047-4425	25gm	500
<a href="#"><u>53</u></a>	L(+)-Arabinose EP	—	cat#1123-4425	25gm	7600
<a href="#"><u>54</u></a>	L-Ornithine hydrochloride, extra pure	—	cat#OR00550025	25gm	3100
<a href="#"><u>55</u></a>	Tetramethyl-p-phenylenediamine dihydrochloride	—		5 G	7500
<a href="#"><u>56</u></a>	Lactophenol Cotton Blue	—		100 ML	6000
<a href="#"><u>57</u></a>	KOVAC's Reagent	—		100 ML	4500
<a href="#"><u>58</u></a>	Acetic Acid	—		2.5 Ltr.	2,200.00
<a href="#"><u>59</u></a>	Glass Beakers 50 ml	—		12 Nos.	800
<a href="#"><u>60</u></a>	Glass Beakers 100 ml	—		12 Nos.	1200
<a href="#"><u>61</u></a>	Glass Beakers 250 ml	—		12 Nos.	1200
<a href="#"><u>62</u></a>	Glass Beakers 500 ml	—		6 Nos.	900
<a href="#"><u>63</u></a>	Glass Beakers 1000 ml	—		6 Nos.	1200
<a href="#"><u>64</u></a>	Glass Flasks 100ml	—		12 Nos.	1200
<a href="#"><u>65</u></a>	Glass Flasks 250ml	—		12 Nos.	1200
<a href="#"><u>66</u></a>	Glass Flasks 500ml	—		6 Nos.	1150
<a href="#"><u>67</u></a>	Glass Flasks 1000ml	—		6 Nos.	1450
<a href="#"><u>68</u></a>	Graduated glass cylinders 100 ml	—		6 Nos.	700
<a href="#"><u>69</u></a>	Graduated glass cylinders 500 ml	—		6 Nos.	950
<a href="#"><u>70</u></a>	Glass Pipette 1ml	—		6 Nos.	400
<a href="#"><u>71</u></a>	Glass Pipette 5ml	—		6 Nos.	600
<a href="#"><u>72</u></a>	Glass Slides	—		100 Pkt.	8000
<a href="#"><u>73</u></a>	Glass Pipette 10ml	—		12 Nos.	600
<a href="#"><u>74</u></a>	Pipette Filler/sucker	—		10 Nos.	2000
<a href="#"><u>75</u></a>	Dropping Bottles	—		24 Nos.	2400
<a href="#"><u>76</u></a>	Centrifuge Tubes Plastic 15ml.	—		200 Nos.	3000
<a href="#"><u>77</u></a>	Falcon Tubes Plastic 50ml.	—		200 Nos.	4400

Analytical grade Chemicals

Sr.No	Chemical Name	Quantity	Tentative Price (PKR)
<a href="#"><u>1</u></a>	1,1,2,2 Tetrachloroelhane	2.5 Ltr	5000
<a href="#"><u>2</u></a>	1-Bromodecane	250 ml	5000
<a href="#"><u>3</u></a>	1-Bromohexane	250 mL	6500
<a href="#"><u>4</u></a>	1-Methylimidazole	1 Ltr	12000
<a href="#"><u>5</u></a>	1-Naphthol	1 kg	4000
<a href="#"><u>6</u></a>	1-Naphthol-3,6-Disulfomic Acid	1 kg	5000
<a href="#"><u>7</u></a>	1-Naphthylamine-7-Sulfoinc Acid	500 gm	5000
<a href="#"><u>8</u></a>	2 Naphthol Beta Naphthol	1 kg	6000
<a href="#"><u>9</u></a>	2- Propanol	2.5 ltr	4000
<a href="#"><u>10</u></a>	2-methoxyethanol	250 ml	6000
<a href="#"><u>11</u></a>	2-Nitro aniline	25 g	7500
<a href="#"><u>12</u></a>	3,3,4,4-Benzo- Phenontetracarboxylic dianhydride	500 gm	10000
<a href="#"><u>13</u></a>	3,5-Dinitrosalicylic Acid	500 gm	5000
<a href="#"><u>14</u></a>	3-Amino Benzoic Acid	500 gm	4000
<a href="#"><u>15</u></a>	3-Chloroanisole	250 gm	5000
<a href="#"><u>16</u></a>	3-Chlorodbenzoic Acid	500 gm	5000
<a href="#"><u>17</u></a>	4,4'-Oxydianiline	500g	8000
<a href="#"><u>18</u></a>	4-Aminophenol	250 gm	3500
<a href="#"><u>19</u></a>	4-Chlorophenol	250 gm	3500
<a href="#"><u>20</u></a>	4-nitro aniline	250 gm	6500
<a href="#"><u>21</u></a>	4-Nitroanisole	250 gm	5500
<a href="#"><u>22</u></a>	4-Nitrophenol	500 gm	5500
<a href="#"><u>23</u></a>	Acetaldehyde	2 Kg	4000
<a href="#"><u>24</u></a>	Acetamid	500 gm	4500
<a href="#"><u>25</u></a>	Acetamidrid	100g	6000
<a href="#"><u>26</u></a>	Acetanilide	2 Ltr	6500
<a href="#"><u>27</u></a>	Acetic Acid (HPLC)	2.5Ltr	3500
<a href="#"><u>28</u></a>	Acetonitrile	2.5 Ltr	5000
<a href="#"><u>29</u></a>	Acetyl salicylic Acid	500 gm	5000
<a href="#"><u>30</u></a>	Acrlic Acid	500 ml	4000
<a href="#"><u>31</u></a>	Acryl amide -BIS	500 gm	4000
<a href="#"><u>32</u></a>	Adipic acid	1Kg	5000
<a href="#"><u>33</u></a>	Agar agar	500 gm	6000
<a href="#"><u>34</u></a>	Aluminium Acetate	1 kg	5000
<a href="#"><u>35</u></a>	Aluminium Nitrate	500 GM	5500
<a href="#"><u>36</u></a>	Aluminum Carbonate	1 kg	5000
<a href="#"><u>37</u></a>	Aluminum chloride	500 gm	4000
<a href="#"><u>38</u></a>	Aluminum Hydroxide	1 kg	6000
<a href="#"><u>39</u></a>	Aluminum Oxide	500 gm	3000
<a href="#"><u>40</u></a>	Aluminum Sulfate	500 gm	4000
<a href="#"><u>41</u></a>	Amberlite	500 gm	70003
<a href="#"><u>42</u></a>	Ammonium Acetate	1 kg	4500
<a href="#"><u>43</u></a>	Ammonium Bromide	500 gm	4000
<a href="#"><u>44</u></a>	Ammonium chloride	500 gm	6500
<a href="#"><u>45</u></a>	Ammonium Citrate	1 kg	7000
<a href="#"><u>46</u></a>	Ammonium Dichromate	1 kg	7000
<a href="#"><u>47</u></a>	Ammonium Dihydrogen Phosphate	500 gm	4000
<a href="#"><u>48</u></a>	Ammonium Fluoride	500g	12000
<a href="#"><u>49</u></a>	Ammonium Hydrogen Carbonate	1 kg	5000
<a href="#"><u>50</u></a>	Ammonium Hydrogen Phosphate	1 kg	5000
<a href="#"><u>51</u></a>	Ammonium Iron (II) Sulfate	500 gm	3500

<a href="#"><u>52</u></a>	Ammonium Iron (III) Sulfate	1 kg	6000
<a href="#"><u>53</u></a>	Ammonium metavanadate	500 G	8000
<a href="#"><u>54</u></a>	Ammonium per sulfate	1Kg	4000
<a href="#"><u>55</u></a>	Ammonium Sulfamate	1 kg	5500
<a href="#"><u>56</u></a>	Ammonium Sulfate	1 kg	7000
<a href="#"><u>57</u></a>	Ammonium Thiocyante	1 kg	6500
<a href="#"><u>58</u></a>	Ammonium tungstate	1Kg	5000
<a href="#"><u>59</u></a>	Ammonium Vanadate	500 gm	2000
<a href="#"><u>60</u></a>	Amylase	250 gm	1500
<a href="#"><u>61</u></a>	Aniline	2ltr	5000
<a href="#"><u>62</u></a>	Anisole	250 gm	2000
<a href="#"><u>63</u></a>	Anthracene	500 gm	5000
<a href="#"><u>64</u></a>	Anthron	1 kg	6000
<a href="#"><u>65</u></a>	Antimany Trichloride	500 gm	4100
<a href="#"><u>66</u></a>	Antimon (III) Sulfid	500 gm	4000
<a href="#"><u>67</u></a>	Antimony Metal (Powder)	500 gm	6000
<a href="#"><u>68</u></a>	Arsenic Trioxide	1 kg	7000
<a href="#"><u>69</u></a>	Ascorbic Acid	1 kg	4500
<a href="#"><u>70</u></a>	Barium Carbonate	500 gm	5000
<a href="#"><u>71</u></a>	Barium Chloride	500 gm	3000
<a href="#"><u>72</u></a>	Barium Sulphate	1 kg	6000
<a href="#"><u>73</u></a>	Benzaldehyde	500 gm	7000
<a href="#"><u>74</u></a>	Benzene (HPLC)	2.5 ltr	8000
<a href="#"><u>75</u></a>	Benzil	250 gm	5000
<a href="#"><u>76</u></a>	Benzimidazole	250 gm	5000
<a href="#"><u>77</u></a>	Benzophenone	500 gm	7000
<a href="#"><u>78</u></a>	Benzophenone-3,3',4,4'- tetracarboxylic dianhydride	250 g	8000
<a href="#"><u>79</u></a>	Benzyl bromide	250 ml	5000
<a href="#"><u>80</u></a>	Bismuth Chloride	1Kg	12000
<a href="#"><u>81</u></a>	Bismuth nitrate pentahydrate	1Kg	8000
<a href="#"><u>82</u></a>	Bismuth Ox chloride	500 gm	5000
<a href="#"><u>83</u></a>	Bismuth Oxide	500 gm	6000
<a href="#"><u>84</u></a>	Bismuth oxynitrate	500 gm	6000
<a href="#"><u>85</u></a>	Bismuth tungstate	500 g	6500
<a href="#"><u>86</u></a>	Boric Acid	2 kg	8500
<a href="#"><u>87</u></a>	Bromine	1 kg	6000
<a href="#"><u>88</u></a>	Butanol	2.5ltr	5500
<a href="#"><u>89</u></a>	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub> (L(+)) weinsäure --- L (+) Trataric Acid	1Kg	6500
<a href="#"><u>90</u></a>	Cadmium Acetate	200g	15000
<a href="#"><u>91</u></a>	Cadmium Carbonate	500 gm	4500
<a href="#"><u>92</u></a>	Cadmium chloride	500 g	8500
<a href="#"><u>93</u></a>	Cadmium Chloride	500 gm	4000
<a href="#"><u>94</u></a>	Cadmium Nitrate	500 gm	5500
<a href="#"><u>95</u></a>	Cadmium Sulfate	50 g	8000
<a href="#"><u>96</u></a>	Caffeine	1 KG	5000
<a href="#"><u>97</u></a>	Calcium Bicarbonate	1 Kg	6000
<a href="#"><u>98</u></a>	Calcium Chloride	500g	5000
<a href="#"><u>99</u></a>	Calcium Hydrogen Phosphate	2 Kg	7000
<a href="#"><u>100</u></a>	Calcium Hydroxide	1 kg	4500
<a href="#"><u>101</u></a>	Calcium Nitrate	500 gm	8000
<a href="#"><u>102</u></a>	Calcium Sulphate	1 kg	9000
<a href="#"><u>103</u></a>	Carbendazim	100g	6200
<a href="#"><u>104</u></a>	Carbon disulfide	500 mL	7500
<a href="#"><u>105</u></a>	Carboxymethy cellulose	1 kg	6200
<a href="#"><u>106</u></a>	Cellulose , Microcrystalline	1 kg	2500

<a href="#"><u>107</u></a>	Cellulose Acetate	1 kg	5000
<a href="#"><u>108</u></a>	cerium sulphate	250 gm	6500
<a href="#"><u>109</u></a>	Cetyltrimethylammonium bromide (CTAB)	500 gm	5500
<a href="#"><u>110</u></a>	Cetyltrimethylammonium chloride ( CTAC )	500 gm	5000
<a href="#"><u>111</u></a>	Chloroauric acid	1gm	11000
<a href="#"><u>112</u></a>	Chlorobutane	2.5 Ltr	6500
<a href="#"><u>113</u></a>	Chloroform	2.5 ltr	4500
<a href="#"><u>114</u></a>	Choline chloride	1 kg	8000
<a href="#"><u>115</u></a>	Chromic Acid	500 gm	6000
<a href="#"><u>116</u></a>	Chromium (III) Nitrate	500 gm	9000
<a href="#"><u>117</u></a>	Chromium (III) Sulfate	500 gm	8500
<a href="#"><u>118</u></a>	Chromium chloride	1 kg	10000
<a href="#"><u>119</u></a>	Cinnamic Acid	500 gm	8000
<a href="#"><u>120</u></a>	Citric Acid	1 kg	6500
<a href="#"><u>121</u></a>	Cobalt (II) Chloride	1Kg	7000
<a href="#"><u>122</u></a>	Cobalt Nitrate	1Kg	7500
<a href="#"><u>123</u></a>	Cobalt Nitrate	1Kg	5500
<a href="#"><u>124</u></a>	Cobat Sulphate	1Kg	8000
<a href="#"><u>125</u></a>	Congo Red	250 gm	4700
<a href="#"><u>126</u></a>	Copper Acetate	1kg	5000
<a href="#"><u>127</u></a>	Copper Chloride	1Kg	5000
<a href="#"><u>128</u></a>	Copper Nitrate	1Kg	4000
<a href="#"><u>129</u></a>	copper oxide	500 g	9500
<a href="#"><u>130</u></a>	Copper Sulfate	500 gm	9000
<a href="#"><u>131</u></a>	Crystal Violet	250 gm	4000
<a href="#"><u>132</u></a>	CTAB	1Kg	5000
<a href="#"><u>133</u></a>	Di- Sodium Hydrogen Phosphate	1 Kg	6300
<a href="#"><u>134</u></a>	Diacetyl monoxim	500 gm	6000
<a href="#"><u>135</u></a>	Diatomaceous Earth (Slica)	1 kg	7000
<a href="#"><u>136</u></a>	Diethanolamine	500 g	8500
<a href="#"><u>137</u></a>	Diethyl ether	1L	12000
<a href="#"><u>138</u></a>	Diethylene Glycol	01 ltr	4000
<a href="#"><u>139</u></a>	Diethylenetriamine	1L	5000
<a href="#"><u>140</u></a>	Dimethylsulphoxide (DMSO)	1L	15000
<a href="#"><u>141</u></a>	Dithio oxamide	100 gm	6200
<a href="#"><u>142</u></a>	Epichloriderin	500 ml	4500
<a href="#"><u>143</u></a>	Erichrome Black-T (EBT)	250 gm	5000
<a href="#"><u>144</u></a>	Ethidium Bromide	100 gm	6000
<a href="#"><u>145</u></a>	Ethyl Silicate	01 ltr	8500
<a href="#"><u>146</u></a>	Ethyl voilet	25 g	12000
<a href="#"><u>147</u></a>	Ethylene glycol	2.5 L	10000
<a href="#"><u>148</u></a>	Ethylenediamine	1 Ltr	6500
<a href="#"><u>149</u></a>	Ethylenediamine Hydrochloride	500 gm	6000
<a href="#"><u>150</u></a>	Ethylenediaminetetra acetic Acid Disodium (EDTA)	1 Kg	5500
<a href="#"><u>151</u></a>	Eugenol	250 ml	4500
<a href="#"><u>152</u></a>	Europium nitrate hexahydrate	10 gm	9500
<a href="#"><u>153</u></a>	Ferric Acetate	1Kg	5500
<a href="#"><u>154</u></a>	ferric nitrate nonahydrate	1 kg	12000
<a href="#"><u>155</u></a>	Ferric Sulphide	1Kg	9000
<a href="#"><u>156</u></a>	Folin & Ciocalteus’s	2 Ltr	9000
<a href="#"><u>157</u></a>	Formaldehyde	5 ltr	4500
<a href="#"><u>158</u></a>	Formic acid	1 L	3500
<a href="#"><u>159</u></a>	Fumaric acid	1Kg	5000
<a href="#"><u>160</u></a>	Furfurol	500 ml	6000

<a href="#"><u>161</u></a>	Fuxhsin Pulrer	250 gm	6800
<a href="#"><u>162</u></a>	Gallic Acid	250 gm	7500
<a href="#"><u>163</u></a>	Gluconic Acid (solutuin 50% extra pure)	250 ml	4700
<a href="#"><u>164</u></a>	Glucose	2 Kg	4000
<a href="#"><u>165</u></a>	Gold (III) chloride/auric chloride	1 gm	25000
<a href="#"><u>166</u></a>	Graphite	1Kg	7500
<a href="#"><u>167</u></a>	Graphite, Powder	2 Kg	2000
<a href="#"><u>168</u></a>	Hexafluorotitanic acid	500 gm	6500
<a href="#"><u>169</u></a>	Hexamethylenetetramine	250 gm	8000
<a href="#"><u>170</u></a>	Hydrazine	1 L	9500
<a href="#"><u>171</u></a>	Hydrogen Peroxide (Extra pure)	2 Ltr	6000
<a href="#"><u>172</u></a>	Hydroquinine	1 kg	4500
<a href="#"><u>173</u></a>	Hydroxyethyl Cellulose	500 gm	6500
<a href="#"><u>174</u></a>	Hydroxyl ammonium Chloride	1 Kg	7500
<a href="#"><u>175</u></a>	Hydroxylamine Hydrochloride	500 gm	6500
<a href="#"><u>176</u></a>	Iron (II) Chloride (FeCl2)	1 kg	7000
<a href="#"><u>177</u></a>	Iron (II) Sulphate (FeSO4)	1 kg	7500
<a href="#"><u>178</u></a>	Iron (III) Chloride (FeCl3)	1 kg	6500
<a href="#"><u>179</u></a>	Iron (III) Nitrate (Fe(NO3)3	1 kg	6500
<a href="#"><u>180</u></a>	Iron naphthenate	500gm	11500
<a href="#"><u>181</u></a>	Iron Sulphide	1 kg	8000
<a href="#"><u>182</u></a>	K <sub>3</sub> (FECCN) <sub>6</sub>	01 Kg	6000
<a href="#"><u>183</u></a>	Lactose	1 kg	4500
<a href="#"><u>184</u></a>	Lanthanum Chloride	500 gm	9000
<a href="#"><u>185</u></a>	Lead Acetate	1 kg	8000
<a href="#"><u>186</u></a>	Lead Carbonate	2 kg	7800
<a href="#"><u>187</u></a>	lead nitrate	500 g	12000
<a href="#"><u>188</u></a>	Lead Sulphate	2 kg	5800
<a href="#"><u>189</u></a>	Lithium Borohydride	250 gm	9000
<a href="#"><u>190</u></a>	Lithium tert-butoxide	500 gm	7000
<a href="#"><u>191</u></a>	Litmus	500 gm	6000
<a href="#"><u>192</u></a>	maganese chloride	1Kg	6000
<a href="#"><u>193</u></a>	Magnesium Chloride	01 Kg	5500
<a href="#"><u>194</u></a>	Magnesium Hydrogen Carbonate	01 Kg	6500
<a href="#"><u>195</u></a>	Magnesium oxide	500 gm	4000
<a href="#"><u>196</u></a>	Magnesium Oxide Light	01 Kg	4500
<a href="#"><u>197</u></a>	Magnesium sulfate	1Kg	5000
<a href="#"><u>198</u></a>	Malic Acid	01 Kg	6800
<a href="#"><u>199</u></a>	Malonic Acid	500 gm	7000
<a href="#"><u>200</u></a>	Mangan (II) Chloride 1- hydrate	01 Kg	8500
<a href="#"><u>201</u></a>	Manganes Dioxide	500 gm	9000
<a href="#"><u>202</u></a>	Manganese (II) Chloride 4-hyrate	01 Kg	7800
<a href="#"><u>203</u></a>	Manganese (II) acetat	01 Kg	6500
<a href="#"><u>204</u></a>	Manganese (II) Sulfate	01 KG	7000
<a href="#"><u>205</u></a>	Manitol	01 Kg	6000
<a href="#"><u>206</u></a>	Melachite green	100 g	4500
<a href="#"><u>207</u></a>	Melamine	1Kg	5000
<a href="#"><u>208</u></a>	Melhyl Acrylate	01 ltr	7600
<a href="#"><u>209</u></a>	Mercuric Chloride	500 gm	15000
<a href="#"><u>210</u></a>	Mercuric Iodide	500 gm	16000
<a href="#"><u>211</u></a>	Mercuric Sulphide	500 gm	20000
<a href="#"><u>212</u></a>	Mercurous Chloride	500 gm	11000
<a href="#"><u>213</u></a>	Mercury (II) Nitrate	500 grm	12000
<a href="#"><u>214</u></a>	Mercury (II) Sulphate	500 grm	13000
<a href="#"><u>215</u></a>	Metaphosphoric Acid	500 gm	6000
<a href="#"><u>216</u></a>	Methylene blue	500 gm	9000



<a href="#"><u>217</u></a>	Methyl Cellulose	500 gm	4500
<a href="#"><u>218</u></a>	Methyl Green	500 gm	6500
<a href="#"><u>219</u></a>	Methyl Orange	500 gm	6000
<a href="#"><u>220</u></a>	Methylene blue	100g	3000
<a href="#"><u>221</u></a>	Methylene diphenyl diisocyanate (MDI)	500g	5000
<a href="#"><u>222</u></a>	Molybdenum (VI) oxide	250 gm	9000
<a href="#"><u>223</u></a>	Molybdenum acetate	250 gm	4000
<a href="#"><u>224</u></a>	Molybdenum oxide	250 gm	6500
<a href="#"><u>225</u></a>	Molybdenum sulphide	250 gm	6000
<a href="#"><u>226</u></a>	Murexide	500 gm	5000
<a href="#"><u>227</u></a>	N,N- Dimethylaniline	500 ml	6000
<a href="#"><u>228</u></a>	N,N-dimethylformamide	1 L	7000
<a href="#"><u>229</u></a>	Naphthol	01 Kg	6000
<a href="#"><u>230</u></a>	Nicke (II) Nitrate	01 Kg	6000
<a href="#"><u>231</u></a>	Nicked Oxide	500 gm	7000
<a href="#"><u>232</u></a>	Nickel nitrate hexahydrate	1 Kg	6500
<a href="#"><u>233</u></a>	Nikel (II) Sulfate	01 Kg	8000
<a href="#"><u>234</u></a>	Nikel Carbonate	01 Kg	9000
<a href="#"><u>235</u></a>	Nikel Chloride	01 Kg	12000
<a href="#"><u>236</u></a>	Ninhydrin	500 gm	7000
<a href="#"><u>237</u></a>	N-Isopropylmethacrylamide	100 g	8000
<a href="#"><u>238</u></a>	Nitric Acid	500 liter	30000
<a href="#"><u>239</u></a>	Nitrobenzoic Acid	500 gm 250 gm	9000
<a href="#"><u>240</u></a>	N-N Dinethylformamide	2.5 liter	9000
<a href="#"><u>241</u></a>	Oleic Acid	1liter	7500
<a href="#"><u>242</u></a>	Osmium chloride	100 g	9500
<a href="#"><u>243</u></a>	Oxalic Acid	3 kg	8500
<a href="#"><u>244</u></a>	Palladium (II) chloride	5 g	12000
<a href="#"><u>245</u></a>	Pathalic Acid	1 Kg	6000
<a href="#"><u>246</u></a>	Peptone	01 Kg	6000
<a href="#"><u>247</u></a>	Petroleum Spirit	5 liter	9000
<a href="#"><u>248</u></a>	Phenol Phthalein	250 gm	6500
<a href="#"><u>249</u></a>	Phenol Red	250 gm	6000
<a href="#"><u>250</u></a>	Phenyl boronic acid	100 g	8000
<a href="#"><u>251</u></a>	Phenyl hydrazine	250 ml	6500
<a href="#"><u>252</u></a>	Phenyl Phosphate Dinatriumsal (Dihydrate)	500 gm	9800
<a href="#"><u>253</u></a>	Phenylenediamine	250 gm	7000
<a href="#"><u>254</u></a>	Phosphoric acid	1 L	5000
<a href="#"><u>255</u></a>	Phosphorus Acid	1 Ltr	6000
<a href="#"><u>256</u></a>	Polyethylene Glycol	2.5 liter	7000
<a href="#"><u>257</u></a>	Polyethyleneglycol (PEG-2000)	1Kg	1000
<a href="#"><u>258</u></a>	Polyvinyl Alcohol	01 Kg	9000
<a href="#"><u>259</u></a>	Polyvinyl Pyrrolidon	01 Kg	10000
<a href="#"><u>260</u></a>	Potassium Bromate	01 Kg	6000
<a href="#"><u>261</u></a>	Potassium Carbonate	1 kg	4500
<a href="#"><u>262</u></a>	Potassium Dichromate	01 Kg	5000
<a href="#"><u>263</u></a>	Potassium Dihydrogen Orthophosphate	500 gm	4500
<a href="#"><u>264</u></a>	Potassium Dihydrogen Phosphate	01 Kg	6000
<a href="#"><u>265</u></a>	Potassium Ferrocyanide	01 Kg	7000
<a href="#"><u>266</u></a>	Potassium Fluoride	500 gm	8000
<a href="#"><u>267</u></a>	Potassium Hydroxide	1Kg	4000
<a href="#"><u>268</u></a>	Potassium Nitrite	01 kg	5500
<a href="#"><u>269</u></a>	Potassium Permanganate	01 Kg	6500
<a href="#"><u>270</u></a>	Potassium Phosphate (Dibasic	01 Kg	7500

	Anliydroles)		
<a href="#"><u>271</u></a>	Potassium Phosphate Tri Basic	1 kg	8500
<a href="#"><u>272</u></a>	Potassium Sodium Tatrte	1 kg	6000
<a href="#"><u>273</u></a>	Potassium Thiocyanate (Hexacyanoterrate)	1 kg	5000
<a href="#"><u>274</u></a>	Potasssium Antimon (II) Oxid Tartate	01 Kg	6000
<a href="#"><u>275</u></a>	Potasssium Bi Carbonate	01 Kg	7500
<a href="#"><u>276</u></a>	Potasssium Bromide	01 Kg	6000
<a href="#"><u>277</u></a>	Potasssium Chloride	01 Kg	7000
<a href="#"><u>278</u></a>	Potasssium Chromate	01 Kg	8000
<a href="#"><u>279</u></a>	Potasssium Dihydrogen Mono	500 gm	7000
<a href="#"><u>280</u></a>	Potasssium Hydrogen Phathalate (C8H5KO4) Potasssium Biphthalate	500 gm	6000
<a href="#"><u>281</u></a>	Potasssium Hydrogen Phosphate	01 Kg 500gm	7000
<a href="#"><u>282</u></a>	Potasssium Hydrogen Tartrate	500 gm	8000
<a href="#"><u>283</u></a>	Potasssium Iodate	01 Kg	6000
<a href="#"><u>284</u></a>	Potasssium Iodie	02 Kg	6500
<a href="#"><u>285</u></a>	Potasssium Per Iodate	500 gm	5500
<a href="#"><u>286</u></a>	Potasssium Peroxy Disulphate	01 Kg	4500
<a href="#"><u>287</u></a>	Potasssium Pyroantimonate K (Sb) OH6)	250 gm	6000
<a href="#"><u>288</u></a>	Potasssium Sulfate	01 Kg	6000
<a href="#"><u>289</u></a>	Pottasium permagnate	1 Kg	6000
<a href="#"><u>290</u></a>	Proline	500 mg	6000
<a href="#"><u>291</u></a>	Propandiol (1-2 Prophlenglcol)	01 ltr	7500
<a href="#"><u>292</u></a>	Pyromellitic dianhydride	250 gm	6000
<a href="#"><u>293</u></a>	Qurecetin	100 gm	8000
<a href="#"><u>294</u></a>	Resorcinol	1 kg	7000
<a href="#"><u>295</u></a>	Rhodamine B	100 g	6000
<a href="#"><u>296</u></a>	Ruthenium chloride	50 g	6000
<a href="#"><u>297</u></a>	Saccharose	02 Kg	6500
<a href="#"><u>298</u></a>	Scandium chloride	50 g	6000
<a href="#"><u>299</u></a>	Selenium powder	100 gm	5000
<a href="#"><u>300</u></a>	Silicic Acid	1 kg	5000
<a href="#"><u>301</u></a>	Silver nitrate	50g	20000
<a href="#"><u>302</u></a>	Silver Sulphate	50g	15000
<a href="#"><u>303</u></a>	Sodium alginate	1 Kg	5000
<a href="#"><u>304</u></a>	Sodium Azide	1 kg	7000
<a href="#"><u>305</u></a>	Sodium Bisultite	1 kg	6500
<a href="#"><u>306</u></a>	Sodium borohydride	250 g	12000
<a href="#"><u>307</u></a>	Sodium Bromide	01 Kg	6500
<a href="#"><u>308</u></a>	sodium carbonate	1 Kg	4000
<a href="#"><u>309</u></a>	Sodium Chloride	01 Kg	6000
<a href="#"><u>310</u></a>	Sodium citrate	1Kg	7000
<a href="#"><u>311</u></a>	Sodium Cobal(II)tinitrite	500 gm	6000
<a href="#"><u>312</u></a>	Sodium Cyanide	1 kg	5500
<a href="#"><u>313</u></a>	Sodium Di sulfate	01 Kg	7500
<a href="#"><u>314</u></a>	Sodium Dihydrogen Phosphate	01 Kg	6500
<a href="#"><u>315</u></a>	Sodium dodecyl sulfate	500 gm	6000
<a href="#"><u>316</u></a>	Sodium Dotrcyl Sulfate	01 Kg	6000
<a href="#"><u>317</u></a>	Sodium Hecxamethyl Phosphate	01 Kg	5000
<a href="#"><u>318</u></a>	Sodium Hydrogen Carbonate	01 Kg	7000
<a href="#"><u>319</u></a>	Sodium Hydroxide	1Kg	3500
<a href="#"><u>320</u></a>	Sodium hypophosphite	500 g	8000
<a href="#"><u>321</u></a>	Sodium Lauryl Sulfate	1 KG	6000



<a href="#"><u>322</u></a>	Sodium Matel	1 Kg	5000
<a href="#"><u>323</u></a>	Sodium Meta- Phosphate	1 Kg	9000
<a href="#"><u>324</u></a>	Sodium Metasilicate	500 gm	6500
<a href="#"><u>325</u></a>	Sodium Molydbate	1 Kg	7000
<a href="#"><u>326</u></a>	Sodium nitrate	1 Kg	4000
<a href="#"><u>327</u></a>	Sodium Nitrite	01 Kg	6500
<a href="#"><u>328</u></a>	Sodium Nitroprusside	500 gm	4500
<a href="#"><u>329</u></a>	Sodium Per-Chlorate	01 Kg	9000
<a href="#"><u>330</u></a>	Sodium Peroxide	01 Kg	9000
<a href="#"><u>331</u></a>	Sodium Phosphate	01 Kg	6000
<a href="#"><u>332</u></a>	Sodium Potasssium Tatrte	01 Kg	6000
<a href="#"><u>333</u></a>	Sodium Silicate	01 Kg	7000
<a href="#"><u>334</u></a>	Sodium Sulfate	1Kg	4000
<a href="#"><u>335</u></a>	sodium sulfide	500 g	6500
<a href="#"><u>336</u></a>	Sodium Sulfite	01 Kg	7000
<a href="#"><u>337</u></a>	Sodium Tangstate	100 gm	8500
<a href="#"><u>338</u></a>	Sodium Thiosulfate	2 Kg	4500
<a href="#"><u>339</u></a>	Sodium Todide	500 gm	6500
<a href="#"><u>340</u></a>	Stannic Chloride	01 Kg	5000
<a href="#"><u>341</u></a>	stannic oxide	500 g	9500
<a href="#"><u>342</u></a>	Stannous chloride	500 g	4000
<a href="#"><u>343</u></a>	Starch	2 Kg	5000
<a href="#"><u>344</u></a>	Stearic Acid	01 Kg	6500
<a href="#"><u>345</u></a>	Strontium nitrate	250 g	5000
<a href="#"><u>346</u></a>	Strontium Nitrate	500 gm	4500
<a href="#"><u>347</u></a>	Strositium Carbonate	500 gm	5000
<a href="#"><u>348</u></a>	Succinic acid	1Kg	7000
<a href="#"><u>349</u></a>	Succinimide	1 Kg	6000
<a href="#"><u>350</u></a>	Sulphanilic Acid	1 kg	5000
<a href="#"><u>351</u></a>	Tannic acid	100 g	5000
<a href="#"><u>352</u></a>	Tartaric acid	01 ltr	6500
<a href="#"><u>353</u></a>	Tetahydrofuran	2.5 Ltr	7500
<a href="#"><u>354</u></a>	Tetraethoxysilan Liquid	1 Kg	4500
<a href="#"><u>355</u></a>	Thiamine Hydrochloride	1 Kg	6500
<a href="#"><u>356</u></a>	Thiobarbituric acid	100 g	7500
<a href="#"><u>357</u></a>	Thiourea	1 kg	8000
<a href="#"><u>358</u></a>	Tin Chloride	500 GM	4000
<a href="#"><u>359</u></a>	Tin-mertal Powder	500gm	7500
<a href="#"><u>360</u></a>	Titanium tetraisoprop oxide	500 mL	6500
<a href="#"><u>361</u></a>	Titripex111	1 Ltr	4500
<a href="#"><u>362</u></a>	Toluene	2.5 Lts	6000
<a href="#"><u>363</u></a>	Toluenesulfonic acid (C7H8O35)	1kg	7500
<a href="#"><u>364</u></a>	Tri. Sod citrate	1ltr	9000
<a href="#"><u>365</u></a>	Trichloroacetic Acid	1ltr	7500
<a href="#"><u>366</u></a>	Trielhanolamine	01 Ltr	6500
<a href="#"><u>367</u></a>	Trielhylamine	2ltr	6500
<a href="#"><u>368</u></a>	Triethanolamine(2,2,2 Nitrilotriethand)	500gm	7500
<a href="#"><u>369</u></a>	Trimethyl Ammonium Bromide	500gm	7500
<a href="#"><u>370</u></a>	Triphenyltin chloride	500gm	7000
<a href="#"><u>371</u></a>	Tris	500gm	5500
<a href="#"><u>372</u></a>	Tris hydrochloride	2ltr	5500
<a href="#"><u>373</u></a>	Triton x-100	1kg	6000
<a href="#"><u>374</u></a>	Tungstic acid	250 gm	5000
<a href="#"><u>375</u></a>	Tungstophosphoric acid hydrate	250 gm	6500
<a href="#"><u>376</u></a>	Urea	1 Kg	5000
<a href="#"><u>377</u></a>	vanadium oxide	250 gm	5500

<a href="#"><u>378</u></a>	Xylene	2.5 Ltr	6500
<a href="#"><u>379</u></a>	Xylene Cyanol	100 gm	6000
<a href="#"><u>380</u></a>	Xylenol Orange	100 gm	5000
<a href="#"><u>381</u></a>	Yeast Extract	1 Kg	6500
<a href="#"><u>382</u></a>	Zeolite	100g	6000
<a href="#"><u>383</u></a>	Zinc acetate	1 Kg	8500
<a href="#"><u>384</u></a>	Zinc Chloride	1 Kg	9500
<a href="#"><u>385</u></a>	Zinc Metal	1 kg	8500
<a href="#"><u>386</u></a>	Zinc naphthenate	500g	5500
<a href="#"><u>387</u></a>	zinc nitrate hexahydrate	1 Kg	5500
<a href="#"><u>388</u></a>	Zinc Nitrate	1 kg	9500
<a href="#"><u>389</u></a>	Zinc Oxalate	1 kg	7500
<a href="#"><u>390</u></a>	Zinc Powder	01 Kg	6500
<a href="#"><u>391</u></a>	Zinc Sulphate	1 KG	4000
<a href="#"><u>392</u></a>	Zirconium chloride	500 g	9000
<a href="#"><u>393</u></a>	Zirconium Nitrate	01 kg	9000
<a href="#"><u>394</u></a>	zirconium oxide	250 g	5000
<a href="#"><u>395</u></a>	Zirconium Oxy chloride	01 kg	8500
<a href="#"><u>396</u></a>	Zirconium oxynitrate	500 g	10000
<a href="#"><u>397</u></a>	zirconium phosphate	250 g	6000
<a href="#"><u>398</u></a>	zirconium sulphide	250 g	6900

COMMERCIAL CHEMICALS

Sr.No	Chemical Name	Estimated Quantity	Estimated Price (PKR)
<a href="#"><u>1</u></a>	Acetone	100 L	10000
<a href="#"><u>2</u></a>	Benzene	100 L	20000
<a href="#"><u>3</u></a>	Ethanol	100 L	30000
<a href="#"><u>4</u></a>	Ehylene glycol	50 L	15000
<a href="#"><u>5</u></a>	Glycerol	50 L	15000
<a href="#"><u>6</u></a>	Hexane	100 L	25000
<a href="#"><u>7</u></a>	Hydrogen per Oxide	100 L	12000
<a href="#"><u>8</u></a>	Isopropanol	100 L	25000
<a href="#"><u>9</u></a>	Hydrochloric acid	100 L	8000
<a href="#"><u>10</u></a>	Methanol	100 L	10000
<a href="#"><u>11</u></a>	Nitric acid	100 L	25000
<a href="#"><u>12</u></a>	Sulfuric acid	100 L	6000

Sr.No	Name of Items	Specification	Qty	Price per item (Rs)
<a href="#"><u>1</u></a>	96-wellplate		12	750
<a href="#"><u>2</u></a>	Beaker	1000 ml	500	400
<a href="#"><u>3</u></a>	Beaker	500 ml	500	350
<a href="#"><u>4</u></a>	Beaker	250 ml	500	300
<a href="#"><u>5</u></a>	Beaker	100 ml	500	300
<a href="#"><u>6</u></a>	Burette (Rota FLow)	50 ml	100	400
<a href="#"><u>7</u></a>	Burette Stand	Iron	100	500
<a href="#"><u>8</u></a>	Burner		100	350
<a href="#"><u>9</u></a>	Capillary Tubes	pack	100	400
<a href="#"><u>10</u></a>	China Dish	medium	200	120
<a href="#"><u>11</u></a>	Condenser	24/29	50	550
<a href="#"><u>12</u></a>	Conical Flask	500 ml	500	350
<a href="#"><u>13</u></a>	Conical Flask	250 ml	500	280
<a href="#"><u>14</u></a>	Cylinder	250 mL	200	450
<a href="#"><u>15</u></a>	Cylinder	100 mL	200	350
<a href="#"><u>16</u></a>	Cylinder	10 ml	100	250
<a href="#"><u>17</u></a>	Eppendorf (1.5ml)	pack	20	1000

<a href="#"><u>18</u></a>	Filter Paper (Sheet)	pack	20	1200
<a href="#"><u>19</u></a>	Filter Paper (Whatman)	pack	20	1000
<a href="#"><u>20</u></a>	Funnel (Glass)	medium	200	120
<a href="#"><u>21</u></a>	Fusion Tubes	pack	200	150
<a href="#"><u>22</u></a>	Stirring Rod	Glass	250	20
<a href="#"><u>23</u></a>	Gloves	pack	100	300
<a href="#"><u>24</u></a>	Iron Stand with Clamp		50	650
<a href="#"><u>25</u></a>	Media Bottle with Screw Cap	1000 ml	50	650
<a href="#"><u>26</u></a>	Media Bottle with Screw Cap	500 ml	50	550
<a href="#"><u>27</u></a>	Media Bottle with Screw Cap	250 ml	100	450
<a href="#"><u>28</u></a>	Media Bottle with Screw Cap	100 ml	50	350
<a href="#"><u>29</u></a>	Petri Dish (Large)	6 inch	100	75
<a href="#"><u>30</u></a>	Petri Dish (Small)	4 inch	100	65
<a href="#"><u>31</u></a>	pH paper		100	75
<a href="#"><u>32</u></a>	Pipette	10 ml	200	50
<a href="#"><u>33</u></a>	Pipette	5 ml	200	65
<a href="#"><u>34</u></a>	Pipette	1 ml	50	65
<a href="#"><u>35</u></a>	Pipette sucker pump	10 mL	200	550
<a href="#"><u>36</u></a>	Plastic Transfer Pipettes	pack	20	1200
<a href="#"><u>37</u></a>	Reagent Bottle with Stop Cock	500 ml	50	250
<a href="#"><u>38</u></a>	Reagent Bottle with Stop Cock	250 ml	50	200
<a href="#"><u>39</u></a>	Reagent Bottle with Stop Cock	100 ml	50	150
<a href="#"><u>40</u></a>	Round bootom flask 1 neck (Quick fit)	500 ml	50	500
<a href="#"><u>41</u></a>	Round bootom flask 1 neck (Quick fit)	250 ml	50	450
<a href="#"><u>42</u></a>	Round bootom flask 1 neck (Quick fit)	100 ml	50	400
<a href="#"><u>43</u></a>	Round bootom flask 2 neck (Quick Fit)	500 ml	50	900
<a href="#"><u>44</u></a>	Round bootom flask 2 neck (Quick Fit)	250 ml	50	800
<a href="#"><u>45</u></a>	Round bootom flask 2 neck (Quick Fit)	100 ml	50	750
<a href="#"><u>46</u></a>	Round bootom flask 3 neck (Quick Fit)	500 ml	5	1500
<a href="#"><u>47</u></a>	Round bootom flask 3 neck (Quick Fit)	250 ml	5	1300
<a href="#"><u>48</u></a>	Round bootom flask 3 neck (Quick Fit)	100 ml	5	1100
<a href="#"><u>49</u></a>	Separating Funnel	500 ml	20	600
<a href="#"><u>50</u></a>	Separating Funnel	250 ml	20	500
<a href="#"><u>51</u></a>	Separating Funnel	125 ml	20	400
<a href="#"><u>52</u></a>	Soxhlet	250 mL	20	2000
<a href="#"><u>53</u></a>	Spatula	Medium	50	10
<a href="#"><u>54</u></a>	Test tube stand		50	120
<a href="#"><u>55</u></a>	Thermometer	100 ·C	50	80
<a href="#"><u>56</u></a>	Thermometer	300 C	20	120
<a href="#"><u>57</u></a>	Tripod Stand		20	200
<a href="#"><u>58</u></a>	Volumetric Flask	2000 ml	10	750
<a href="#"><u>59</u></a>	Volumetric Flask	1000 ml	10	650

<a href="#">60</a>	Volumetric Flask	500 ml	20	500	
<a href="#">61</a>	Volumetric Flask	250 ml	20	450	
<a href="#">62</a>	Volumetric Flask	100 ml	20	400	
Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	Zinc Chloride	Analytical		2 Kg	10000/-
<a href="#">2</a>	Cobalt Chloride	Analytical		2 Kg	25000/-
<a href="#">3</a>	Magnesium Chloride	Analytical		2 Kg	10000/-
<a href="#">4</a>	Copper Chloride	Analytical		2 Kg	10000/-
<a href="#">5</a>	NaOH	Analytical		2 Kg	10000/-
<a href="#">6</a>	KOH	Analytical		2 Kg	10000/-
<a href="#">7</a>	NH <sub>4</sub> OH	Analytical		2 Kg	10000/-
<a href="#">8</a>	NaBH <sub>4</sub>	Analytical		2 Kg	15000/-
<a href="#">9</a>	4-Nitrophenol	Analytical		2.5 L	15000/-
<a href="#">10</a>	4-Aminophenol	Analytical		2.5 L	10000/-
<a href="#">11</a>	Bismuth Chloride	Analytical		2 Kg	15000/-
<a href="#">12</a>	Calcium Chloride	Analytical		2 Kg	10000/-
<a href="#">13</a>	HCl	Analytical		5L	20000/-
<a href="#">14</a>	HNO <sub>3</sub>	Analytical		5L	20000/-
<a href="#">15</a>	H <sub>2</sub> SO <sub>4</sub>	Analytical		5L	20000/-
<a href="#">16</a>	APTS (3.Aminopropyl triethoxysilane)	Analytical		1L	20000/-
<a href="#">17</a>	Fe <sub>2</sub> O <sub>3</sub>	Analytical		500 g	10000/-
<a href="#">18</a>	Al <sub>2</sub> O <sub>3</sub>	Analytical		500 g	15000/-
<a href="#">19</a>	Ethanol (C <sub>2</sub> H <sub>6</sub> O)	Analytical		5 L	15000/-
<a href="#">20</a>	Iron nitrate or Ferric nitrate (FeCNO <sub>3</sub> ) <sub>3</sub> .9H <sub>2</sub> O	Analytical		1 Kg	10000/-
<a href="#">21</a>	Toluene	Analytical		2.5 L	15000/-
<a href="#">22</a>	Acetone	Analytical		2.5 L	15000/-
<a href="#">23</a>	Magnesium methoxide solution	Analytical		2.5 L	10000/-
<a href="#">24</a>	Tetramethylammonium hydroxide (TMAH)	Analytical		500 g	10000/-
<a href="#">25</a>	Indium	Analytical		100 g	10000/-
<a href="#">26</a>	Titanium (IV) isopropoxide	Analytical		500 g	25000/-
<a href="#">27</a>	Titanium(IV) butoxide	Analytical		500 g	25000/-
<a href="#">28</a>	Titanium(IV) chloride	Analytical		500 g	25000/-
<a href="#">29</a>	Titanium(IV) bis(ammonium lactato)dihydroxide solution	Analytical		500 g	25000/-
<a href="#">30</a>	Tetraethyl orthosilicate (Tetraethoxysilane) / TEOS	Analytical		500 g	25000/-
<a href="#">31</a>	Zirconium(IV) propoxide solution	Analytical		2.5 L	15000/-
<a href="#">32</a>	Zirconium(IV) butoxide solution	Analytical		2.5 L	15000/-
<a href="#">33</a>	Methylene Blue solid form	Analytical		1 Kg	10000/-
<a href="#">34</a>	Titanium(IV) oxide, anatase	Analytical		1 Kg	10000/-
<a href="#">35</a>	Titanium(IV) oxide, rutile	Analytical		1 Kg	15000/-
<a href="#">36</a>	Glacial acid	Analytical		2.5 L	15000/-
<a href="#">37</a>	2-Propanol	Analytical		2 L	15000/-
<a href="#">38</a>	Sodium tetraborate decahydrate (Borax)	Analytical		1 Kg	10000/-
<a href="#">39</a>	Boric acid	Analytical		2.5 L	15000/-
<a href="#">40</a>	Acetic acid	Analytical		2.5 L	15000/-
<a href="#">41</a>	Acetyl chloride	Analytical		1 Kg	15000/-
<a href="#">42</a>	Triethylamine	Analytical		1 kg	10000/-
<a href="#">43</a>	AlCl <sub>3</sub>	Analytical		1 kg	10000/-
<a href="#">44</a>	Tin Oxide	Analytical		1 kg	15000/-
<a href="#">45</a>	Oleic acid	Analytical		1 kg	10000/-
<a href="#">46</a>	Copper acetate	Analytical		1 kg	10000/-
<a href="#">47</a>	Citric acid	Analytical		1 kg	10000/-

<a href="#"><u>48</u></a>	Sodium Citrate Tribasic	Analytical		1 kg	10000/-
<a href="#"><u>49</u></a>	Manganese Chloride tetra hydrated	Analytical		1 kg	15000/-
<a href="#"><u>50</u></a>	Zinc Chaloride	Analytical		1 kg	10000/-
<a href="#"><u>51</u></a>	Iron(III) Chaloride	Analytical		1 kg	20000/-
<a href="#"><u>52</u></a>	Iron(II) Chaloride	Analytical		1 kg	10000/-
<a href="#"><u>53</u></a>	Poly-Ethylene Glycol	Analytical		1 kg	10000/-
<a href="#"><u>54</u></a>	Zinc Chloride	Analytical		1 kg	5000/-
<a href="#"><u>55</u></a>	Titanium Bromide	Analytical		1 kg	5000/-
<a href="#"><u>56</u></a>	Aluminium Hydroxide	Analytical		1 kg	10000/-
<a href="#"><u>57</u></a>	Triethoxycaprylylsilane	Analytical		1 kg	10000/-
<a href="#"><u>58</u></a>	Glass Beakers (50ml)			100 Pieces	20000/-
<a href="#"><u>59</u></a>	Glass Beakers (100ml)			100 Pieces	20000/-
<a href="#"><u>60</u></a>	Glass Beakers (250ml)			100 Pieces	20000/-
<a href="#"><u>61</u></a>	Glass Beakers (500ml)			100 Pieces	20000/-
<a href="#"><u>62</u></a>	Glass Beakers (1000ml)			100 Pieces	20000/-
<a href="#"><u>63</u></a>	Burette stand			50 Pieces	30000/-
<a href="#"><u>64</u></a>	Burettes			100 Pieces	60000/-
<a href="#"><u>65</u></a>	Flasks			100 Pieces	20000/-
<a href="#"><u>66</u></a>	Conical funnels			100 Pieces	20000/-
<a href="#"><u>67</u></a>	Magnetic bars			100 Pieces	20000/-
<a href="#"><u>68</u></a>	High temperature evaporating dishes			100 Pieces	30000/-

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical / Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Taq Polymerase (vial)	Analytical		500 unit	2000
<a href="#"><u>2</u></a>	Ethidium bromide	Analytical		5g	8000
<a href="#"><u>3</u></a>	Urease enzyme (vial)	Analytical		1vial	20000
<a href="#"><u>4</u></a>	Streptokinase Enzyme	Analytical		1vial	25000
<a href="#"><u>5</u></a>	Protein Ladder	Analytical		Per vial	12000
<a href="#"><u>6</u></a>	BSA	Analytical		100 G	12000
<a href="#"><u>7</u></a>	Loading dye	Analytical		100ml,1ml	140,004,000
<a href="#"><u>8</u></a>	Dntp	Analytical		4×400μl	11000 for all 4
<a href="#"><u>9</u></a>	Protinase K	Analytical		100 mg	9000
<a href="#"><u>10</u></a>	CTAB	Analytical		500g	7500
<a href="#"><u>11</u></a>	T4 DNA Ligase	Analytical		4000 U	1785
<a href="#"><u>12</u></a>	Ethanol	Analytical		2.5 L	2000
<a href="#"><u>13</u></a>	Phenol	Analytical		1kg	3000
<a href="#"><u>14</u></a>	Ependof stand	Analytical		each	600
<a href="#"><u>15</u></a>	Sodium acetate	Analytical		1kg	3500
<a href="#"><u>16</u></a>	Choloroform	Analytical		2.5L	2500
<a href="#"><u>17</u></a>	Agarose	Analytical		500g	24000
<a href="#"><u>18</u></a>	Na fitate	Analytical		25g	16000
<a href="#"><u>19</u></a>	NaOH	Analytical	GB34	100ml	2372
<a href="#"><u>20</u></a>	Nacl	Analytical	GB35	500ml	2847
<a href="#"><u>21</u></a>	Potassium Acetate	Analytical	GB36	500ml	5220
<a href="#"><u>22</u></a>	Ammonium Acetate	Analytical	GB11	100ml	2847
<a href="#"><u>23</u></a>	0.2 ml PCR thin wall tubes, 1000/bag	Analytical	GM02 PCR	One Bag	4,508.00
<a href="#"><u>24</u></a>	Floating water bath rack, 10 rack/bag	Analytical	GMP0 01	One Bag	2,372.90
<a href="#"><u>25</u></a>	0.1-10 ul Clear tip, 1000/bag, DNase, RNase free,10 bag/cs	Analytical	L-4999	10000/cs	1,708.50
<a href="#"><u>26</u></a>	1-200 ul Yellow tip, 1000/bag, DNase, RNase	Analytical	L-2346	10000/cs	1,708.50
<a href="#"><u>27</u></a>	50 -1000 ul Blue tip, 1000/bag, DNase, RNase free,10 bag/cs	Analytical	L - 1150	10000/cs	2,372.90

<a href="#"><u>28</u></a>	0.1 to 10 ul, clear tips,DNas/RNase free sterile, rack pack	Analytical	ST - 5100	96/rack	711.9
<a href="#"><u>29</u></a>	1 to 200 ul, yellow tips, DNas/RNase free sterile, rack pack	Analytical	ST - 2402	96/rack	711.9
<a href="#"><u>30</u></a>	Floating water bath rack, 10 rack/bag	Analytical	GMP0 01	1bag	2,372.90
<a href="#"><u>31</u></a>	1.5 ml microcentrifuge tube,	Analytical	XL- 2911	500/bag	1,850.80
<a href="#"><u>32</u></a>	2.0ml microcentrifuge tube,	Analytical	L-2057	500/bag	1,328.80
<a href="#"><u>33</u></a>	Plasmid Miniprep Purification Kit	Analytical	DP01	50r	4300.8
<a href="#"><u>34</u></a>	Plasmid Miniprep Purification Kit	Analytical	DP01- 300	300r	20643.2
<a href="#"><u>35</u></a>	Plasmid Miniprep Plus Purification Kit	Analytical	DP01- Plus	50r	5606.4
<a href="#"><u>36</u></a>	300 Plasmid Miniprep Plus Purification Kit	Analytical	DP01- Plus	300r	25344
<a href="#"><u>37</u></a>	DNA Clean/Extraction Kit	Analytical	DP034- 300	300r	21477.9
<a href="#"><u>38</u></a>	Micro-Elute DNA Clean/Extraction Kit	Analytical	DP034 ME	50r	5920
<a href="#"><u>39</u></a>	Gen-KB LC DNA Ladder, 50 ug RT - 20°C	Analytical	GM100 0- LC	100-500 loading	3322
<a href="#"><u>40</u></a>	Gen-KB LC DNA Ladder,	Analytical	GM100 0- LC	50 ug Bulk>- 200 vials	
<a href="#"><u>41</u></a>	Gen50 Plus DNA Ladder, 91 ug	Analytical	GM50 P	100-200 loading	5932.2
<a href="#"><u>42</u></a>	Gen100 DNA Ladder, 66 ug	Analytical	GM100	200-400 loading	5220.3
<a href="#"><u>43</u></a>	Gen100 LC DNA Ladder, 22.2 ug	Analytical	GM100 - LC	20-250 loading	1792
<a href="#"><u>44</u></a>	Primers at 25nmol scale	Analytical		01 base	28
<a href="#"><u>45</u></a>	Primers at 50nmol scale	Analytical		01 base	36
<a href="#"><u>46</u></a>	Primers at 200nmol scale	Analytical		01 base	94
<a href="#"><u>47</u></a>	Dual Labeled Probes @ 50nmol scale	Analytical		01 Primer	14,500.00
<a href="#"><u>48</u></a>	Single Labeled Probes @ 50nmol scale	Analytical		01 Primer	9,500.00
<a href="#"><u>49</u></a>	Tube Sequencing	Analytical		01 rxn	670
<a href="#"><u>50</u></a>	Plate Sequencing	Analytical		01 rxn	500
<a href="#"><u>51</u></a>	Gene Construct (Standard)	Analytical		01 base	45
<a href="#"><u>52</u></a>	Gene Construct (Complex)	Analytical		01 base	75
<a href="#"><u>53</u></a>	AxyPrep MAG PCR Clean-Up Kit (2,777 preps)	Analytical		01 kit	110,000.00
<a href="#"><u>54</u></a>	IMAG magnetic hand-held device (screw cap tubes)	Analytical		01 unit	52,000.00
<a href="#"><u>55</u></a>	IMAG magnetic hand-held device (96 – well plates)	Analytical		01 unit	72,000.00
<a href="#"><u>56</u></a>	Agarose LE (500gms)	Analytical		01 pck	26,000.00
<a href="#"><u>57</u></a>	96-well PCR plate (25 plates/pack)	Analytical		01 pck	8,000.00
<a href="#"><u>58</u></a>	PCR tubes & Caps strips (250 strips/pack)	Analytical		01 case	15,000.00
<a href="#"><u>59</u></a>	10 µl Tips (1000 tips/bag)	Analytical		01 case	14,000.00
<a href="#"><u>60</u></a>	200 µl Yellow Tips (1000 tips/bag)	Analytical		01 case	14,000.00
<a href="#"><u>61</u></a>	1000 µl Blue Tips (1000 tips/bag)	Analytical		01 case	24,000.00
<a href="#"><u>62</u></a>	0.2ml PCR tubes with attach caps (1000 tubes/bag)	Analytical		01 case	25,000.00
<a href="#"><u>63</u></a>	AlumaSeals Sealing Films (100/pck)	Analytical		01 pck	6,500.00
<a href="#"><u>64</u></a>	Adhesive films for Microtiter Plates (100/pck)	Analytical		01 pck	6,500.00
<a href="#"><u>65</u></a>	Lazy L Spreaders (500 spreaders)	Analytical		01 pck	21,000.00
<a href="#"><u>66</u></a>	Taq PCR Master Mix (2x)	Analytical		01 vial	8,000.00



<a href="#"><u>67</u></a>	dNTPs, Set (100mM)	Analytical		01 vial	13,000.00
<a href="#"><u>68</u></a>	DNA Ladder, 1kb Plus (500ul)	Analytical		01 vial	9,500.00
<a href="#"><u>69</u></a>	100bp DNA Ladder (500ul)	Analytical		01 vial	8,500.00
<a href="#"><u>70</u></a>	First-Strand cDNA Synthesis Kit (50 rxn)	Analytical		01 kit	36,000.00
<a href="#"><u>71</u></a>	M-MLV Reverse Transcriptase (100,000 units)	Analytical		01 vial	34,000.00
<a href="#"><u>72</u></a>	SYBR Green One-Step qRT-PCR Master Mix(2x)	Analytical		01 vial	39,590.00
<a href="#"><u>73</u></a>	EXOSAP-IT PCR Clean Up Kit (20 rxn)	Analytical		01 vial	5,300.00
<a href="#"><u>74</u></a>	EXOSAP-IT PCR Clean Up Kit (100 rxn)	Analytical		01 vial	16,000.00
<a href="#"><u>75</u></a>	EXOSAP-IT PCR Clean Up Kit (500 rxn)	Analytical		01 vial	53,000.00
<a href="#"><u>76</u></a>	EXOSAP-IT PCR Clean Up Kit (2,000 rxn)	Analytical		01 vial	158,000.00
<a href="#"><u>77</u></a>	VersaTaq Direct PCR Polymerase (200 rxn)	Analytical		01 vial	23,500.00
<a href="#"><u>78</u></a>	VersaTaq Direct PCR Polymerase (500 rxn)	Analytical		01 vial	47,250.00
<a href="#"><u>79</u></a>	Taq DNA Polymerase (1000 units)	Analytical		01 vial	4,500.00
<a href="#"><u>80</u></a>	dNTP Set (100x0.25ml)	Analytical		01 vial	9,500.00
<a href="#"><u>81</u></a>	EasyScript cDNA Synthesis Kit (100x20ul rxn)	Analytical		01 vial	27,000.00
<a href="#"><u>82</u></a>	Acetic Acid	Analytical	1.9340 2.2521	2.5	1950
<a href="#"><u>83</u></a>	Acetonitrile HPLC	Analytical	600030 250017 30	2.5	3300
<a href="#"><u>84</u></a>	1, Amino 2 Napathol 4, Sulfonice Acid	Analytical	194931 .0121	100	6000
<a href="#"><u>85</u></a>	4, Amino Anti Pyrine	Analytical	617829 010017 30	100	9000
<a href="#"><u>86</u></a>	Ammonium Acetate	Analytical	1.9361 7.0521	500	2250
<a href="#"><u>87</u></a>	Ammonium Carbonate	Analytical	193673 .0521	500	2550
<a href="#"><u>88</u></a>	Ammonium Chloride	Analytical	1.9362 1.0521	500	1950
<a href="#"><u>89</u></a>	Ammonium Dihydrogen Phosphate	Analytical	1.9361 3.0521	500	10500
<a href="#"><u>90</u></a>	Di Ammonium Hydrogen Phosphate	Analytical	1.9328 4.0521	500	1950
<a href="#"><u>91</u></a>	Di Ammonium Oxlate	Analytical	1.9328 1.0521	500	1500
<a href="#"><u>92</u></a>	Ammonium Sulphate	Analytical	1.9324 6.5021	5	3750
<a href="#"><u>93</u></a>	Ammonium Thiocyanate	Analytical	193659	kg	7350
<a href="#"><u>94</u></a>	Barrium Chloride	Analytical	1.9365 8.0521	500	1950
<a href="#"><u>95</u></a>	Barrium Hydroxide	Analytical	1.9365 6.0521	500	2100
<a href="#"><u>96</u></a>	Borice Acid	Analytical	1.9340 9.0521	500	2700
<a href="#"><u>97</u></a>	Bromocresol Green Indicator	Analytical	618401 005117 30	5	2550
<a href="#"><u>98</u></a>	Bromophenol Blue	Analytical	618287 000517	5	2700

			30		
<a href="#"><u>99</u></a>	1, Butanol	Analytical	1.9450 2.2521	2.5	3750
<a href="#"><u>100</u></a>	Calcium Carbonate	Analytical	1.9366 6.0521	500 G	2700
<a href="#"><u>101</u></a>	Calcium Chloride	Analytical	1.9363 3.0521	500 G	2700
<a href="#"><u>102</u></a>	Calcium Hydroxide	Analytical	1.9327 4.0521	500 G	5250
<a href="#"><u>103</u></a>	Chloroform	Analytical	1.9450 6.2521	2.5 L	2250
<a href="#"><u>104</u></a>	Citric Acid	Analytical	1.9362 7.0521	500	1500
<a href="#"><u>105</u></a>	Copper (ii) Sulphate Pentahydrate	Analytical	1.9361 6.0521	500	1500
<a href="#"><u>106</u></a>	Ethyle Acetate	Analytical	1.9451 2.2521	2.5	3000
<a href="#"><u>107</u></a>	EDTA Calcium Salt	Analytical	1.9332 2.0521	500	9000
<a href="#"><u>108</u></a>	EDTA Pottassium Salt	Analytical	1.9331 3.0521	500	6000
<a href="#"><u>109</u></a>	Fructose	Analytical	1.9490 5.0521	250	3000
<a href="#"><u>110</u></a>	Glycrole	Analytical	1.9450 1.2521	2.5	4500
<a href="#"><u>111</u></a>	Glycine	Analytical	816013 .0521	500	3000
<a href="#"><u>112</u></a>	Hydrogen Peroxide	Analytical	1.9340 7.0521	5	4500
<a href="#"><u>113</u></a>	Iodine	Analytical	604760 010017 30	100	5250
<a href="#"><u>114</u></a>	Magnesium Chloride	Analytical	1.9363 3.5021	5	4500
<a href="#"><u>115</u></a>	Magnesium Nitrate	Analytical	1.9370 9.0521	500	1800
<a href="#"><u>116</u></a>	Methanol	Analytical	1.9451 6.2521	2.5	1470
<a href="#"><u>117</u></a>	Methylene Blue	Analytical	618204 002517 30	25	2550
<a href="#"><u>118</u></a>	Methylene Orange	Analytical	601322 002517 30	25	2850
<a href="#"><u>119</u></a>	Methylene Red	Analytical	606076 002517 30	25	3000
<a href="#"><u>120</u></a>	Nitric Acid	Analytical	1.9340 6.2521	2.5	2250
<a href="#"><u>121</u></a>	Phenol	Analytical	1.9490 3.0521	500	2100
<a href="#"><u>122</u></a>	Phloroglucinol	Analytical	1.9494 5.0026	25	12000
<a href="#"><u>123</u></a>	Potassium Acetate	Analytical	1.9371 4.0521	500	3000
<a href="#"><u>124</u></a>	Potassium Chloride	Analytical	1.9363 8.0521	500	1350
<a href="#"><u>125</u></a>	Potassium Dichromate	Analytical	1.9321 5.0521	500	3000
<a href="#"><u>126</u></a>	Potassium Di Hydrogen Phosphate	Analytical	1.9360 5.0521	500	1500



<a href="#"><u>127</u></a>	Pottassium Disulphate	Analytical	1.9328 8.0521	500	20250
<a href="#"><u>128</u></a>	Pottassium Hydroxide	Analytical	1.9350 3.0521	500	1350
<a href="#"><u>129</u></a>	Resocinol	Analytical	1.9492 7.0121	100 G	3625
<a href="#"><u>130</u></a>	Silica Gel for TLC	Analytical	617631 100017 30	500 G	3625
<a href="#"><u>131</u></a>	Silver Nitrate	Analytical	1.9360 0.0027	25 G	10500
<a href="#"><u>132</u></a>	Sodium Carnbonate	Analytical	1.9361 1.0521	500 G	1500
<a href="#"><u>133</u></a>	Tri-sodium citrate di hydrart	Analytical	1.9361 9.0521	500 G	1500
<a href="#"><u>134</u></a>	Sodium Nitro prusside	Analytical	1.9492 4.0121	100 G	4500
<a href="#"><u>135</u></a>	Sodium Sulphate	Analytical	1.9363 5.0521	500 G	1800
<a href="#"><u>136</u></a>	Starch Slobal	Analytical	1.9331 7.0521	500 G	3750
<a href="#"><u>137</u></a>	Sucrose	Analytical	1.9492 1.1021	1 KG	2875
<a href="#"><u>138</u></a>	Sulfuric aCid	Analytical	1.0073 1.2500	2.5	11250
<a href="#"><u>139</u></a>	Hydrochloric Acid 37%	Analytical	1.0071 3.2500	2.5	11250
<a href="#"><u>140</u></a>	Thio Urea	Analytical	1.9490 2.0521	500	4500
<a href="#"><u>141</u></a>	Thymol Blue	Analytical	618265 002517 30	25	3000
<a href="#"><u>142</u></a>	Trichoroacetic Acid	Analytical	1.9497 1.0521	500	1500
<a href="#"><u>143</u></a>	Methanol	Analytical	822283 2500	2.5	2000
<a href="#"><u>144</u></a>	Chloroform EMPLURA	Analytical	822265 2500	2.5	3500
<a href="#"><u>145</u></a>	TRIS HYDROCHLORIDE 500G	Analytical	9310	500	5375
<a href="#"><u>146</u></a>	Glycerol	Analytical	4750	1	4625
<a href="#"><u>147</u></a>	Bromophenol blue indicator ACS, Reag.	Analytical	108122 0005	5	5000
<a href="#"><u>148</u></a>	TEMED	Analytical	8930	100	6000
<a href="#"><u>149</u></a>	Acetic acid (glacial)	Analytical	100063 2500	2.5	3500
<a href="#"><u>150</u></a>	Ethidium Bromide	Analytical	111615 0001	1	6875
<a href="#"><u>151</u></a>	EDTA	Analytical	4005	500	3750
<a href="#"><u>152</u></a>	Hydrogen peroxide 30% (stabilized)	Analytical	822287 1000	1	4750
<a href="#"><u>153</u></a>	Ninhydrin GR for analysis ACS,Reag. Ph Eur	Analytical	106762 0100	100	7875
<a href="#"><u>154</u></a>	Toluene for Analysis	Analytical	108323 2500	2.5	3500
<a href="#"><u>155</u></a>	2-Thiobarbituric acid reagent for sorbic acid	Analytical	108180 0025	25	10250
<a href="#"><u>156</u></a>	TCA (Trichloroacetic Acid)	Analytical	822342 1000	1	8750
<a href="#"><u>157</u></a>	TCA (Trichloroacetic Acid)	Analytical	822342 0500	500	6875
<a href="#"><u>158</u></a>	Bovine Serum Albumin (BSA)	Analytical	12659	100	27500

<a href="#"><u>159</u></a>	Potassium dihydrogen phosphate	Analytical	104873 1000	1	3687.5
<a href="#"><u>160</u></a>	L-Methionine	Analytical	816010 0025	25	3625
<a href="#"><u>161</u></a>	L-Methionine	Analytical	816010 0100	100	11125
<a href="#"><u>162</u></a>	p-Nitroblue Tetrazolium Chloride (NBT)	Analytical	484235 -1G	1	18625
<a href="#"><u>163</u></a>	Riboflavin	Analytical	7370	250	12250
<a href="#"><u>164</u></a>	Triton® X-100 for analysis	Analytical	108603 1000	1	8750
<a href="#"><u>165</u></a>	Ascorbic acid	Analytical	1831- 1kg	1	12375
<a href="#"><u>166</u></a>	Potassium Iodide	Analytical	193601	500	7500
<a href="#"><u>167</u></a>	2-Propanol	Analytical	109634 2500	2.5	2875
<a href="#"><u>168</u></a>	Tween 20	Analytical	9480	1	7250
<a href="#"><u>169</u></a>	Nitric acid 69% for analysis EMSURE	Analytical	101799 2500	2.5	7875
<a href="#"><u>170</u></a>	N-HEXANE FOR ANALYSIS	Analytical	107023 2511	2.5	3500
<a href="#"><u>171</u></a>	FOLIN-CIOCALTEU'S PHENOL REAGENT	Analytical	109001 0500	500	11750
<a href="#"><u>172</u></a>	Urea for synthesis	Analytical	818710 1000	1	4500
<a href="#"><u>173</u></a>	DI-POTASSIUM HYDROGEN PHOSPHAT	Analytical	105104 1000	1	3687.5
<a href="#"><u>174</u></a>	AMMONIUM DIHYDROGEN PHOSPHATE	Analytical	101126 0500	500	5875
<a href="#"><u>175</u></a>	Tris Base, Molecular Biology Grade	Analytical	648311	1	9625
<a href="#"><u>176</u></a>	Tris Base	Analytical	9310	500	4750
<a href="#"><u>177</u></a>	CITRIC ACID,ANHYDROUS 1KG	Analytical	3200	1	4125
<a href="#"><u>178</u></a>	5-SULFOSALICYLIC ACID DIHYDRATE	Analytical	800691 0250	250	7500
<a href="#"><u>179</u></a>	Potassium chloride	Analytical	104936 1000	1	2250
<a href="#"><u>180</u></a>	Hydrochloric acid 37%	Analytical	100319 2500	2.5	4875
<a href="#"><u>181</u></a>	phenolphthalein indicator	Analytical	107233 0100	100	6812.5
<a href="#"><u>182</u></a>	Ferrous ammonium sulfate	Analytical	103792 1000	1	8625
<a href="#"><u>183</u></a>	Sodium Carbonate	Analytical	106392 1000	1	3500
<a href="#"><u>184</u></a>	Sodium Hydroxide	Analytical	106498 1000	1	2375
<a href="#"><u>185</u></a>	sodium acetate	Analytical	7510	500	2875
<a href="#"><u>186</u></a>	Ammonium acetate	Analytical	2145	1	3375
<a href="#"><u>187</u></a>	Sodium Chloride	Analytical	106404 1000	1	2125
<a href="#"><u>188</u></a>	Copper(II) sulfate Pentahydrate	Analytical	102790 1000	1	7250
<a href="#"><u>189</u></a>	potassium Sulfate	Analytical	105153 1000	1	3375
<a href="#"><u>190</u></a>	Boric acid MB Grade	Analytical	2710	1	2375
<a href="#"><u>191</u></a>	potassium permanganate	Analytical	105082 1000	1	3500
<a href="#"><u>192</u></a>	Potassium dichromate	Analytical	104864 1000	1	15750
<a href="#"><u>193</u></a>	Ammonium heptamolybdate	Analytical	101180 0250	250	10875

<a href="#"><u>194</u></a>	Perchloric Acid	Analytical	193005 2500	2.5	17000
<a href="#"><u>195</u></a>	Calcium carbonate	Analytical	102066 1000	1	5750
<a href="#"><u>196</u></a>	Silver nitrate	Analytical	193600 0100	100	20000
<a href="#"><u>197</u></a>	Manganese chloride	Analytical	105927 0100	100	4875
<a href="#"><u>198</u></a>	Indole-3-acetic acid	Analytical	820704 0010	10	7375
<a href="#"><u>199</u></a>	POTASSIUM SODIUM TARTRATE	Analytical	108087 1000	1	7500
<a href="#"><u>200</u></a>	D(+)-GLUCOSE MONOHYDRATE	Analytical	108342 1000	1	3000
<a href="#"><u>201</u></a>	2-deoxy-D-glucose	Analytical	25972- 1G	1g	8375
<a href="#"><u>202</u></a>	TRITON X 100 supplement	Analytical	80046	5x5 mL	4,639
<a href="#"><u>203</u></a>	TWEEN 80 supplement (Tween 80)	Analytical	80031	2x50 mL	2,623
<a href="#"><u>204</u></a>	SHEEP BLOOD DEFIBRINATED	Analytical	83296	50 mL	11,459
<a href="#"><u>205</u></a>	BILE AESCULIN AGAR	Analytical	610210	500 g	14,358
<a href="#"><u>206</u></a>	BLOOD AGAR BASE	Analytical	610005	500 g	6,820
<a href="#"><u>207</u></a>	BLOOD AGAR BASE No.2	Analytical	610188	500 g	6,820
<a href="#"><u>208</u></a>	BRAIN HEART INFUSION AGAR	Analytical	610007	500 g	10,741
<a href="#"><u>209</u></a>	GLYCEROL supplement (Glycerol)	Analytical	80021	4x50 mL	3,479
<a href="#"><u>210</u></a>	CZAPEK DOX AGAR	Analytical	610095	500 g	6,820
<a href="#"><u>211</u></a>	DEXTROSE AGAR	Analytical	610002	500 g	5,357
<a href="#"><u>212</u></a>	L.B. MEDIUM (LURIA BERTANI)	Analytical	610084	500 g	5,357
<a href="#"><u>213</u></a>	MAC CONKEY AGAR	Analytical	610028	500 g	6,516
<a href="#"><u>214</u></a>	NITRATE BROTH	Analytical	610322	500 g	12,757
<a href="#"><u>215</u></a>	NUTRIENT AGAR	Analytical	610036	500 g	6,820
<a href="#"><u>216</u></a>	POTATO DEXTROSE AGAR	Analytical	610102	500 g	13,500
<a href="#"><u>217</u></a>	POTATO DEXTROSE BROTH	Analytical	610106	500 g	4,197
<a href="#"><u>218</u></a>	TODD HEWITT BROTH	Analytical	610051	500 g	5,937
<a href="#"><u>219</u></a>	TRYPTONE WATER	Analytical	610206	500 g	7,096
<a href="#"><u>220</u></a>	TRYPTOPHAN BROTH	Analytical	610197	500 g	14,082
<a href="#"><u>221</u></a>	YEAST EXTRACT AGAR	Analytical	611016	500 g	9,750
<a href="#"><u>222</u></a>	AGAR BACTERIOLOGICAL	Analytical	611001	500 g	18,000
<a href="#"><u>223</u></a>	BEEF EXTRACT	Analytical	610497	500 g	8,284
<a href="#"><u>224</u></a>	BILE SALT No. 3	Analytical	611901	500 g	

					33,134
<a href="#">225</a>	BRAIN HEART INFUSION	Analytical	610495	500 g	28,413
<a href="#">226</a>	GELATIN BACTERIOLOGICAL	Analytical	611002	500 g	4,142
<a href="#">227</a>	GELATIN PANCREATIC PEPTONE	Analytical	611503	500 g	13,254
<a href="#">228</a>	GLUCOSE	Analytical	611601	500 g	4,694
<a href="#">229</a>	LACTOSE	Analytical	610498	500 g	4,418
<a href="#">230</a>	LIVER EXTRACT	Analytical	612001	500 g	6,958
<a href="#">231</a>	MALT EXTRACT	Analytical	611006	500 g	11,250
<a href="#">232</a>	PEPTONE BACTERIOLOGICAL	Analytical	611701	500 g	8,698
<a href="#">233</a>	PEPTONE MYCOLOGICAL	Analytical	612101	500 g	11,045
<a href="#">234</a>	SODIUM CHLORIDE	Analytical	611000	500 g	4,777
<a href="#">235</a>	SODIUM DESOXYCHOLATE	Analytical	612401	500 g	85,597
<a href="#">236</a>	SUCROSE	Analytical	611801	500 g	4,777
<a href="#">237</a>	TRYPTONE	Analytical	611004	500 g	7,096.28
<a href="#">238</a>	TRYPTOSE	Analytical	611008	500 g	10,437.34
<a href="#">239</a>	YEAST EXTRACT	Analytical	611005	500 g	7,200.00
<a href="#">240</a>	Antibiotec Discs	Analytical		Each vial Of 50 Tests	450.00
<a href="#">241</a>	Antibiotec Discs( Diagnostics )	Analytical		Each vial Of 50 Tests	1,800.00
<a href="#">242</a>	Primers at 25nmol scale	Analytical		01 base	28
<a href="#">243</a>	Primers at 50nmol scale	Analytical		01 base	36
<a href="#">244</a>	Primers at 200nmol scale	Analytical		01 base	94
<a href="#">245</a>	Dual Labeled Probes @ 50nmol scale	Analytical		01 Primer	14,500.00
<a href="#">246</a>	Single Labeled Probes @ 50nmol scale	Analytical		01 Primer	9,500.00
<a href="#">247</a>	Tube Sequencing	Analytical		01 rxn	670
<a href="#">248</a>	Plate Sequencing	Analytical		01 rxn	500
<a href="#">249</a>	Gene Construct (Standard)	Analytical		01 base	45
<a href="#">250</a>	Gene Construct (Complex)	Analytical		01 base	75
<a href="#">251</a>	AxyPrep MAG PCR Clean-Up Kit (2,777 preps)	Analytical		01 kit	110,000.00
<a href="#">252</a>	IMAG magnetic hand-held device (screw cap tubes)	Analytical		01 unit	52,000.00
<a href="#">253</a>	IMAG magnetic hand-held device (96 – well plates)	Analytical		01 unit	72,000.00
<a href="#">254</a>	Agarose LE (500gms)	Analytical		01 pck	26,000.00
<a href="#">255</a>	96-well PCR plate (25 plates/pack)	Analytical		01 pck	8,000.00
<a href="#">256</a>	PCR tubes & Caps strips (250 strips/pack)	Analytical		01 case	15,000.00
<a href="#">257</a>	10 µl Tips (1000 tips/bag)	Analytical		01 case	14,000.00
<a href="#">258</a>	200 µl Yellow Tips (1000 tips/bag)	Analytical		01 case	14,000.00
<a href="#">259</a>	1000 µl Blue Tips (1000 tips/bag)	Analytical		01 case	24,000.00
<a href="#">260</a>	0.2ml PCR tubes with attach caps (1000 tubes/bag)	Analytical		01 case	25,000.00
<a href="#">261</a>	AlumaSeals Sealing Films (100/pck)	Analytical		01 pck	6,500.00

<a href="#">262</a>	Adhesive films for Microtiter Plates (100/pck)	Analytical		01 pck	6,500.00
<a href="#">263</a>	Lazy L Spreaders (500 spreaders)	Analytical		01 pck	21,000.00
<a href="#">264</a>	Taq PCR Master Mix (2x)	Analytical		01 vial	8,000.00
<a href="#">265</a>	dNTPs, Set (100mM)	Analytical		01 vial	13,000.00
<a href="#">266</a>	DNA Ladder, 1kb Plus (500ul)	Analytical		01 vial	9,500.00
<a href="#">267</a>	100bp DNA Ladder (500ul)	Analytical		01 vial	8,500.00
<a href="#">268</a>	First-Strand cDNA Synthesis Kit (50 rxn)	Analytical		01 kit	36,000.00
<a href="#">269</a>	M-MLV Reverse Transcriptase (100,000 units)	Analytical		01 vial	34,000.00
<a href="#">270</a>	SYBR Green One-Step qRT-PCR Master Mix(2x)	Analytical		01 vial	39,590.00
<a href="#">271</a>	EXOSAP-IT PCR Clean Up Kit (20 rxn)	Analytical		01 vial	5,300.00
<a href="#">272</a>	EXOSAP-IT PCR Clean Up Kit (100 rxn)	Analytical		01 vial	16,000.00
<a href="#">273</a>	EXOSAP-IT PCR Clean Up Kit (500 rxn)	Analytical		01 vial	53,000.00
<a href="#">274</a>	EXOSAP-IT PCR Clean Up Kit (2,000 rxn)	Analytical		01 vial	158,000.00
<a href="#">275</a>	VersaTaq Direct PCR Polymerase (200 rxn)	Analytical		01 vial	23,500.00
<a href="#">276</a>	VersaTaq Direct PCR Polymerase (500 rxn)	Analytical		01 vial	47,250.00
<a href="#">277</a>	Taq DNA Polymerase (1000 units)	Analytical		01 vial	4,500.00
<a href="#">278</a>	dNTP Set (100x0.25ml)	Analytical		01 vial	9,500.00
<a href="#">279</a>	EasyScript cDNA Synthesis Kit (100x20ul rxn)	Analytical		01 vial	27,000.00
<a href="#">280</a>	One step RT PCR Master Mix kit	Analytical	71978-3	50 rxn	22385
<a href="#">281</a>	First Strand c-DNA synthesis kit	Analytical	69001-3	40 rxn	18755
<a href="#">282</a>	Gel DNA extraction kit	Analytical	70852-3	100 rxn	20570
<a href="#">283</a>	PCR Cleanup kit	Analytical	70976-3	100 rxn	22990
<a href="#">284</a>	Rnase solution	Analytical	70856-3	1 ml	3630
<a href="#">285</a>	PCR Master Mix	Analytical	71007-3	200 rxn	6050
<a href="#">286</a>	Perfect DNA 100 bp ladder	Analytical	70539-3	1000ul	6655
<a href="#">287</a>	Perfect DNA 50 bp ladder	Analytical	70538-3	1000ul	6655
<a href="#">288</a>	Perfect DNA 1 kb DNA ladder	Analytical	70537-3	1000ul	6655
<a href="#">289</a>	Pefect Protein Marker 10 - 225 kda	Analytical	69079-3	500ul	9680
<a href="#">290</a>	Trail Mix Protein Marker	Analytical	70980-3	500ul	12100
<a href="#">291</a>	10mM dNTP MIX	Analytical	71004-3	0.2ml	3630
<a href="#">292</a>	NOVATAQ HOT START DNA POLYMERASE	Analytical	71091-3	250 units	4840
<a href="#">293</a>	KOD Hot Start Master Mix	Analytical	71842-3	100 units	6655
<a href="#">294</a>	ACRYLAMIDE:BIS,37.5 500ML	Analytical	1500	500ml	5045.7
<a href="#">295</a>	ACRYLAMIDE, SOLID 200G	Analytical	1600	200g	7647.2
<a href="#">296</a>	AGAROSE,OMNIPUR 100GM	Analytical	2090	100g	14943.5
<a href="#">297</a>	AMMONIUM PERSULFATE	Analytical	2310	100g	1863.4

	100GM				
<a href="#"><u>298</u></a>	AMMONIUM PERSULFATE 50/EA	Analytical	2400	1PAC	8288.5
<a href="#"><u>299</u></a>	METHYLENE BIS ACRYLAM 25G	Analytical	2610	25g	2226.4
<a href="#"><u>300</u></a>	METHYLENE BIS ACYLAM 100G	Analytical	2620	100g	5045.7
<a href="#"><u>301</u></a>	BIS ACRYLAMIDE,2%SOL100ML	Analytical	2640	100ml	1700
<a href="#"><u>302</u></a>	BORIC ACID 1KG	Analytical	2710	1kg	3073.4
<a href="#"><u>303</u></a>	BRADFORD METHOD ASSAY KIT	Analytical	2740	1 kit	23667.6
<a href="#"><u>304</u></a>	BROMOPHENOL BLUE 25GM	Analytical	2830	25G	3533.2
<a href="#"><u>305</u></a>	BSA,FRACTION V 5GM	Analytical	2905	5G	11095.7
<a href="#"><u>306</u></a>	CALCIUM CHLORIDE 500GM	Analytical	3000	500g	2553.1
<a href="#"><u>307</u></a>	DNA EXTRACTION BUFFER 20L	Analytical	3700	20L	14919.3
<a href="#"><u>308</u></a>	ETHIDIUM BROMIDE 5GM	Analytical	4340	5g	7598.8
<a href="#"><u>309</u></a>	ETHIDIUM BROMIDE SOL 10ML	Analytical	4410	10ml	2528.9
<a href="#"><u>310</u></a>	MAGNESIUM CHLORIDE 500GM	Analytical	5980	500G	3279.1
<a href="#"><u>311</u></a>	POTASSIUM CHLORIDE 500GM	Analytical	7300	500g	2286.9
<a href="#"><u>312</u></a>	SOD DODECYL-SULFATE 500G	Analytical	7910	500g	9595.3
<a href="#"><u>313</u></a>	10X TAE BUFFER LIQUID CONC 4L	Analytical	8720	4L	8506.3
<a href="#"><u>314</u></a>	10X TAE BUF LIQ CONC 20LT	Analytical	8725	20L	29850.7
<a href="#"><u>315</u></a>	25X TAE BUFFER-DRYMIX	Analytical	8750	1 pc	5118.3
<a href="#"><u>316</u></a>	25X TAE BUF.PREMIX PWD FOR 20L	Analytical	8770	1 pac	46270.4
<a href="#"><u>317</u></a>	5X TBE BUFFER CONC. 4L	Analytical	8800	4l	4065.6
<a href="#"><u>318</u></a>	10XTBE BUFFER,LIQ.CON. 4L	Analytical	8820	4l	5868.5
<a href="#"><u>319</u></a>	10XTBE BUFFER,LIQ.CON.	Analytical	8830	20L	23909.6
<a href="#"><u>320</u></a>	10XTBE BUFFER,LIQ.CON.	Analytical	8840	200L	190127.3
<a href="#"><u>321</u></a>	10X TBE BUFFER DRYMIX PK	Analytical	8850	1 pac	2528.9
<a href="#"><u>322</u></a>	TE BUFFER SOL,PH8.0 100ML	Analytical	8890	100ml	2855.6
<a href="#"><u>323</u></a>	100X TE BUFFER SOL PH8 1L	Analytical	8910	1L	9317
<a href="#"><u>324</u></a>	TEMED,OMNIPUR 25ML	Analytical	8920	25ML	1185.8
<a href="#"><u>325</u></a>	TEMED,OMNIPUR 100ML	Analytical	8930	100ML	4779.5
<a href="#"><u>326</u></a>	TEMED,OMNIPUR 100ML	Analytical	8930	100ml	4779.5
<a href="#"><u>327</u></a>	TRIS,OMNIPUR 500GM	Analytical	9210	500g	3630
<a href="#"><u>328</u></a>	TRIS,OMNIPUR	Analytical	9230	5kg	29415.1
<a href="#"><u>329</u></a>	TRIS HYDROCHLORIDE 500GM	Analytical	9310	500G	5033.6



Sr. No	Name of Chemical/Glassware/ Plastic ware	Analytical / Commercial etc.	Brand Name	Cat. No	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	ABTS® BioChemica	Analytical	Applichem	A1088,0001	1 g	8686.8
<a href="#">2</a>	Acetaldehyde, 99% for synthesis	Analytical	Applichem	15A656.1609	250 ml	4572
<a href="#">3</a>	Acetaldehyde, 99% for synthesis	Analytical	Applichem	15A656.1611	1000 ml	8686.8
<a href="#">4</a>	Acetamide Broth (UNE-EN 12780:2002) (Dehydrated Culture Media) for microbiology	Analytical	Applichem	416259.1210	500 g	40233.6
<a href="#">5</a>	Acetic acid - Standard volumetric solution (1 M)	Analytical	Applichem	A2643,1000	1 L	6629.4
<a href="#">6</a>	Acetic Acid 100 % BioChemica	Analytical	Applichem	A3701,2500 PE	2,5 L	10515.6
<a href="#">7</a>	Acetic Acid 100 % for molecular biology	Analytical	Applichem	A3686,1000	1 L	7086.6
<a href="#">8</a>	Acetone (Reag. Ph. Eur.) for analysis, ACS, ISO	Analytical	Applichem	131007.1211	1 L	5257.8
<a href="#">9</a>	Acrylamide - Solution (30 %) - Mix 29 : 1 for molecular biology	Analytical	Applichem	A4983,0250	250 ml	7772.4
<a href="#">10</a>	Acrylamide - Solution (30 %) - Mix 29 : 1 for molecular biology	Analytical	Applichem	A4983,0500	500 ml	13030.2
<a href="#">11</a>	Acrylamide - Solution (30 %) - Mix 29 : 1 for molecular biology	Analytical	Applichem	A4983,1000	1 L	20802.6
<a href="#">12</a>	Acrylamide - Solution (30 %) - Mix 37.5 : 1 for molecular biology	Analytical	Applichem	A3626,0250	250 ml	8001
<a href="#">13</a>	Acrylamide - Solution (30 %) - Mix 37.5 : 1 for molecular biology	Analytical	Applichem	A3626,0500	500 ml	13716
<a href="#">14</a>	Acrylamide - Solution (30 %) - Mix 37.5 : 1 for molecular biology	Analytical	Applichem	A3626,1000	1 L	22174.2
<a href="#">15</a>	Acrylamide - Solution (40 %) - Mix 19 : 1 for molecular biology	Analytical	Applichem	A3658,0500	500 ml	16230.6
<a href="#">16</a>	Acrylamide - Solution (40 %) - Mix 19 : 1 for molecular biology	Analytical	Applichem	A3658,1000	1 L	23774.4
<a href="#">17</a>	Acrylamide - Solution (40 %) - Mix 29 : 1 for molecular biology	Analytical	Applichem	A0385,0500	500 ml	9144
<a href="#">18</a>	Acrylamide - Solution (40 %) - Mix 29 : 1 for molecular biology	Analytical	Applichem	A0385,1000	1 L	16687.8
<a href="#">19</a>	Acrylamide - Solution (40 %) - Mix 37.5 : 1 for molecular biology	Analytical	Applichem	A4989,0500	500 ml	14401.8
<a href="#">20</a>	Acrylamide - Solution (40 %) - Mix 37.5 : 1 for molecular biology	Analytical	Applichem	A4989,1000	1 L	22860
<a href="#">21</a>	Acrylamide - Solution (40 %) for molecular biology	Analytical	Applichem	A3632,0500	500 ml	13487.4
<a href="#">22</a>	Acrylamide - Solution (40 %) for molecular biology	Analytical	Applichem	A3632,1000	1 L	23774.4
<a href="#">23</a>	Acrylamide 2K Standard grade, pure	Analytical	Applichem	A1089,0500	500 g	7315.2
<a href="#">24</a>	Acrylamide 2K Standard grade, pure	Analytical	Applichem	A1089,1000	1 kg	11201.4
<a href="#">25</a>	Acrylamide 2K Standard grade, pure	Analytical	Applichem	A1089,5000	5 kg	43891.2
<a href="#">26</a>	Acrylamide 4K - Solution (30 %)	Analytical	Applichem	A1154,1000	1 L	17145
<a href="#">27</a>	Acrylamide 4K - Solution (30 %) - Mix 29 : 1	Analytical	Applichem	A0951,0500	500 ml	10287
<a href="#">28</a>	Acrylamide 4K - Solution (30 %) - Mix 29 : 1	Analytical	Applichem	A0951,1000	1 L	17602.2
<a href="#">29</a>	Acrylamide 4K - Solution (30 %) - Mix 37.5 : 1	Analytical	Applichem	A1672,0500	500 ml	10287

<a href="#">30</a>	Acrylamide 4K - Solution (30 %) - Mix 37.5 : 1	Analytical	Applichem	A1672,1000	1	L	17602.2
<a href="#">31</a>	Acrylamide 4K - Solution (40 %)	Analytical	Applichem	A0962,1000	1	L	18059.4
<a href="#">32</a>	Acrylamide 4K - Solution (40 %) - Mix 19 : 1	Analytical	Applichem	A1640,0500	500	ml	10287
<a href="#">33</a>	Acrylamide 4K - Solution (40 %) - Mix 19 : 1	Analytical	Applichem	A1640,1000	1	L	18288
<a href="#">34</a>	Acrylamide 4K - Solution (40 %) - Mix 29 : 1	Analytical	Applichem	A0950,0500	500	ml	11201.4
<a href="#">35</a>	Acrylamide 4K - Solution (40 %) - Mix 29 : 1	Analytical	Applichem	A0950,1000	1	L	18745.2
<a href="#">36</a>	Acrylamide 4K - Solution (40 %) - Mix 32 : 1	Analytical	Applichem	A0946,1000	1	L	18745.2
<a href="#">37</a>	Acrylamide 4K - Solution (40 %) - Mix 37.5 : 1	Analytical	Applichem	A1577,0500	500	ml	11430
<a href="#">38</a>	Acrylamide 4K - Solution (40 %) - Mix 37.5 : 1	Analytical	Applichem	A1577,1000	1	L	18745.2
<a href="#">39</a>	Acrylamide 4K - Solution (40 %) - Mix 49 : 1 for SSCP	Analytical	Applichem	A9546,0500	500	ml	11887.2
<a href="#">40</a>	Acrylamide 4K ultrapure	Analytical	Applichem	A1090,0100	100	g	6858
<a href="#">41</a>	Acrylamide 4K ultrapure	Analytical	Applichem	A1090,0500	500	g	24460.2
<a href="#">42</a>	Acrylamide 4K ultrapure	Analytical	Applichem	A1090,1000	1	kg	41148
<a href="#">43</a>	Acrylamide for molecular biology	Analytical	Applichem	A3812,0250	250	g	19659.6
<a href="#">44</a>	Acrylamide for molecular biology	Analytical	Applichem	A3812,0500	500	g	34290
<a href="#">45</a>	Acrylamide for molecular biology	Analytical	Applichem	A3812,1000	1	kg	56007
<a href="#">46</a>	Actinomycin D BioChemica	Analytical	Applichem	A1489,0005	5	mg	6400.8
<a href="#">47</a>	Adenine BioChemica	Analytical	Applichem	A0939,0025	25	g	8915.4
<a href="#">48</a>	Adenine BioChemica	Analytical	Applichem	A0939,0100	100	g	30861
<a href="#">49</a>	Adenosine 5'-Diphosphoric Acid Disodium Salt 2-hydrate BioChemica	Analytical	Applichem	A0948,0001	1	g	9144
<a href="#">50</a>	Adenosine 5'-Diphosphoric Acid Disodium Salt 2-hydrate BioChemica	Analytical	Applichem	A0948,0005	5	g	38176.2
<a href="#">51</a>	Adenosine 5'-Monophosphoric Acid Disodium SaltBioChemica	Analytical	Applichem	A1622,0010	10	g	10058.4
<a href="#">52</a>	Adenosine 5'-triphosphoric Acid Disodium Salt BioChemica	Analytical	Applichem	A1348,0005	5	g	5715
<a href="#">53</a>	Adenosine 5'-triphosphoric Acid Disodium Salt BioChemica	Analytical	Applichem	A1348,0010	10	g	9829.8
<a href="#">54</a>	Adenosine 5'-triphosphoric Acid Disodium Salt BioChemica	Analytical	Applichem	A1348,0025	25	g	21945.6
<a href="#">55</a>	Adenosine 5'-triphosphoric Acid Disodium Salt BioChemica	Analytical	Applichem	A1348,0100	100	g	67208.4
<a href="#">56</a>	Agar (USP) pure, pharma grade	Analytical	Applichem	141792.1208	100	g	19659.6
<a href="#">57</a>	Agar (USP) pure, pharma grade	Analytical	Applichem	141792.1209	250	g	48463.2
<a href="#">58</a>	Agar (USP) pure, pharma grade	Analytical	Applichem	141792.1211	1000	g	142417.8
<a href="#">59</a>	Agar Bacteriology grade	Analytical	Applichem	A0949,0100	100	g	5257.8
<a href="#">60</a>	Agar Bacteriology grade	Analytical	Applichem	A0949,0250	250	g	11887.2
<a href="#">61</a>	Agar Bacteriology grade	Analytical	Applichem	A0949,0500	500	g	21259.8
<a href="#">62</a>	Agar Bacteriology grade	Analytical	Applichem	A0949,1000	1	kg	38404.8
<a href="#">63</a>	Agar Bacteriology grade	Analytical	Applichem	A0949,5000	5	kg	149733
<a href="#">64</a>	Agar, Technical (Ingredient) for microbiology	Analytical	Applichem	401792.1210	500	g	18745.2
<a href="#">65</a>	Agarose Basic	Analytical	Applichem	A8963,0100	100	g	9372.6
<a href="#">66</a>	Agarose Basic	Analytical	Applichem	A8963,0250	250	g	22631.4
<a href="#">67</a>	Agarose Basic	Analytical	Applichem	A8963,0500	500	g	42748.2
<a href="#">68</a>	Agarose Basic	Analytical	Applichem	A8963,1000	1	kg	80238.6
<a href="#">69</a>	Agarose high EEO	Analytical	Applichem	A2115,0500	500	g	113842.8



<a href="#">70</a>	Agarose low EEO (Agarose Standard)	Analytical	Applichem	A2114,0100	100	g	26746.2
<a href="#">71</a>	Agarose low EEO (Agarose Standard)	Analytical	Applichem	A2114,0250	250	g	60121.8
<a href="#">72</a>	Agarose low EEO (Agarose Standard)	Analytical	Applichem	A2114,0500	500	g	107670.6
<a href="#">73</a>	Agarose low EEO (Agarose Standard)	Analytical	Applichem	A2114,1000	1	kg	185851.8
<a href="#">74</a>	Agarose Low Melt Large DNA grade	Analytical	Applichem	A3762,0025	25	g	44119.8
<a href="#">75</a>	Agarose medium EEO	Analytical	Applichem	A2116,0100	100	g	28346.4
<a href="#">76</a>	Agarose medium EEO	Analytical	Applichem	A2116,0500	500	g	113842.8
<a href="#">77</a>	Agarose MP	Analytical	Applichem	A1091,0100	100	g	39776.4
<a href="#">78</a>	Agarose MP	Analytical	Applichem	A1091,0250	250	g	93497.4
<a href="#">79</a>	Agarose MP	Analytical	Applichem	A1091,0500	500	g	168021
<a href="#">80</a>	Agnusid for HPLC	Analytical	Applichem	A6904,0020	20	mg	116128.8
<a href="#">81</a>	Albumin from chicken egg	Analytical	Applichem	A2245,0005	5	g	48234.6
<a href="#">82</a>	Albumin from chicken egg	Analytical	Applichem	A2245,0010	10	g	90754.2
<a href="#">83</a>	Albumin, human	Analytical	Applichem	A6611,0001	1	g	29260.8
<a href="#">84</a>	Ammonium nitrate p. A.	Analytical	Applichem	A1031,1000	1	kg	5486.4
<a href="#">85</a>	Ammonium Oxalate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	Analytical	Applichem	131136.1210	500	g	10515.6
<a href="#">86</a>	Ammonium Persulfate for molecular biology	Analytical	Applichem	A2941,0100	100	g	4343.4
<a href="#">87</a>	Ammonium Sulfate BioChemica	Analytical	Applichem	A1032,1000	1	kg	5486.4
<a href="#">88</a>	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	Analytical	Applichem	141018.1211	1000	g	10972.8
<a href="#">89</a>	DNA Ladder 100 bp	Analytical	Applichem	A5191,0005	50	µg	13258.8
<a href="#">90</a>	DNA Ladder 100 bp	Analytical	Applichem	A5191,0025	250	µg	58064.4
<a href="#">91</a>	DNA Ladder 100 bp (lyophilised)	Analytical	Applichem	A3470,0050	50	µg	16002
<a href="#">92</a>	Iron(II) sulfate heptahydrate pure Ph. Eur., USP	Analytical	Applichem	A1359,1000	1	kg	4572
<a href="#">93</a>	Lead(II) Acetate 3-hydrate pure	Analytical	Applichem	141466.1211	1000	g	11201.4
<a href="#">94</a>	Potassium Sulfate pure	Analytical	Applichem		1000	g	6629.4
<a href="#">95</a>	Potassium Thiocyanate (Reag. Ph. Eur.) for analysis, ACS, ISO	Analytical	Applichem		1000	g	29489.4
<a href="#">96</a>	Potato Dextrose Agar	Analytical	Applichem		500	g	16687.8
<a href="#">97</a>	Protease from Streptomyces griseus	Analytical	Applichem		5	g	144246.6
<a href="#">98</a>	Protein Marker I (14 - 116)	Analytical	Applichem		500	µl	10972.8
<a href="#">99</a>	Protein Marker II (6.5 - 200) prestained	Analytical	Applichem		250	µl	22174.2
<a href="#">100</a>	Protein Marker III (6.5 - 200)	Analytical	Applichem		1	ml	22174.2
<a href="#">101</a>	Protein Marker IV (10 - 150)	Analytical	Applichem		500	µl	26746.2
<a href="#">102</a>	Protein Marker VI (10 - 245) prestained	Analytical	Applichem		500	µl	24688.8
<a href="#">103</a>	Proteinase K	Analytical	Applichem		25	mg	8001
<a href="#">104</a>	Proteinase K	Analytical	Applichem		100	mg	18745.2
<a href="#">105</a>	Proteinase K	Analytical	Applichem		500	mg	56235.6
<a href="#">106</a>	Proteinase K – Solution	Analytical	Applichem		1	ml	5943.6
<a href="#">107</a>	Proteinase K – Solution	Analytical	Applichem		5	ml	16459.2
<a href="#">108</a>	Proteinase K – Solution	Analytical	Applichem		10	ml	29718
<a href="#">109</a>	Proteinase K, recombinant	Analytical	Applichem		100	mg	17373.6
<a href="#">110</a>	Proteinase K, recombinant	Analytical	Applichem		500	mg	51892.2
<a href="#">111</a>	qPCR Cyclcr Validation Kit	Analytical	Applichem		2	Tes ts	129159
<a href="#">112</a>	SDS BioChemica	Analytical	Applichem		1	kg	33375.6
<a href="#">113</a>	SDS for molecular biology	Analytical	Applichem		100	g	11887.2

<a href="#">114</a>	SDS for molecular biology	Analytical	Applichem		500	g	43891.2
<a href="#">115</a>	SDS for molecular biology	Analytical	Applichem		1	kg	76581
<a href="#">116</a>	Silver methanesulfonate pure	Analytical	Applichem		100	g	60579
<a href="#">117</a>	Silver Nitrate BioChemica	Analytical	Applichem		100	g	56007
<a href="#">118</a>	Silver Nitrate for analysis, ACS, ISO	Analytical	Applichem		1000	g	541096.2
<a href="#">119</a>	TAE buffer (10X)	Analytical	Applichem		1	L	6629.4
<a href="#">120</a>	TAE buffer (10X)	Analytical	Applichem		5	L	26289
<a href="#">121</a>	TAE buffer (10X)	Analytical	Applichem		10	L	42748.2
<a href="#">122</a>	TAE buffer (10X) for molecular biology	Analytical	Applichem		1	L	9601.2
<a href="#">123</a>	TAE buffer (10X) for molecular biology	Analytical	Applichem		5	L	29946.6
<a href="#">124</a>	TAE buffer (50X)	Analytical	Applichem		500	ml	5943.6
<a href="#">125</a>	TAE buffer (50X)	Analytical	Applichem		1	L	10287
<a href="#">126</a>	TAE buffer (50X)	Analytical	Applichem		5	L	38404.8
<a href="#">127</a>	TAE buffer (50X) for molecular biology	Analytical	Applichem		500	ml	7315.2
<a href="#">128</a>	TAE buffer (50X) for molecular biology	Analytical	Applichem		1	L	12344.4
<a href="#">129</a>	Taq DNA Polymerase	Analytical	Applichem		200	U	30403.8
<a href="#">130</a>	Taq DNA Polymerase	Analytical	Applichem		500	U	38633.4
<a href="#">131</a>	Taq DNA Polymerase	Analytical	Applichem		2500	U	167106.6
<a href="#">132</a>	Taq DNA Polymerase DNA-free	Analytical	Applichem		500	U	150876
<a href="#">133</a>	TBA Agar (ISO 9308-1:2000) (Prepared Plate (@ 55mm)) for microbiology	Analytical	Applichem		30	dis hes	11201.4
<a href="#">134</a>	TBE buffer (10X)	Analytical	Applichem		500	ml	4114.8
<a href="#">135</a>	TBE buffer (10X)	Analytical	Applichem		1	L	5486.4
<a href="#">136</a>	TBE buffer (10X)	Analytical	Applichem		5	L	14630.4
<a href="#">137</a>	TBE buffer (10X)	Analytical	Applichem		5	L	16002
<a href="#">138</a>	TBE buffer (10X)	Analytical	Applichem		10	L	26517.6
<a href="#">139</a>	TBE buffer (10X)	Analytical	Applichem		10	L	28346.4
<a href="#">140</a>	TBE buffer (10X) for molecular biology	Analytical	Applichem		1	L	8458.2
<a href="#">141</a>	TBE buffer (10X) powder	Analytical	Applichem		1	L	4572
<a href="#">142</a>	TBE buffer (10X) powder	Analytical	Applichem		5	L	11430
<a href="#">143</a>	TBE buffer (10X) powder	Analytical	Applichem		10	L	20345.4
<a href="#">144</a>	TBE buffer (5X)	Analytical	Applichem		5	L	10515.6
<a href="#">145</a>	TBE buffer (5X) for molecular biology	Analytical	Applichem		5	L	12801.6
<a href="#">146</a>	TBE buffer (5X) for molecular biology	Analytical	Applichem		5	L	13944.6
<a href="#">147</a>	TBE buffer (5X) powder	Analytical	Applichem		5	L	8686.8
<a href="#">148</a>	TBE buffer (5X) powder	Analytical	Applichem		10	L	15773.4
<a href="#">149</a>	TE buffer (100X) pH 7.5	Analytical	Applichem		500	ml	4572
<a href="#">150</a>	TE buffer (100X) pH 8.0	Analytical	Applichem		500	ml	4572
<a href="#">151</a>	TE buffer (1X) pH 7.5	Analytical	Applichem		1	L	4114.8
<a href="#">152</a>	TE buffer (1X) pH 8.0	Analytical	Applichem		1	L	4114.8
<a href="#">153</a>	TE buffer (1X) pH 8.0 for molecular biology	Analytical	Applichem		500	ml	4114.8
<a href="#">154</a>	TE buffer (1X) pH 8.0 for molecular biology	Analytical	Applichem		1	L	5715
<a href="#">155</a>	TE buffer (1X) pH 8.0 low EDTA for molecular biology	Analytical	Applichem		500	ml	3886.2
<a href="#">156</a>	TE buffer (1X) pH 8.0 low EDTA for molecular biology	Analytical	Applichem		1	L	5257.8
<a href="#">157</a>	TEMED	Analytical	Applichem		25	ml	5257.8
<a href="#">158</a>	TEMED	Analytical	Applichem		100	ml	5943.6

<a href="#"><u>159</u></a>	TEMED	Analytical	Applichem		250	ml	11887.2
<a href="#"><u>160</u></a>	TEMED	Analytical	Applichem		500	ml	21031.2
<a href="#"><u>161</u></a>	Urea Bio Chemica	Analytical	Applichem		5	kg	17830.8

Sr. No	Name of Chemical/Glassware/Plastic ware	SIZE	Analytical/Commercial etc.	Cat. No	Piece	Estimated Amount	Estimated Quantity to be procured in the F/Y 2018-19
<a href="#"><u>1</u></a>	BEAKERS	100ml	Analytical	2171/15	1	150.00	20
<a href="#"><u>2</u></a>	BEAKERS	250ml	Analytical	2171/21	1	275.00	20
<a href="#"><u>3</u></a>	BEAKERS	500ml	Analytical	2171/24	1	350.00	20
<a href="#"><u>4</u></a>	BEAKERS	1000ml	Analytical	2171/28	1	575.00	20
<a href="#"><u>5</u></a>	BURETTES	50ml	Analytical	3232/13	1	825.00	10
<a href="#"><u>6</u></a>	BURETTES	100ml	Analytical	3232/15	1	1750.00	10
<a href="#"><u>7</u></a>	CYLINDERS	50ml	Analytical	3086/13	1	350.00	20
<a href="#"><u>8</u></a>	CYLINDERS	100ml	Analytical	3086/15	1	725.00	20
<a href="#"><u>9</u></a>	Petri dish	100mm	Analytical	4271/1703	1	200.00	100
<a href="#"><u>10</u></a>	Petri dish	150mm	Analytical	4271/2104	1	550.00	100
<a href="#"><u>11</u></a>	FLASKS, ERLLENMEYER	10ml	Analytical	5091/06	1	125.00	20
<a href="#"><u>12</u></a>	FLASKS, ERLLENMEYER	25ml	Analytical	5091/10	1	175.00	20
<a href="#"><u>13</u></a>	FLASKS, ERLLENMEYER	50ml	Analytical	5091/13	1	200.00	20
<a href="#"><u>14</u></a>	FLASKS, ERLLENMEYER	100ml	Analytical	5191/15	1	275.00	20
<a href="#"><u>15</u></a>	FLASKS, ERLLENMEYER	250ml	Analytical	5091/21	1	425.00	20
<a href="#"><u>16</u></a>	FLASKS, ERLLENMEYER	500ml	Analytical	5091/24	1	675.00	20
<a href="#"><u>17</u></a>	FLASKS, ERLLENMEYER	1000ml	Analytical	5091/28	1	1100.00	20
<a href="#"><u>18</u></a>	VOLUMETRIC FLASKS	50ml	Analytical	6752/13	1	510.00	20
<a href="#"><u>19</u></a>	VOLUMETRIC FLASKS	100ml	Analytical	6752/15	1	540.00	20
<a href="#"><u>20</u></a>	VOLUMETRIC FLASKS	250ml	Analytical	6752/21	1	1200.00	20
<a href="#"><u>21</u></a>	VOLUMETRIC FLASKS	500ml	Analytical	6752/24	1	1600.00	20
<a href="#"><u>22</u></a>	VOLUMETRIC FLASKS	1000ml	Analytical	6752/28	1	2100.00	20
<a href="#"><u>23</u></a>	VOLUMETRIC FLASKS	2000ml	Analytical	6752/29	1	4000.00	20
<a href="#"><u>24</u></a>	FUNNEL	75mm	Analytical	7251/12	1	250.00	20
<a href="#"><u>25</u></a>	FUNNEL	100mm	Analytical	7251/12	1	325.00	20
<a href="#"><u>26</u></a>	PIPETTE	0.1ml	Analytical	8180/61	1	75.00	20
<a href="#"><u>27</u></a>	PIPETTE	0.2ml	Analytical	8180/62	1	75.00	20
<a href="#"><u>28</u></a>	PIPETTE	1ml	Analytical	8180/01	1	75.00	20
<a href="#"><u>29</u></a>	PIPETTE	2ml	Analytical	8180/03	1	95.00	20
<a href="#"><u>30</u></a>	PIPETTE	5ml	Analytical	8180/05	1	140.00	20

<a href="#"><u>31</u></a>	PIPETTE	10ml	Analytical	8180/06	1	225.00	20
<a href="#"><u>32</u></a>	PIPETTE	25ml	Analytical	8180/10	1	350.00	20

Sr. No	Name of Chemical/Glassware/ Plastic ware	Analytical/ Commercial etc.	Cat. No	Estimated Quantity to be procured in the F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Aluminum foils	Commercial		20	
<a href="#"><u>2</u></a>	Beakers Glass (1L)	Commercial		20	
<a href="#"><u>3</u></a>	Beakers Glass (500mL)	Commercial		20	
<a href="#"><u>4</u></a>	Beakers Plastic (1L)	Commercial		10	
<a href="#"><u>5</u></a>	Beakers Plastic (500mL)	Commercial		10	
<a href="#"><u>6</u></a>	Blood tubes (w anticoagulant)	Commercial		5	
<a href="#"><u>7</u></a>	Blood tubes (w/o anticoagulant)	Commercial		5	
<a href="#"><u>8</u></a>	Burette (Glass)	Commercial		10	
<a href="#"><u>9</u></a>	Burette Stand	Commercial		10	
<a href="#"><u>10</u></a>	Burner	Commercial		20	
<a href="#"><u>11</u></a>	Conical Flask (1L)	Commercial		20	
<a href="#"><u>12</u></a>	Conical Flask (250mL)	Commercial		20	
<a href="#"><u>13</u></a>	Conical Flask (500mL)	Commercial		20	
<a href="#"><u>14</u></a>	Conical Flask (500mL)	Commercial		20	
<a href="#"><u>15</u></a>	Cotton roll	Commercial		50	
<a href="#"><u>16</u></a>	Cotton swab, clinical	Commercial		10pkt	
<a href="#"><u>17</u></a>	Cover slips	Commercial		10pkt	
<a href="#"><u>18</u></a>	Cuvettes (Glass)	Commercial		2pair	
<a href="#"><u>19</u></a>	Cuvettes (Plastic)	Commercial		2pkt	
<a href="#"><u>20</u></a>	Cuvettes (Quartz)	Commercial		2pair	
<a href="#"><u>21</u></a>	Cylinder Glass (1L)	Commercial		20	
<a href="#"><u>22</u></a>	Cylinder Glass (500mL)	Commercial		20	
<a href="#"><u>23</u></a>	Cylinder Plastic (1L)	Commercial		20	
<a href="#"><u>24</u></a>	Cylinder Plastic (500mL)	Commercial		20	
<a href="#"><u>25</u></a>	Droppers	Commercial		2pkt	
<a href="#"><u>26</u></a>	Eppendorf tubes	Commercial		10pkt	
<a href="#"><u>27</u></a>	Eppendrof stands	Commercial		20	
<a href="#"><u>28</u></a>	Falcon Tubes (15 mL & 50 mL)	Commercial		25pkt each	
<a href="#"><u>29</u></a>	Filter paper Whatman sheets	Commercial		10pkt	
<a href="#"><u>30</u></a>	Glass slides	Commercial		20pkt	
<a href="#"><u>31</u></a>	Glass Test tube	Commercial		10gurs	
<a href="#"><u>32</u></a>	Glass tubes (capped)	Commercial		500	
<a href="#"><u>33</u></a>	Gloves	Commercial		10pkt	
<a href="#"><u>34</u></a>	Hb meter	Commercial		10	
<a href="#"><u>35</u></a>	Inoculation loop	Commercial		25	
<a href="#"><u>36</u></a>	Lancets	Commercial		10pkt	
<a href="#"><u>37</u></a>	Magnets	Commercial		25	
<a href="#"><u>38</u></a>	Micropipette	Commercial		5 set	
<a href="#"><u>39</u></a>	Micropipette tips (Blue)	Commercial		25pkt each	
<a href="#"><u>40</u></a>	Micropipette tips (White)	Commercial		25pkt	
<a href="#"><u>41</u></a>	Micropipette tips (Yellow)	Commercial		25pkt	
<a href="#"><u>42</u></a>	Parafilm	Commercial		10roll	
<a href="#"><u>43</u></a>	PCR tubes	Commercial		25pkt	
<a href="#"><u>44</u></a>	Petri plates (Glass)	Commercial		500	
<a href="#"><u>45</u></a>	Petri plates (Plastic)	Commercial		1000	
<a href="#"><u>46</u></a>	Pipettes Glass (10mL)	Commercial		20	
<a href="#"><u>47</u></a>	Pipettes Glass (1mL)	Commercial		20	
<a href="#"><u>48</u></a>	Pipettes Glass (5mL)	Commercial		20	
<a href="#"><u>49</u></a>	Reagent Bottles (1L)	Commercial		100	
<a href="#"><u>50</u></a>	Reagent Bottles (500mL)	Commercial		100	
<a href="#"><u>51</u></a>	Serological swab	Commercial		20pkt	
<a href="#"><u>52</u></a>	Test Tube stands	Commercial		100	
<a href="#"><u>53</u></a>	Thermometers	Commercial		10	

<a href="#"><u>54</u></a>	TLC apparatus with Chamber (German)	Commercial		10	
<a href="#"><u>55</u></a>	TLC plates	Commercial		5pkt	
<a href="#"><u>56</u></a>	Volumetric Flask (100mL)	Commercial		20	
<a href="#"><u>57</u></a>	Volumetric Flask (1L)	Commercial		20	
<a href="#"><u>58</u></a>	Volumetric Flask (250mL)	Commercial		20	
<a href="#"><u>59</u></a>	Volumetric Flask (500mL)	Commercial		20	
<a href="#"><u>60</u></a>	Westergen tube stand	Commercial		5	
<a href="#"><u>61</u></a>	Acetone (Commercial)	Commercial		50ml	
<a href="#"><u>62</u></a>	Agar	Commercial		5kg	
<a href="#"><u>63</u></a>	ALP Kit	Commercial		5	
<a href="#"><u>64</u></a>	Bilirubin Kit	Commercial		5	
<a href="#"><u>65</u></a>	Blood Grouping Kit	Commercial		5	
<a href="#"><u>66</u></a>	Cholesterol Kit	Commercial		5	
<a href="#"><u>67</u></a>	CK Kit	Commercial		5	
<a href="#"><u>68</u></a>	Creatinine Kit	Commercial		5	
<a href="#"><u>69</u></a>	DNS	Commercial		500g	
<a href="#"><u>70</u></a>	Ethanol	Commercial		100L	
<a href="#"><u>71</u></a>	Ethyl acetate (Commercial)	Commercial		50L	
<a href="#"><u>72</u></a>	Glucose Kit	Commercial		5	
<a href="#"><u>73</u></a>	Hb Kit	Commercial		5	
<a href="#"><u>74</u></a>	HBV strips/Kit	Commercial		5pkt	
<a href="#"><u>75</u></a>	HCV strips/Kit	Commercial		5pkt	
<a href="#"><u>76</u></a>	HDL Kit	Commercial		5	
<a href="#"><u>77</u></a>	Hydrogen Peroxide	Commercial		5L	
<a href="#"><u>78</u></a>	Isoamyl Alcohol	Commercial		10L	
<a href="#"><u>79</u></a>	LDL Kit	Commercial		5	
<a href="#"><u>80</u></a>	Methanol (Commercial)	Commercial		100L	
<a href="#"><u>81</u></a>	NBT	Commercial		100g	
<a href="#"><u>82</u></a>	Nessler’s reagent	Commercial		5L	
<a href="#"><u>83</u></a>	n-Hexane (Commercial)	Commercial		50L	
<a href="#"><u>84</u></a>	Nutrient agar	Commercial		5kg	
<a href="#"><u>85</u></a>	Nutrient Broth	Commercial		5kg	
<a href="#"><u>86</u></a>	PDA	Commercial		5kg	
<a href="#"><u>87</u></a>	Peptone	Commercial		5kg	
<a href="#"><u>88</u></a>	Petroleum Ether (Commercial)	Commercial		50L	
<a href="#"><u>89</u></a>	Protein Kit	Commercial		5	
<a href="#"><u>90</u></a>	Protein ladder	Commercial		10	
<a href="#"><u>91</u></a>	SGOT Kit	Commercial		5	
<a href="#"><u>92</u></a>	SGPT Kit	Commercial		5	
<a href="#"><u>93</u></a>	Sodium carbonate (Commercial)	Commercial		50kg	
<a href="#"><u>94</u></a>	Sodium Chloride	Commercial		10kg	
<a href="#"><u>95</u></a>	Sodium EDTA	Commercial		5kg	
<a href="#"><u>96</u></a>	Starch	Commercial		5kg	
<a href="#"><u>97</u></a>	TLC Solution	Commercial		1L	
<a href="#"><u>98</u></a>	Triglycerides Kit	Commercial		5	
<a href="#"><u>99</u></a>	Urea Kit	Commercial		5	
<a href="#"><u>100</u></a>	Uric acid Kit	Commercial		5	
<a href="#"><u>101</u></a>	Urine Analysis Strips	Commercial		10PKT	
<a href="#"><u>102</u></a>	Yeast extract	Commercial		5Kg	
<a href="#"><u>103</u></a>	Zinc sulfate	Commercial		5kg	
<a href="#"><u>104</u></a>	n-Hexane (Commercial)	Commercial		50L	
<a href="#"><u>105</u></a>	Petroleum Ether (Commercial)	Commercial		50L	
<a href="#"><u>106</u></a>	Sodium carbonate (Commercial)	Commercial		50Kg	

LIST OF CHEMICALS/GLASSWARE

Sr.No	Name of Chemicals/glassware	Analytical/ Commercial	Quantity	Estimated Cost
<a href="#"><u>1</u></a>	PEG-8000	Analytical	5 kg	4800/- kg
<a href="#"><u>2</u></a>	Trehalose	Analytical	1 kg	22000/- 250mg



<a href="#"><u>3</u></a>	Acetone	Analytical	100 lit	4800/- 2.5 lit
<a href="#"><u>4</u></a>	Sulphuric acid	Analytical	50 lit	4000/- 2.5 lit
<a href="#"><u>5</u></a>	TCA	Analytical	10 kg	3500/- 500 gm
<a href="#"><u>6</u></a>	Thiobarbituric acid	Analytical	100 gm	4800/- 25 gm
<a href="#"><u>7</u></a>	Zinc sulphate	Analytical	5 kg	4500/- kg
<a href="#"><u>8</u></a>	Iron sulphate	Analytical	5 kg	2300/- kg
<a href="#"><u>9</u></a>	Manganese sulphate	Analytical	5 kg	4800/- kg
<a href="#"><u>10</u></a>	Naphthalene acetic acid	Analytical	250 gm	9800/- 100 gm
<a href="#"><u>11</u></a>	K <sub>2</sub> CO <sub>3</sub>	Analytical	5 kg	3500/- kg
<a href="#"><u>12</u></a>	Ca(NO <sub>3</sub> )	Analytical	10 kg	3000/- kg
<a href="#"><u>13</u></a>	Mg(NO <sub>3</sub> )	Analytical	5 kg	6500/- kg
<a href="#"><u>14</u></a>	KHCO <sub>3</sub>	Analytical	5 kg	2000/- kg
<a href="#"><u>15</u></a>	MFS buffer	Analytical	5 llit	13000/- lit
<a href="#"><u>16</u></a>	Salicylic acid	Analytical	5 kg	9800/- kg
<a href="#"><u>17</u></a>	Methanol	Analytical	50 lit	1400/- 2.5 lit
<a href="#"><u>18</u></a>	Phenol	Analytical	10 kg	3500/- kg
<a href="#"><u>19</u></a>	Agar	Analytical	5 kg	6500/- 500 gm
<a href="#"><u>20</u></a>	NaOH	Analytical	5 kg	1800/- kg
<a href="#"><u>21</u></a>	Perchloric acid	Analytical	25 lit	22000/- 2.5 lit
<a href="#"><u>22</u></a>	Petroleum ether	Analytical	25 lit	4800/- 2.5 lit
<a href="#"><u>23</u></a>	Sodium chloride	Analytical	5 kg	1200/- kg
<a href="#"><u>24</u></a>	Ethanol absolute	Analytical	50 lit	7000/- 2.5 lit
<a href="#"><u>25</u></a>	Potassium chloride	Analytical	5 kg	2200/- kg
<a href="#"><u>26</u></a>	Acetic acid	Analytical	25 lit	2400/- 2.5 lit
<a href="#"><u>27</u></a>	Boric acid	Analytical	10 kg	2200/- kg
<a href="#"><u>28</u></a>	FFC SOP	Analytical	50 kg	12000/- 50 kg
<a href="#"><u>29</u></a>	FFC MOP	Analytical	50 kg	9800/- 50 kg
<a href="#"><u>30</u></a>	Folic Ciocaltean reagent	Analytical	2.5 lit	18000/- 500 ml
<a href="#"><u>31</u></a>	Nutrient broth	Analytical	1 kg	6500/- 500 gm
<a href="#"><u>32</u></a>	Sulphosalicylic acid	Analytical	5 kg	9000/- kg
<a href="#"><u>33</u></a>	MgSO <sub>4</sub>	Analytical	10 kg	1400/- kg
<a href="#"><u>34</u></a>	K <sub>2</sub> SO <sub>4</sub>	Analytical	10 kg	2200/- kg
<a href="#"><u>35</u></a>	KH <sub>2</sub> PO <sub>4</sub>	Analytical	10 kg	2400/- kg
<a href="#"><u>36</u></a>	Di-sod. hydrogen Phosphate	Analytical	10 kg	2800/- kg
<a href="#"><u>37</u></a>	Potassium dihydrogen Phosphate	Analytical	10 kg	2800/- kg
<a href="#"><u>38</u></a>	Mortal and pestle	Analytical	10 kg	600/- kg
<a href="#"><u>39</u></a>	Methionine	Analytical	500 gm	9000/- 100 gm
<a href="#"><u>40</u></a>	Riboflavin	Analytical	200 gm	3500/- 25 gm
<a href="#"><u>41</u></a>	Fe Citrate	Analytical	100 gm	12000/- 250 gm
<a href="#"><u>42</u></a>	NH <sub>2</sub> NO <sub>3</sub>	Analytical	10 kg	9800/- kg
<a href="#"><u>43</u></a>	KNO <sub>3</sub>	Analytical	10 kg	4800/- kg
<a href="#"><u>44</u></a>	Toluene	Analytical	25 lit	4000/- 2.5 lit

<a href="#"><u>45</u></a>	H <sub>2</sub> O <sub>2</sub>	Analytical	100 lit	1200/- lit
<a href="#"><u>46</u></a>	Phenylenediamine	Analytical	500 ml	12000/- 100 ml
<a href="#"><u>47</u></a>	Bacto-agar	Analytical	1 kg	12000/- 500 gm
<a href="#"><u>48</u></a>	Trypton	Analytical	1 kg	8000/- 500 gm
<a href="#"><u>49</u></a>	NaCl	Analytical	10 kg	1200/- kg
<a href="#"><u>50</u></a>	Yeast extract	Analytical	3 kg	4500/- 500 gm
<a href="#"><u>51</u></a>	HaAgarose LE molecular biology grate	Analytical	100 gm	19000/- 100 gm
<a href="#"><u>52</u></a>	Sucrose	Analytical	5 kg	1800/- kg
<a href="#"><u>53</u></a>	2,6 dichlorophenol	Analytical	10 gm	12000/- 5gm
<a href="#"><u>54</u></a>	Lead acetate	Analytical	5 kg	6500/- kg
<a href="#"><u>55</u></a>	Sodium potassium Tartrate	Analytical	5 kg	2400/- kg
<a href="#"><u>56</u></a>	Potassium oxalate	Analytical	5 kg	6500/- kg
<a href="#"><u>57</u></a>	GA <sub>3</sub> Gibberellic acid	Analytical	100 gm	24000/- 25 gm
<a href="#"><u>58</u></a>	Chloroform	Analytical	5 lit	3500/- 2.5 lit
<a href="#"><u>59</u></a>	N-hexane	Analytical	10 lit	3500/- 2.5 lit
<a href="#"><u>60</u></a>	Nitric acid	Analytical	25 lit	3000/- 2.5 lit
<a href="#"><u>61</u></a>	Copper sulphate	Analytical	10 kg	2900/- kg
<a href="#"><u>62</u></a>	Spirit	Analytical	50 lit	150/- lit
<a href="#"><u>63</u></a>	Corn meal agar	Analytical	1 kg	12000/- 500 gm
<a href="#"><u>64</u></a>	Nutrient agar	Analytical	1 kg	6500/- 500 gm
<a href="#"><u>65</u></a>	Phloxine B	Analytical	50gm	14000/- 25 gm
<a href="#"><u>66</u></a>	Potato dextrose agar Medium	Analytical	1 kg	12000/- 500 gm
<a href="#"><u>67</u></a>	Rose Bangal dye	Analytical	50gm	7000/- 25 gm
<a href="#"><u>68</u></a>	Silver nitrate	Analytical	100 gm	4500/- 25 gm
<a href="#"><u>69</u></a>	Neon agar medium	Analytical	1 kg	6500/- 500 gm
<a href="#"><u>70</u></a>	Phosphate buffer	Analytical	5 lit	14000/- lit
<a href="#"><u>71</u></a>	Potassium hydroxide	Analytical	5 kg	2400/- kg
<a href="#"><u>72</u></a>	Safranine dye	Analytical	50 gm	1500/- 25 gm
<a href="#"><u>73</u></a>	Mercuric chloride	Analytical	500gm	9800/- 100 gm
<a href="#"><u>74</u></a>	2,3,5 triphenyle tetrazolium chloride salt	Analytical	10gm	12000/- 10 gm
<a href="#"><u>75</u></a>	Colehicine	Analytical	2 gm	14500/- 1 gm
<a href="#"><u>76</u></a>	Ethyle methane Sulfonate	Analytical	200gm	16500/- 100 gm
<a href="#"><u>77</u></a>	Cadmium chloride	Analytical	2.5 kg	6500/- 500 gm
<a href="#"><u>78</u></a>	Cobalt chloride	Analytical	2.5 kg	9000/- 250 gm
<a href="#"><u>79</u></a>	Ferric chloride	Analytical	5 kg	8800/- kg
<a href="#"><u>80</u></a>	Nickel chloride	Analytical	3 kg	4800/- 500 gm
<a href="#"><u>81</u></a>	Methyl blue	Analytical	100 gm	2400/- 25 gm
<a href="#"><u>82</u></a>	Canda balsm	Analytical	2.5 kg	9000/-

				500 gm
<a href="#"><u>83</u></a>	KH <sub>2</sub> PO <sub>4</sub>	Analytical	5 kg	200/- kg
<a href="#"><u>84</u></a>	HNO <sub>3</sub>	Analytical	10 lit	3000/- 2.5 lit
<a href="#"><u>85</u></a>	NBT	Analytical	6 gm	15000/- 1gm
<a href="#"><u>86</u></a>	EDTA	Analytical	5 kg	4800/- kg
<a href="#"><u>87</u></a>	Guaiacol	Analytical	2 kg	19500/- 250gm
<a href="#"><u>88</u></a>	Ninhydrine	Analytical	100 gm	5500/- 25 gm
<a href="#"><u>89</u></a>	NBT	Analytical	6 gm	9800/- 1 gm
<a href="#"><u>90</u></a>	EDTA	Analytical	5 kg	4800/- kg
<a href="#"><u>91</u></a>	Guaiacol	Analytical	2 kg	19500/- 250gm
<a href="#"><u>92</u></a>	Ninhydrine	Analytical	100 gm	5500/- 25 gm
<a href="#"><u>93</u></a>	Thiourea	Analytical	5 kg	2800/- kg
<a href="#"><u>94</u></a>	TCA	Analytical	2 kg	2800/- 500gm
<a href="#"><u>95</u></a>	TBA	Analytical	100 gm	6500/- 25gm
<a href="#"><u>96</u></a>	KI	Analytical	5 kg	19500/- 1kg
<a href="#"><u>97</u></a>	Glacial acetic acid	Analytical	20 lit	1800/- 2.5 lit
<a href="#"><u>98</u></a>	Iodine	Analytical	3 kg	18500/-500gm
<a href="#"><u>99</u></a>	Sulphosalicylic acid	Analytical	5 kg	9800/- kg
<a href="#"><u>100</u></a>	Orthophosphoric acid	Analytical	20 lit	4800/- 2.5 lit
<a href="#"><u>101</u></a>	Toluene	Analytical	10 lit	6500/- 2.5 lit
<a href="#"><u>102</u></a>	Brilliant Blue	Analytical	15 gm	14500/- 5 gm
<a href="#"><u>103</u></a>	Ethanol	Analytical	50 lit	4800/- 2.5 lit
<a href="#"><u>104</u></a>	Folin Phenol reagent	Analytical	5 lit	14000/-500 ml
<a href="#"><u>105</u></a>	Triton-x	Analytical	2 lit	9000/- lit
<a href="#"><u>106</u></a>	Anthrone	Analytical	100 gm	9500/- 25 gm
<a href="#"><u>107</u></a>	Tween-20	Analytical	3 lit	6000/- lit
<a href="#"><u>108</u></a>	Formaldehyde	Analytical	10 lit	2800/- 2.5 lit
<a href="#"><u>109</u></a>	CTAB	Analytical	2 kg	14000/-500 m
<a href="#"><u>110</u></a>	Barium chloride	Analytical	10 kg	4000/- kg
<a href="#"><u>111</u></a>	Saffranine	Analytical	100 gm	3000/- 25 gm
<a href="#"><u>112</u></a>	Toludine blue	Analytical	100 gm	4800/- 25 gm
<a href="#"><u>113</u></a>	Ascorbic acid	Analytical	5 kg	9000/- kg
<a href="#"><u>114</u></a>	HClO <sub>4</sub>	Analytical	2.5 lit	3950/- 500 ml
<a href="#"><u>115</u></a>	Fe-EDTA	Analytical	5 kg	14500/- kg
<a href="#"><u>116</u></a>	Ammonium molybedate	Analytical	5 kg	18000/- kg
<a href="#"><u>117</u></a>	Ammonium metavenadate	Analytical	2.5 kg	12000/- 500 gm
<a href="#"><u>118</u></a>	Xylene	Analytical	15 lit	2400/- 2.5 lit
<a href="#"><u>119</u></a>	Fast green	Analytical	100 gm	9000/- 25 gm
<a href="#"><u>120</u></a>	Sodium carbonate	Analytical	10 kg	1950/- kg
<a href="#"><u>121</u></a>	Potassium chloride	Analytical	10 kg	1950/- kg
<a href="#"><u>122</u></a>	Boric acid	Analytical	15 kg	2400/- kg
<a href="#"><u>123</u></a>	Calcium nitrate	Analytical	15 kg	4800/- kg
<a href="#"><u>124</u></a>	Potassium nitrate	Analytical	15 kg	6500/- kg
<a href="#"><u>125</u></a>	Ammonium hydrogen phosphate	Analytical	5 kg	2800/- kg



<a href="#"><u>126</u></a>	Magnesium sulphate	Analytical	15 kg	1800/- kg
<a href="#"><u>127</u></a>	FeCl2	Analytical	5 kg	14000/- kg
<a href="#"><u>128</u></a>	Cadmium chloride	Analytical	5 kg	9800/- 500 gm
<a href="#"><u>129</u></a>	1,2-dichloroethane	Analytical	10 lit	14500/- 2.5 lit

<a href="#"><u>1</u></a>	Centrifuge tubes	1000 Nos.	30/- each
<a href="#"><u>2</u></a>	Eppendorf tubes	50 pkit	2400/- pkt
<a href="#"><u>3</u></a>	Petri Dish	1000 Nos.	150/- each
<a href="#"><u>4</u></a>	Blotter paper	1000 Nos.	25/- each
<a href="#"><u>5</u></a>	Plastic Tray	100 Nos.	900/- each
<a href="#"><u>6</u></a>	Flask	500 Nos.	450/- each
<a href="#"><u>7</u></a>	Glass slide	500 pkt	200/- pkt
<a href="#"><u>8</u></a>	Bottles	5000 Nos.	20/- each
<a href="#"><u>9</u></a>	Gloves	50 box	700/- box
<a href="#"><u>10</u></a>	Test tube stand steel	100 Nos.	200/- each
<a href="#"><u>11</u></a>	Digestion Flask	500 Nos.	450/- each
<a href="#"><u>12</u></a>	Flask holder	25 Nos.	600/- each
<a href="#"><u>13</u></a>	Starrier	100 Nos.	45/- each
<a href="#"><u>14</u></a>	Aluminum foil	50 roll	450/- roll
<a href="#"><u>15</u></a>	Pipette 5, 10ml	500 Nos.	250/- each
<a href="#"><u>16</u></a>	Petri Dishes	500 Nos.	300/- Pair
<a href="#"><u>17</u></a>	Slide box	50 Nos.	450/- each
<a href="#"><u>18</u></a>	Wash glass	100 Nos.	90/- each
<a href="#"><u>19</u></a>	Cover slips	100 ptt	150/- pkt
<a href="#"><u>20</u></a>	Slides 1	25 pkit	250/- pkt

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Zinc Acetate	Commercial	----	500g	Rs. 900/-
<a href="#"><u>2</u></a>	Methanol	Commercial	----	1500ml	Rs. 1700/-
<a href="#"><u>3</u></a>	Di-methyl Formaldehyde	Commercial	----	500ml	Rs. 800/-
<a href="#"><u>4</u></a>	Sodium Hydroxide (Sol.)	Commercial	----	500ml	Rs. 750/-

Submitted for your kind perusal and further necessary action please.

List of Chemicals

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018- 19	Estimated Amount
<a href="#"><u>1</u></a>	Zinc Acetate	Commercial	----	500g	Rs. 900/-
<a href="#"><u>2</u></a>	Methanol	Commercial	----	1500ml	Rs. 700/-
<a href="#"><u>3</u></a>	Di-methyl formaldehyde	Commercial	----	500ml	Rs. 1800/-
<a href="#"><u>4</u></a>	Sodium hydroxide (Sol.)	Commercial	----	500ml	Rs. 1750
<a href="#"><u>5</u></a>	Meta-Cresol	Commercial	----	1200ml	Rs. 3000/-
<a href="#"><u>6</u></a>	Sulphuric Acid	Commercial	----	2000ml	Rs. 4000/-
<a href="#"><u>7</u></a>	Glabour Salt	Commercial	----	1000g	Rs. 1500/-
<a href="#"><u>8</u></a>	Sodium Carbonate	Commercial	----	1500g	Rs. 3000/-
<a href="#"><u>9</u></a>	Acetic Acid	Commercial	----	1500ml	Rs. 3000/-
<a href="#"><u>10</u></a>	Sodium Chloride	Commercial	----	500g	Rs. 500/-

Submitted for your kind perusal and further necessary action please.

Sr. No	Product Code & Description	Quantity (Kg)/Lit
<a href="#"><u>1</u></a>	ACT-500 (Anti Scale and Corrosion Inhibitor)	150
<a href="#"><u>2</u></a>	ACT700 (Non Oxidizing Biocide)	50
<a href="#"><u>3</u></a>	HCL	50

Sr. No	Name of chemicals	Quantity	Price
<a href="#"><u>1</u></a>	Bacto-agar	1x500 g	Rs:6600/-
<a href="#"><u>2</u></a>	Trypton	1x500 g	Rs:6800/-
<a href="#"><u>3</u></a>	NaCl	1x500 g	Rs:1000/-
<a href="#"><u>4</u></a>	Potassium acetate	1x1 kg	Rs:3500/-
<a href="#"><u>5</u></a>	Sucrose	1x1 Kg	Rs:1700/-
<a href="#"><u>6</u></a>	Yeast extract	1x500 g	Rs:3500/-
<a href="#"><u>7</u></a>	EDTA	1x1kg	Rs:3000/-
<a href="#"><u>8</u></a>	Agarose	1x500 g	Rs:15000/-
<a href="#"><u>9</u></a>	Tris base	1x1 Kg	Rs:7600/-
<a href="#"><u>10</u></a>	Ethanol absolute (100%)	1x2.5 L	Rs:2500/-
<a href="#"><u>11</u></a>	Iso-propanol	1x2.5 L	Rs:2400/-
<a href="#"><u>12</u></a>	Isoamyl alcohol	1x2.5 L	Rs:5500/-
<a href="#"><u>13</u></a>	Tris HCl	1x500 g	Rs:6700/-
<a href="#"><u>14</u></a>	MS Salts	1x100 L	Rs:14000/-
<a href="#"><u>15</u></a>	2,4-D	1x100 g	Rs:4800/-
<a href="#"><u>16</u></a>	NAA	1x100g	Rs:4600/-
<a href="#"><u>17</u></a>	TDZ	1x100g	Rs:10000/-
<a href="#"><u>18</u></a>	Indoleacetic acid	1x25 g	Rs. 6000/-
<a href="#"><u>19</u></a>	Indol-3-butyric acid	1x25 g	Rs:5600/-
<a href="#"><u>20</u></a>	6-Benzyl amino purine	1x25 g	Rs:4500/-
<a href="#"><u>21</u></a>	Gibberellic acid	1x5g	Rs. 8000/-
<a href="#"><u>22</u></a>	Zeatin Riboside	1x10 mg	Rs:6700/-
<a href="#"><u>23</u></a>	Agar plant	1x500 g	Rs:12000/-
<a href="#"><u>24</u></a>	Gellan gum powder	1x1 Kg	Rs. 10000/-
<a href="#"><u>25</u></a>	Tween-20	1x500ml	Rs:4500/-
<a href="#"><u>26</u></a>	Glycine	1x1 Kg	Rs:2300/-
<a href="#"><u>27</u></a>	Nicotinic acid	1x100 g	Rs:2100/-
<a href="#"><u>28</u></a>	Pyridoxin HCl	1x25 g	Rs:3500/-
<a href="#"><u>29</u></a>	Thiamin HCl	1x25 g	Rs:4300/-
<a href="#"><u>30</u></a>	Spectinomycin dihydrochloride	1x25 g	Rs:5600/-
<a href="#"><u>31</u></a>	Streptomycin sulfate	1x25 g	Rs:5700/-
<a href="#"><u>32</u></a>	Kanamycin	1x10 g	Rs:6500/-
<a href="#"><u>33</u></a>	Rifampicine	1x5 g	Rs:5700/-
<a href="#"><u>34</u></a>	Antibitic Geneticin	1x1g	Rs. 4600/-
<a href="#"><u>35</u></a>	Ampicilline	1x100 g	Rs:10000/-
<a href="#"><u>36</u></a>	Timenton	1x100 g	Rs, 7500/-
<a href="#"><u>37</u></a>	Cefatoxim	1x100 g	Rs, 7500/-
<a href="#"><u>38</u></a>	Phosphinothricin	1x10 g	Rs. 8000/-
<a href="#"><u>39</u></a>	Chloromphenicol Sodium	1x25 g	Rs:6000/-
<a href="#"><u>40</u></a>	Myoinositol	1x100 g	Rs:4700/-
<a href="#"><u>41</u></a>	Taq DNA Polymerase	1x500 U	Rs:1700/-
<a href="#"><u>42</u></a>	Platinum Taq Ploymerase	1x120 rxns	Rs:10000/-
<a href="#"><u>43</u></a>	dNTPs	1x(4x0.25) ml	Rs:7500/-
<a href="#"><u>44</u></a>	Real time supermix	5x 1ml	Rs. 25000/-
<a href="#"><u>45</u></a>	Real time plates and strips	1x96 well	Rs. Rs 500/-
<a href="#"><u>46</u></a>	Ethidium bromide	1x10 ml	Rs:4500/-
<a href="#"><u>47</u></a>	Primers synthesis	Each Nucleotide	Rs:30/-

<a href="#"><u>48</u></a>	Synthetic oligos	Each Nucleotide	Rs:32/-
<a href="#"><u>49</u></a>	Albumin bovine	1x50 g	Rs:10000/-
<a href="#"><u>50</u></a>	Spermidine free base	1x1 g	Rs:4300/-
<a href="#"><u>51</u></a>	DEPC	1x25 ml	Rs:10000/-
<a href="#"><u>52</u></a>	Kinetin	1x1g	Rs:2500/-
<a href="#"><u>53</u></a>	X-GAL	1x10 ml	Rs:10000/-
<a href="#"><u>54</u></a>	IPTG	10x1.5ml	Rs:8000/-
<a href="#"><u>55</u></a>	RNAse A	1x10 mg	Rs:4600/-
<a href="#"><u>56</u></a>	Marcepto ethanol	1x100 ml	Rs:3000/-
<a href="#"><u>57</u></a>	Methanol	1x2.5L	Rs:1700/-
<a href="#"><u>58</u></a>	Casein	1x500 g	Rs:6500/-
<a href="#"><u>59</u></a>	Chloroform	1x2.5 L	Rs:2000/-
<a href="#"><u>60</u></a>	HCL	1x2.5 L	Rs:6500/-
<a href="#"><u>61</u></a>	Glacial Acetic acid	1x2.5 ml	Rs:2100/-
<a href="#"><u>62</u></a>	CaCl2	1x1 Kg	Rs:2500/-
<a href="#"><u>63</u></a>	MgCl2	1x1 Kg	Rs:2500/-
<a href="#"><u>64</u></a>	Glycerol	1x2.5 L	Rs:4700/-
<a href="#"><u>65</u></a>	SDS	1x500 g	Rs:5000/-
<a href="#"><u>66</u></a>	CTAB	1x500 g	Rs:6700/-
<a href="#"><u>67</u></a>	Acetone	1x2.5 L	Rs:6600/-
<a href="#"><u>68</u></a>	HCl	1x2.5 L	Rs:5500/-
<a href="#"><u>69</u></a>	Sulphuric acid	1x2.5 L	Rs:6900/-
<a href="#"><u>70</u></a>	Bromophenol blue	1x25 g	Rs:3700/-
<a href="#"><u>71</u></a>	Acrylamide	1x500g	Rs:5400/-
<a href="#"><u>72</u></a>	Bis acrylamide	1x100 g	Rs:3800/-
<a href="#"><u>73</u></a>	Ammonium per sulphate	1x1kg	Rs:3300/-
<a href="#"><u>74</u></a>	Acetosyringone	1x100 g	Rs. 8000/-
<a href="#"><u>75</u></a>	Glufosinate/Basta	1x5 lites	Rs. 8000/-
<a href="#"><u>76</u></a>	TEMED	1x100ml	Rs:3500/-
<a href="#"><u>77</u></a>	PMSF	1x5g	Rs:6500/-
<a href="#"><u>78</u></a>	Beta Mercepto Ethanol	1x100 ml	Rs:3500/-
<a href="#"><u>79</u></a>	Formamide (De-ionized)	1x5 L	Rs:4700/-
<a href="#"><u>80</u></a>	Syringe filters (0.2 u)	1x100	Rs. 25000/-
<a href="#"><u>81</u></a>	PVP	1x1 Kg	Rs:11500/-
<a href="#"><u>82</u></a>	Danhaurdant’s solution	1x500 ml	Rs. 15000/-
<a href="#"><u>83</u></a>	Nitrocellulose membrane	One Roll	Rs:20,000/-
<a href="#"><u>84</u></a>	Gene gun accessories (gold particles, rupture disk, stoping screen and macrocarrier)	01 kit	Rs. 100,000/-

**PLASTICWARE/GLASSWARE**

Sr. No	Name of Plasticware/Glassware	Quantity	Price
<a href="#"><u>1</u></a>	Eppendorf	1x1000 Nos	Rs:1600/-
<a href="#"><u>2</u></a>	Pipett tips 1000 ul	1x1000/Pack	Rs:1000/-
<a href="#"><u>3</u></a>	Pipett tips 200 ul	1x1000/Pack	Rs:500/-
<a href="#"><u>4</u></a>	Pipett tips 10 ul	1x1000/Pack	Rs:745/-
<a href="#"><u>5</u></a>	Falcons 50 ml	1x500/Case	Rs:4700/-
<a href="#"><u>6</u></a>	Falcons 15 ml	1x500/Case	Rs:2700/-
<a href="#"><u>7</u></a>	Glass test tubes (small and large)	1x100/case	Rs. 2500/-
<a href="#"><u>8</u></a>	Glass test tube racks	1x12/case	Rs. 4000/-
<a href="#"><u>9</u></a>	Petri plates plastic	1x500/Case	Rs:3500/-
<a href="#"><u>10</u></a>	Petri plates glass	1x100/case	Rs. 25000/-
<a href="#"><u>11</u></a>	Glass bottles (100+250+500+1000+2000 ml)	1 each	Rs:450/- for 100ml Rs: 482/- for 250ml Rs: 634/- for500ml Rs:900/- for 1000ml Rs: 1500/- for

			2000ml
<a href="#"><u>12</u></a>	Measuring cylinders (100ml+250ml+500ml+100ml)	1 each	Rs:720/- for100ml Rs:1073/-for 250ml Rs:1538/-for 500ml Rs:2253/-for 1000ml
<a href="#"><u>13</u></a>	Conical flasks (100ml+250ml+500ml+1000ml)	1each	Rs:192/-for 100ml Rs:292/-for 250ml Rs:425/-for 500ml Rs:656/-for 1000ml
<a href="#"><u>14</u></a>	PCR tubes	500pcs	Rs: 3500/-
<a href="#"><u>15</u></a>	Glass beakers (100ml+250ml+500ml+1LTR)	1 each	Rs:93/- for 100ml Rs:125/-for 250ml Rs:206/- for 500ml Rs:393/-for 1000ml

**KITS**

Sr. No	Name of Kit	Quantity	Price
<a href="#"><u>1</u></a>	RNA isolation Kit	1x50 Prep’s	Rs:20,000/-
<a href="#"><u>2</u></a>	Plasmid DNA extraction mini kit	1x250 prep’s	Rs:20500/-
<a href="#"><u>3</u></a>	Plasmid DNA extraction midi kit	1x25 Preps	Rs:22000/-
<a href="#"><u>4</u></a>	PCR Cleanup Mini Kit	1x50 Preps	Rs:11000/-
<a href="#"><u>5</u></a>	Gel Purification kit	1x50 Prep’s	Rs:9000/-
<a href="#"><u>6</u></a>	cDNA synthesis kit	1x100 rxns	Rs:22000/-
<a href="#"><u>7</u></a>	T/A cloning kit	1x30 rxns	Rs:19500/-
<a href="#"><u>8</u></a>	DNA labeling kit	1x30 rxns	Rs:26000/-
<a href="#"><u>9</u></a>	Chromogenic detection kit for Southern Blot analysis	1x30 rxns	Rs:26000/-

**Enzymes**

Sr. No	Name of Enzymes	Quantity	Price
<a href="#"><u>1</u></a>	ClaI	01 vial	Rs:6600/-
<a href="#"><u>2</u></a>	SphI	01 vial	Rs:6300/-
<a href="#"><u>3</u></a>	T4 DNA ligase	1x1000 U	Rs:6400/-
<a href="#"><u>4</u></a>	EcoRI	1x800 rxns	Rs:4400/-
<a href="#"><u>5</u></a>	HindIII	1x800 rxns	Rs:4400/-
<a href="#"><u>6</u></a>	PVUII	1x400 rxns	Rs:3500/-
<a href="#"><u>7</u></a>	PstI	1x800 rxns	Rs:4900/-
<a href="#"><u>8</u></a>	XbaI	1x300 rxns	Rs:7600/-
<a href="#"><u>9</u></a>	XhoI	1x400 rxns	Rs:6800/-
<a href="#"><u>10</u></a>	SpeI	1x400 rxns	Rs. 6500/-
<a href="#"><u>11</u></a>	SacI	1x500 rxns	Rs. 6500/-
<a href="#"><u>12</u></a>	NdeI	1x500 rxns	Rs. 6500/-
<a href="#"><u>13</u></a>	MluI	1x100 rxns	Rs:5400/-
<a href="#"><u>14</u></a>	NdeI	1x100 rxns	Rs:4600/-
<a href="#"><u>15</u></a>	NheI	1x50 rxns	Rs:4500/-
<a href="#"><u>16</u></a>	BamHI	1x800 rxns	Rs:4500/-
<a href="#"><u>17</u></a>	Not 1	1x20 rxns	Rs:4700/-
<a href="#"><u>18</u></a>	EcoRV	1x200 rxns	Rs:4800/-
<a href="#"><u>19</u></a>	KpnI	1x300 rxns	Rs:4500/-
<a href="#"><u>20</u></a>	HincII	1x100 rxns	Rs:4500/-
<a href="#"><u>21</u></a>	SmaI	1x200 rxns	Rs:4800/-
<a href="#"><u>22</u></a>	BglII	1x100 rxns	Rs:4900/-
<a href="#"><u>23</u></a>	Alkaline phosphatase	Rs:8500/-	Rs:6500/-
<a href="#"><u>24</u></a>	<b>Vectors</b>		
<a href="#"><u>25</u></a>	pBlueScript vector	01 vial	Rs:10,000/-
<a href="#"><u>26</u></a>	pUC19 vector	01 vial	Rs:10,000/-

<a href="#">27</a>	Binary vectors		Rs. 20000/-
<a href="#">28</a>	E.coli strains for competent cells		Rs. 5000/-
<a href="#">29</a>	Agrobacterium strains		Rs. 5000/-

Sr . No	Name of Chemical/Glassware / Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">1</a>	Nigrosin stain (water soluble)	Analytical	N4763-25G	25 gm	4190
<a href="#">2</a>	Dulbecco's modified Eagles Medium (DMEM)	Analytical	51435C-500ML	500 ml	4936
<a href="#">3</a>	Immersion oil	Analytical	56822-250ML	250	8381
<a href="#">4</a>	Zinc Sulphate	Analytical	Z0251-500G	500gm	10500
<a href="#">5</a>	Titanium dioxide	Analytical	798495-25G	25 gm	12716
<a href="#">6</a>	Eosin Bluish	Analytical	861006-10G	10 gm	5144
<a href="#">7</a>	Methyl orange	Analytical	114510	100 gm	7300
<a href="#">8</a>	Methylene blue	Analytical	M9140	5 gm	9630
<a href="#">9</a>	Silicon Dioxide	Analytical	637238	50 gm	16287
<a href="#">10</a>	Calcium chloride	Analytical	C1016-100G	100gm	4219
<a href="#">11</a>	Iron Oxide			100 gm	64000
<a href="#">12</a>	Benzoic acid	Analytical	242381-100G	100 gm	4473
<a href="#">13</a>	Ethyl acetate	Analytical	270989-100ML	100 ml	4826
<a href="#">14</a>	Chromium nitrate	Analytical	239259-100G	100gm	6242
<a href="#">15</a>	Alkaline Phosphatase	Analytical		10 ml	31885
<a href="#">16</a>	BCIP/NBT alkaline phosphatase (5-Bromo-4-Chloro Phosphatase )/ Nitro Blue Tetrazolium)	Analytical	840W-1KT	1KT	54764
<a href="#">17</a>	Horse radish peroxidase DAB Peroxidase	Analytical	GERPN4401	1 pack	124733
<a href="#">18</a>	Acetonitril	Analytical	271004-100ML	100 ml	7167
<a href="#">19</a>	Methanole	Analytical	34680-1L-R	1000 ml	4815
<a href="#">20</a>	Activated charcoal	Analytical		250 gm	9913
<a href="#">21</a>	formic acid	Analytical	F0507-100ML	100 ml	4000
<a href="#">22</a>	methyl tert-butylether (MTBE)	Analytical	718750-5G	5G	19646
<a href="#">23</a>	Hexane	Analytical	296090-100ML	100 ml	6358
<a href="#">24</a>	HPLC Water	Analytical	34877-1L	1000 ml	6126
<a href="#">25</a>	Hydroxylamine	Analytical	159417-100G	100 gm	4000
<a href="#">26</a>	ascorbic acid	Analytical	BP461	2 gm	19998
<a href="#">27</a>	β-glucuronidase	Analytical	1041140002	100 ku	13756
<a href="#">28</a>	dichloromethane(DCM)	Analytical	D65100-1L	1000ml	8092
<a href="#">29</a>	Oxytetracycline hydrochloride	Analytical	PHR1325-500MG	500mg	7629
<a href="#">30</a>	Cyprofloxacin	Analytical	17850	5 gm	3399
<a href="#">31</a>	Enrofloxacin	Analytical	17849	5g	15000
<a href="#">32</a>	Neomycin Trisulphate hydrate	Analytical	N1876	25 gm	7789
<a href="#">33</a>	Colistine Sulphate	Analytical	Y000277	1 gm	4673
<a href="#">34</a>	Standards of	Analytical	AN441,	2 ml each	188648

	Aflatoxin B1, B2, G1, G2, T2, and Zeralenone		AF10,32754,A6428,CRM46300		
<a href="#">35</a>	pregnenolone (P5) [5-pregnen-3β-ol-20-one]	Analytical	P0543-100MG	100MG	12947
<a href="#">36</a>	dehydroepiandrosterone (DHEA)	Analytical	D-063-1ML	1ML	
<a href="#">37</a>	[5-androsten-3β-ol-17-one]	Analytical	709549-10MG	10MG	56990
<a href="#">38</a>	androstenedione	Analytical	A-075-1ML	1ML	4161
<a href="#">39</a>	(A) [4-androsten-3,17-dione]	Analytical	779717-100MG	100MG	9479
<a href="#">40</a>	testosterone (T) [4-androsten-17β-ol-3-one]	Analytical	T9890-25MG	25MG	21848
<a href="#">41</a>	estrone (E1)[1,3,5(10)-estratrien-3-ol-17-one]	Analytical	E9750-25G	25G	48205
<a href="#">42</a>	DHEA-d2	Analytical	260630-5G	5G	13756
<a href="#">43</a>	Estrone (E1)	Analytical	E9750	500MG	5912
<a href="#">44</a>	17b-estradiol (E2)	Analytical	E060	1ML	15204
<a href="#">45</a>	Estriol (E3)	Analytical	E1253-100MG	100MG	6900
<a href="#">46</a>	Specimen jar 12” x 5”	Analytical	SSI/248	---	---
<a href="#">47</a>	Haematoxylline	Analytical	H3136	25GM	20695
<a href="#">48</a>	Eosin	Analytical	45260-25G-F	25 GM	10277
<a href="#">49</a>	Lactophnol blue	Analytical	61335-100ML	100 ml	2618

Sr. No	Name of Chemical/Glassware/Plasticware	Analytical/Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#">50</a>	Aluminum foil rool			30	
<a href="#">51</a>	Bacterial Culture Tubes (5ml) Glass			10	
<a href="#">52</a>	Beaker, 100 ml			30	
<a href="#">53</a>	Beaker, 600 ml			20	
<a href="#">54</a>	Beaker, 1000 ml			25	
<a href="#">55</a>	BioReba sample bags			1000	
<a href="#">56</a>	Bunsen burner			34	
<a href="#">57</a>	Burette, 50 ml			15	
<a href="#">58</a>	Centrifuge tubes (1.5 ml)			15	
<a href="#">59</a>	Centrifuge tubes 10 ml			500	
<a href="#">60</a>	Centrifuge tubes (15 ml)			100	
<a href="#">61</a>	Centrifuge tubes (50 ml)			100	
<a href="#">62</a>	Centrifuge tubes racks (for 10 ml)			10	
<a href="#">63</a>	Centrifuge tubes racks (for 5 ml)			10	
<a href="#">64</a>	Centrifuge tubes racks (for 50 ml)			10	
<a href="#">65</a>	Concentration Tubes			300	
<a href="#">66</a>	Cover slips (packets)			4	
<a href="#">67</a>	Coverslips			20 boxes	
<a href="#">68</a>	Culture media bottle 250 ml			20	
<a href="#">69</a>	Culture media bottle 500ml			20	
<a href="#">70</a>	Culture media bottle 1000ml			20	
<a href="#">71</a>	Desiccator			3	
<a href="#">72</a>	Disposablenitrile exam gloves			10	
<a href="#">73</a>	DNA Extraction kits			10	

<a href="#">74</a>	DNA Purification Kits			10	
<a href="#">75</a>	DNA Testing kits			10	
<a href="#">76</a>	DURAN Laboratory bottle 100ml			30	
<a href="#">77</a>	DURAN Laboratory bottle 250ml			30	
<a href="#">78</a>	DURAN Laboratory bottle 500ml			20	
<a href="#">79</a>	DURAN Laboratory bottle 1000 ml			30	
<a href="#">80</a>	ELISA Extraction Kits			10	
<a href="#">81</a>	ELISA Strips			10	
<a href="#">82</a>	ELISA TESTING Kits			10	
<a href="#">83</a>	Eppendorf Tubes 1.5 ml			3000	
<a href="#">84</a>	Eppendorf Tubes 2 ml			3000	
<a href="#">85</a>	Erlenmeyer flask 50ml			10	
<a href="#">86</a>	Erlenmeyer flask 100ml			75	
<a href="#">87</a>	Erlenmeyer flask 200 ml			610	
<a href="#">88</a>	Erlenmeyer flask 250ml			15	
<a href="#">89</a>	Erlenmeyer flask 500 ml			215	
<a href="#">90</a>	Falcon tubes 15 ml			400	
<a href="#">91</a>	Falcon tubes 50 ml			400	
<a href="#">92</a>	Funnel			60	
<a href="#">93</a>	Glass beakers (500ml)			10	
<a href="#">94</a>	Glass beakers (1000ml)			10	
<a href="#">95</a>	Glass centrifuges tubes			15	
<a href="#">96</a>	Glass Microscope Slides			22 boxes	
<a href="#">97</a>	Glass stirrer 4’’			2	
<a href="#">98</a>	Glass stirrer 8’’			15	
<a href="#">99</a>	Glass test tubes (20 x 20 mm)			100	
<a href="#">100</a>	Glass test tubes (25 x 200 mm)			100	
<a href="#">101</a>	Glass test tubes racks (20 x 200 mm steel			20	
<a href="#">102</a>	Glass test tubes racks (25 x 200 mm steel			20	
<a href="#">103</a>	Glass thermometer			6	
<a href="#">104</a>	Gloves 9small, medium, large)			8 sets	
<a href="#">105</a>	Haemocytometer			4	
<a href="#">106</a>	Hot plates (Supporting magnetic stirrer)			2	
<a href="#">107</a>	Ice bags			10	
<a href="#">108</a>	Immuno Strips (Virus Detection)			4	
<a href="#">109</a>	Inoculation loop with needle			6	
<a href="#">110</a>	Inoculating Loops holders			15	
<a href="#">111</a>	Laboratory china dishes			12	
<a href="#">112</a>	Measuring cylinder, 10ml			26	
<a href="#">113</a>	Measuring cylinder, 25ml			11	
<a href="#">114</a>	Measuring cylinder, 50ml			11	
<a href="#">115</a>	Measuring cylinder, 100 ml			26	
<a href="#">116</a>	Measuring cylinder, 250ml			11	
<a href="#">117</a>	Measuring cylinder, 500ml			21	
<a href="#">118</a>	Measuring cylinder, 1000ml			33	
<a href="#">119</a>	Measuring cylinder, 2000ml			3	
<a href="#">120</a>	Micropipette P10			5	
<a href="#">121</a>	Micropipette P 100			5	
<a href="#">122</a>	Micropipette P200			4	
<a href="#">123</a>	MicropipetteP1000			6	
<a href="#">124</a>	Micropipette P5000			1	
<a href="#">125</a>	Micropipette Tips (0.5ul)			2000	
<a href="#">126</a>	Micropipette Tips (10 ul)			3000	



<a href="#"><u>127</u></a>	Micropipette Tips (20 ul)			3 bags	
<a href="#"><u>128</u></a>	Micropipette Tips (100 ul)			8000	
<a href="#"><u>129</u></a>	Micropipette Tips (1000 ul)			5000	
<a href="#"><u>130</u></a>	Micropipette tips (200 ul)			3000	
<a href="#"><u>131</u></a>	Milles-GS Syringe Filter				
<a href="#"><u>132</u></a>	Parafilm (4 in. 125 ft)			3 boxes of 100 pes	
<a href="#"><u>133</u></a>	Parafilm roll			9	
<a href="#"><u>134</u></a>	Pestle & mortar			14	
<a href="#"><u>135</u></a>	Peteri dish disposable			2000	
<a href="#"><u>136</u></a>	Petri dishes (55 x 14 mm)			200	
<a href="#"><u>137</u></a>	Petri dishes (90x14mm)			300	
<a href="#"><u>138</u></a>	Pipette sucker			15	
<a href="#"><u>139</u></a>	Pipette Tips Box (0.5 ul)			7	
<a href="#"><u>140</u></a>	Pipette Tip Box (10 ul)			13	
<a href="#"><u>141</u></a>	Pipette Tip Box (100 ul)			13	
<a href="#"><u>142</u></a>	Pipette Tip Box (1000 ul)			13	
<a href="#"><u>143</u></a>	Pipette Tip Box (200 ul)			7	
<a href="#"><u>144</u></a>	Plain Magentic strirrer Bars			2 sets	
<a href="#"><u>145</u></a>	Plastic beaker (2000ml)			10	
<a href="#"><u>146</u></a>	Round bottom flask			100	
<a href="#"><u>147</u></a>	Rubber bands			15	
<a href="#"><u>148</u></a>	Sample bags			1500	
<a href="#"><u>149</u></a>	Spirti lamp			10	
<a href="#"><u>150</u></a>	Sterile membrane filter			2	
<a href="#"><u>151</u></a>	Surgical Cotton			5	
<a href="#"><u>152</u></a>	Syringe disposable			40	
<a href="#"><u>153</u></a>	Test Tube			50	
<a href="#"><u>154</u></a>	Test Tube 10ml			500	
<a href="#"><u>155</u></a>	Test tube 25ml			100	
<a href="#"><u>156</u></a>	Test tube 25x150mm			30	
<a href="#"><u>157</u></a>	Test tube stand plastic			4	
<a href="#"><u>158</u></a>	Test tube stand plastic long			2	
<a href="#"><u>159</u></a>	Test tube stand plastic small			4	
<a href="#"><u>160</u></a>	Volumetric flask 200ml			10	
<a href="#"><u>161</u></a>	Volumetric flask 250 ml			10	
<a href="#"><u>162</u></a>	Volumetric flask 500 ml			5	
<a href="#"><u>163</u></a>	Volumetric flask 1000ml			15	
<a href="#"><u>164</u></a>	Volumetric Flasks			10	
<a href="#"><u>165</u></a>	Volumetric pipette, 5 ml			30	
<a href="#"><u>166</u></a>	Volumetric pipette, 10 ml			30	
<a href="#"><u>167</u></a>	Volumetric pipette, 25 ml			30	
<a href="#"><u>168</u></a>	Whatman filter paper			20	
<a href="#"><u>169</u></a>	Zip lock Sample bags (1 Gallon)			500	
<a href="#"><u>170</u></a>	Zip lock Smaple bags (1/2 Gallon)			500	

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc.	Cat. No.	Estimated Quantity to be procured in F/Y 2018- 19	Estimated Amount
<a href="#"><u>1</u></a>	2,3,5-Triphenyltetrazolium chloride	Analytical		50 g	
<a href="#"><u>2</u></a>	2-Methyl-1-Propanol for HPLC, 99.5%	Analytical		1 Liter	
<a href="#"><u>3</u></a>	4-Methyl-2-pentanone for HPLC, ≥99.5%	Analytical		1 Liter	
<a href="#"><u>4</u></a>	Acetic acid	Analytical		2 Liter	
<a href="#"><u>5</u></a>	Acetone	Analytical		10 Liter	



<a href="#"><u>6</u></a>	Acetonitrile	Analytical		5 liter	
<a href="#"><u>7</u></a>	Acrylamide	Analytical		1 kg	
<a href="#"><u>8</u></a>	Actinomycete Isolation Agar for microbiology	Analytical		500 g	
<a href="#"><u>9</u></a>	Agar	Analytical		5 kg	
<a href="#"><u>10</u></a>	Agar microbiology tested, plant cell culture tested, cell culture tested, powder	Analytical		500 g	
<a href="#"><u>11</u></a>	Agarose (Fine type for electrophoresis)	Analytical		2.5 kg	
<a href="#"><u>12</u></a>	Alcohol 100%	Analytical		2 Liter	
<a href="#"><u>13</u></a>	Ammonium acetate	Analytical		1 kg	
<a href="#"><u>14</u></a>	Ammonium chloride	Analytical		1 kg	
<a href="#"><u>15</u></a>	Ammonium dihydrogen phosphate for HPLC LiChropur®	Analytical		1 liter	
<a href="#"><u>16</u></a>	Ammonium heptamolybdate tetrahydrate	Analytical		1 kg	
<a href="#"><u>17</u></a>	Ammonium molybdate	Analytical		1 kg	
<a href="#"><u>18</u></a>	Ammonium monovandate	Analytical		1 kg	
<a href="#"><u>19</u></a>	Ammonium nitrate	Analytical		2 kg	
<a href="#"><u>20</u></a>	Ammonium Persulfate	Analytical		2.5 kg	
<a href="#"><u>21</u></a>	Ammonium solution 32%	Analytical		500 ml	
<a href="#"><u>22</u></a>	Ammonium thiocyanate	Analytical		500 g	
<a href="#"><u>23</u></a>	Anthrone	Analytical		500 g	
<a href="#"><u>24</u></a>	Ascorbic acid	Analytical		1 kg	
<a href="#"><u>25</u></a>	Beef extract	Analytical		1000 g	
<a href="#"><u>26</u></a>	Benzonitrile for HPLC, 99.9%	Analytical		1 liter	
<a href="#"><u>27</u></a>	Beta-mercapetoethnol	Analytical		500 ml	
<a href="#"><u>28</u></a>	BG11 Broth for microbiology, 100x concentrate, sterile filtered	Analytical		500 ml	
<a href="#"><u>29</u></a>	Bisacrylamide	Analytical		1 kg	
<a href="#"><u>30</u></a>	Boric acid	Analytical		1 kg	
<a href="#"><u>31</u></a>	Bovine serum albumin BSA	Analytical		100 g	
<a href="#"><u>32</u></a>	Bradford reagent	Analytical		500 ml	
<a href="#"><u>33</u></a>	Bromophenol blue	Analytical		100 g	
<a href="#"><u>34</u></a>	Buffer solution (pH4)	Analytical		500 ml	
<a href="#"><u>35</u></a>	Buffer solution (pH7)	Analytical		500 ml	
<a href="#"><u>36</u></a>	Buffer Solution (pH9)	Analytical		500 ml	
<a href="#"><u>37</u></a>	Calcium chloride	Analytical		2 kg	
<a href="#"><u>38</u></a>	Calcium oxide	Analytical		1 kg	
<a href="#"><u>39</u></a>	Calcium sulfate dehydrate	Analytical		2 kg	
<a href="#"><u>40</u></a>	Carbon disulfide for HPLC, ≥99.9%	Analytical		1 liter	
<a href="#"><u>41</u></a>	Casein	Analytical		500 g	
<a href="#"><u>42</u></a>	Chloroform	Analytical		4 litre	
<a href="#"><u>43</u></a>	Chloroform	Analytical		2.5 liter	
<a href="#"><u>44</u></a>	Comassie blue (G250)	Analytical		50 g	
<a href="#"><u>45</u></a>	CTAB	Analytical		1 kg	
<a href="#"><u>46</u></a>	Cupric sulphate	Analytical		1kg	
<a href="#"><u>47</u></a>	Cyclohexan for HPLC, ≥99.7%	Analytical		1 liter	
<a href="#"><u>48</u></a>	Diatomaceous earth	Analytical		3 kg	
<a href="#"><u>49</u></a>	Dichloromethane	Analytical		10 liter	
<a href="#"><u>50</u></a>	Diethyl ether	Analytical		2.5 liter	
<a href="#"><u>51</u></a>	Diethylene glycol diethyl ether for HPLC, ≥ 99%	Analytical		1 liter	
<a href="#"><u>52</u></a>	Diethylene triamine pentaacetic acid (DTPA)	Analytical		200 g	
<a href="#"><u>53</u></a>	Dinitrosalicylic acid (DNS)	Analytical		100 g	
<a href="#"><u>54</u></a>	Di-Potassium hydrogen phosphate anhydrous for HPLC	Analytical		1 liters	

	IlcHROPUR®				
<a href="#">55</a>	Di-potassium phosphate (K2HPO4)	Commercial		2500 g	
<a href="#">56</a>	Di-Sodium hydrogen phosphate	Commercial		1 kg	
<a href="#">57</a>	Di-Sodium hydrogen phosphate anhydrous for HPLC LiChropur®	Analytical		1 liters	
<a href="#">58</a>	DNA ladder	Analytical		3 pack	
<a href="#">59</a>	E-coli ChromoSelect Agar B for microbiology	Analytical		500 g	
<a href="#">60</a>	Erichrome black T	Commercial		500 g	
<a href="#">61</a>	Ethanol	Analytical		4 litre	
<a href="#">62</a>	Ethanol	Commercial		20 litre	
<a href="#">63</a>	Ethidium bromide	Analytical		250 g	
<a href="#">64</a>	Ethyl acetate for HPLC, ≥99.8%	Analytical		1 liter	
<a href="#">65</a>	Ethylenediamineterraacetic acid (EDTA)	Analytical		2500 g	
<a href="#">66</a>	Ethylenediamineterraacetic acid disodium-salt dehydrate EDTA-Na2	Analytical		100 g	
<a href="#">67</a>	Fast Blue BB salt	Analytical		10 g	
<a href="#">68</a>	FC Reagent (folin & Ciocalteu’s phenol reagent)	Analytical		500 ml	
<a href="#">69</a>	Ferous ammonium sulphate	Analytical		500 g	
<a href="#">70</a>	Formaline	Commercial		5 litre	
<a href="#">71</a>	Glacial acetic acid	Analytical		2 litre	
<a href="#">72</a>	Glacial acetic acid	Commercial		2 litre	
<a href="#">73</a>	Glucose	Commercial		5 kg	
<a href="#">74</a>	Glutamate	Analytical		500 g	
<a href="#">75</a>	Glycerine	Analytical		1000 ml	
<a href="#">76</a>	Glycerol	Analytical		1 l	
<a href="#">77</a>	Glycine	Commercial		1 kg	
<a href="#">78</a>	Guaiacol	Analytical		250 g	
<a href="#">79</a>	Guaiacol (2-methoxyphenol)	Analytical		100 g	
<a href="#">80</a>	Guanidine thiocyanate	Analytical		500 g	
<a href="#">81</a>	HCIO4	Analytical		20 g	
<a href="#">82</a>	Heptane for HPLC, ≥96%	Analytical		1 liter	
<a href="#">83</a>	Hexane for HPLC, ≥97.0% (GC)	Analytical		1 liter	
<a href="#">84</a>	Hydrochloric acid	Commercial		10 liters	
<a href="#">85</a>	Hydrochloric acid, 37%	Analytical		5 litre	
<a href="#">86</a>	Hydrogen peroxide (H2O2)	Analytical		1000 ml	
<a href="#">87</a>	Hydrogen peroxide 30%	Commercial		5 liters	
<a href="#">88</a>	Iodine	Analytical		1 kg	
<a href="#">89</a>	Isoamyl alcohol	Analytical		2 litre	
<a href="#">90</a>	Isopropanol	Analytical		10 litre	
<a href="#">91</a>	LB Medium	Analytical		5 kg	
<a href="#">92</a>	L-Methane	Analytical			
<a href="#">93</a>	L-Methionine	Analytical		10 g	
<a href="#">94</a>	L-proline solution	Analytical		5 ml	
<a href="#">95</a>	Methanesulfonic acid for HPLC, ≥99.5% (T)	Analytical		1 liter	
<a href="#">96</a>	Methanol	Commercial		5 liter	
<a href="#">97</a>	Methyl Orange	Commercial		200 ml	
<a href="#">98</a>	Methyl red	Analytical		1 pack	
<a href="#">99</a>	Monopotassim phosphate (KH2Po4)	Analytical		1 kg	
<a href="#">100</a>	MSM medium	Analytical		2 kg	
<a href="#">101</a>	Na2HPO4	Commercial		100 g	
<a href="#">102</a>	NaH2PO4	Commercial		500 g	
<a href="#">103</a>	NHClO4	Commercial		500 ml	
<a href="#">104</a>	Ninhydrin	Analytical		50	

<a href="#"><u>105</u></a>	Nitric acid 65%	Commercial		10 liters	
<a href="#"><u>106</u></a>	Nitromethane for HPLC, $\geq 96\%$	Analytical		1 liter	
<a href="#"><u>107</u></a>	Nitrotetrazolum blue chloride	Analytical		100 g	
<a href="#"><u>108</u></a>	Nonselective & Differential Media for Salmonella	Analytical		500 g	
<a href="#"><u>109</u></a>	Nonselective media for Escherichia coli & coliforms	Analytical		1 kg	
<a href="#"><u>110</u></a>	Nutrient Agar	Commercial		1 kg	
<a href="#"><u>111</u></a>	Nutrient Broth	Analytical		1 kg	
<a href="#"><u>112</u></a>	o-Dianisidine	Analytical		10 g	
<a href="#"><u>113</u></a>	Ortho-Phosphoric acid 85% for HPLC LiChropur®	Analytical		1 liters	
<a href="#"><u>114</u></a>	PCR Kit (Taq Polymerase, dNTPs, dd water)	Analytical		3	
<a href="#"><u>115</u></a>	Pentane for HPLC, $\geq 99.0\%$	Analytical		1 liter	
<a href="#"><u>116</u></a>	Peptone	Commercial		1000 g	
<a href="#"><u>117</u></a>	Phenol	Analytical		500 ml	
<a href="#"><u>118</u></a>	Phenol	Commercial		5 litre	
<a href="#"><u>119</u></a>	Phenolphthalein indicator	Commercial		250 ml	
<a href="#"><u>120</u></a>	pH-indicator solution	Commercial		500 ml	
<a href="#"><u>121</u></a>	Phosphoric acid (H <sub>3</sub> PO <sub>4</sub> )	Analytical		500 ml	
<a href="#"><u>122</u></a>	Phosphorus	Commercial		1 kg	
<a href="#"><u>123</u></a>	Polyvinylpolypyrrolidone (PVPP)	Analytical		100 g	
<a href="#"><u>124</u></a>	Polyvinylpyrrolidone PVP-40	Commercial		500 g	
<a href="#"><u>125</u></a>	Potassium chloride	Commercial		4 kg	
<a href="#"><u>126</u></a>	Potassium chloride	Analytical		1 kg	
<a href="#"><u>127</u></a>	Potassium chromate	Commercial		2 kg	
<a href="#"><u>128</u></a>	Potassium dichromate	Commercial		1 kg	
<a href="#"><u>129</u></a>	Potassium dihydrogen phosphate	Commercial		2 kg	
<a href="#"><u>130</u></a>	Potassium dihydrogen phosphate	Analytical		1000 g	
<a href="#"><u>131</u></a>	Potassium dihydrogen phosphate anhydrous for HPLC LiChro	Analytical		1 liters	
<a href="#"><u>132</u></a>	Potassium hydrogen phthalate	Commercial		1 kg	
<a href="#"><u>133</u></a>	Potassium hydro-oxide	Commercial		1 kg	
<a href="#"><u>134</u></a>	Potassium Iodide	Analytical		100 g	
<a href="#"><u>135</u></a>	Potassium iodide	Commercial		1 kg	
<a href="#"><u>136</u></a>	Potassium permanganate	Analyticals		10 g	
<a href="#"><u>137</u></a>	Potassium Permanganate	Commercial		1 kg	
<a href="#"><u>138</u></a>	Propylene carbonate for HPLC, 99.7%	Analytical		1 liter	
<a href="#"><u>139</u></a>	Protein Ladder	Analytical		2 pack	
<a href="#"><u>140</u></a>	Proteinase K	Analytical		1 pack	
<a href="#"><u>141</u></a>	p-Xylene for HPLC, $\geq 99\%$	Analytical		1 liters	
<a href="#"><u>142</u></a>	Resorcieneol	Analytical		10 g	
<a href="#"><u>143</u></a>	Riboflavin	Analytical		10 g	
<a href="#"><u>144</u></a>	Riboflavin	Analytical		25 g	
<a href="#"><u>145</u></a>	RNase	Analytical		1 g	
<a href="#"><u>146</u></a>	Sarcosyl	Analytical		500 g	
<a href="#"><u>147</u></a>	Silver nitrate	Commercial		2 kg	
<a href="#"><u>148</u></a>	Sodium acetate	Commercial		3 kg	
<a href="#"><u>149</u></a>	Sodium acetate triglydrate for HPLC LiChropur®	Analytical		2 liters	
<a href="#"><u>150</u></a>	Sodium bicarbonate	Commercial		1 kg	
<a href="#"><u>151</u></a>	Sodium carbonate	Commercial		500 g	
<a href="#"><u>152</u></a>	Sodium carboxyl methyl starch	Commercial		5 kg	
<a href="#"><u>153</u></a>	Sodium chloride (NaCl)	Analytical		7 kg	
<a href="#"><u>154</u></a>	Sodium citrate	Commercial		1 kg	
<a href="#"><u>155</u></a>	Sodium citrate dehydrate	Analytical		1000 g	
<a href="#"><u>156</u></a>	Sodium dihydrogen phosphate	Commercial			
<a href="#"><u>157</u></a>	Sodium dihydrogen phosphate	Analytical		1 liter	

	anhydrous for HPLC LiChropur®				
<a href="#"><u>158</u></a>	Sodium dodecyl sulfate (SDS)	Analytical		1.5 kg	
<a href="#"><u>159</u></a>	Sodium hydroxide (NaOH)	Commercial		7 kg	
<a href="#"><u>160</u></a>	Starch	Commercial		205 g	
<a href="#"><u>161</u></a>	Sulfuric acid 96%	Commercial		10 liter	
<a href="#"><u>162</u></a>	Sulphosalicylic acid	Analytical		100 g	
<a href="#"><u>163</u></a>	TBX Agar for microbiology	Analytical			
<a href="#"><u>164</u></a>	TEMED	Analytical		500 ml	
<a href="#"><u>165</u></a>	Tert-Butanol for HPLC, ≥99.5%	Analytical		1 liter	
<a href="#"><u>166</u></a>	Thiobarbituric acid (TBA)	Analytical		500 g	
<a href="#"><u>167</u></a>	Toluene for HPLC, 99.9%	Analytical		2 liter	
<a href="#"><u>168</u></a>	Trichloroacetic acid (TCA)	Analytical		1 kg	
<a href="#"><u>169</u></a>	Triethylammonium acetate buffer for HPLC, 0.98-1.02 M	Analytical		1 liters	
<a href="#"><u>170</u></a>	Tris-base	Analytical		1 kg	
<a href="#"><u>171</u></a>	Tris-equilabrated Phenol	Analytical		500 ml	
<a href="#"><u>172</u></a>	Tris-HCL	Analytical		1 kg	
<a href="#"><u>173</u></a>	TRITON® X-100	Analytical		2.5 liter	
<a href="#"><u>174</u></a>	Tryptone	Analytical		3 kg	
<a href="#"><u>175</u></a>	Urea	Analytical		500 g	
<a href="#"><u>176</u></a>	Water for HPLC	Analytical		1 liter	
<a href="#"><u>177</u></a>	Xylencyanol	Analytical		10 g	
<a href="#"><u>178</u></a>	Xylene Cynol	Analytical		1 pack	
<a href="#"><u>179</u></a>	Xylene orange dye	Analytical			
<a href="#"><u>180</u></a>	Yeast extract	Commercial		5kg	
<a href="#"><u>181</u></a>	Zinc sulphate	Commercial		1 kg	
<a href="#"><u>182</u></a>	a-naphthyl actate	Analytical		5 g	

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc. (Percentage	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Burette Clamp	Holds 2 burettes, cast Alumium	MFR#: CLBURDD	24	1800
<a href="#"><u>2</u></a>	Wire Gauze	6x6 IN Iron	MFR #: WGCC66	24	150
<a href="#"><u>3</u></a>	Tripod stand Steel	Storage size width 4 inch height 2 inch	MFR #: T – 55	10	490
<a href="#"><u>4</u></a>	Conical Flask	Ground mouth 500 ml	MFR#: 5YHR6	24	480
<a href="#"><u>5</u></a>	Spatula	Putty Knife stiff 2 inch carbon steel	MFR#: 02300	24	350
<a href="#"><u>6</u></a>	Measuring cylinder	25 ml, 50ml	MFR#: P50502	24	170
<a href="#"><u>7</u></a>	Funnel	Polyethylene capacity ¾ to 10 oz	MFR#:32837	12	130
<a href="#"><u>8</u></a>	Sucker	Solder sucker 12.5 Inch	MFR#: 17538	6	170
<a href="#"><u>9</u></a>	Gas Burner	Natural gas general purpose	Z 270288	6	800
<a href="#"><u>10</u></a>	Capillary tube	1-5 Micro liter pack	Z 114952	6 pack	140
<a href="#"><u>11</u></a>	China dish	Material ceramic size 9 OZ	MFR#: AL96	12	300
<a href="#"><u>12</u></a>	Scissor	7 – 3/4 IN-L	MFR#: 1110	6	190
<a href="#"><u>13</u></a>	Platinum wire	Width 36 inch	MFR#: 29TM80	25FT	3200
<a href="#"><u>14</u></a>	Copper wire	Bare copper solid	MFR#: 10638525	25FT	2000
<a href="#"><u>15</u></a>	Rubber cock	L 50mm	Z165344	6	700
<a href="#"><u>16</u></a>	Test tube holders	With 5 inch	MFR#: SR-B	20	1800
<a href="#"><u>17</u></a>	Hydrogen sulphide production apparatus	1000 ml capacity	6550029	1	10000

#### Appendix 2: List of Chemicals

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc. (Percentage	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Phenyl Hydrazine (C <sub>6</sub> H <sub>5</sub> NHNH <sub>2</sub> )	97%	100-63-0	500 G	11364 PKR
<a href="#"><u>2</u></a>	Suplhuric acid (H <sub>2</sub> SO <sub>4</sub> )	95-98%	7664-93-9	1 L	12478 PKR
<a href="#"><u>3</u></a>	Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	> 99.8%	64-17-5	1 L	21996 PKR
<a href="#"><u>4</u></a>	Acetylc Chloride (CH <sub>3</sub> COCl)	> 98%	75-36-5	500 G	10081 PKR
<a href="#"><u>5</u></a>	Aluminum Chloride (AlCl <sub>3</sub> )	> 98%	7446-70-0	1 KG	6133 PKR
<a href="#"><u>6</u></a>	Zinc Nitrate Hexahydrate Zn (NO <sub>3</sub> ) <sub>2</sub> .6H <sub>2</sub> O	> 98%	10196-18-6	500 G	7400 PKR
<a href="#"><u>7</u></a>	Uranyl Acetate (C <sub>4</sub> H <sub>6</sub> O <sub>6</sub> U.2H <sub>2</sub> O)	> 98%	6159-44-0	25 G	16000 PKR
<a href="#"><u>8</u></a>	Potassium Permagnate (KMnO <sub>4</sub> )	> 99%	7722-64-7	500 G	8400 PKR
<a href="#"><u>9</u></a>	Ammonium Sulphate (NH <sub>4</sub> )	> 99%	7783-20-2	500 G	13400 PKR

	2SO4				
<a href="#"><u>10</u></a>	Mereuric Chloride (HgCl2)	99%	7487-94-7	500 G	24700 PKR
<a href="#"><u>11</u></a>	Sodium Nitrate (NaNO3)	> 99%	7631-99-4	500 G	12800 PKR
<a href="#"><u>12</u></a>	Potassium Iodide (KI)	> 99%	7681-11-11-0	500 G	17300 PKR
<a href="#"><u>13</u></a>	Antimony Chloride (SBCl3)	.99.95%	10025-91-9	10 G	21600 PKR
<a href="#"><u>14</u></a>	Silver Nitrate (AgNO3)	> 99%	7761-88-8	25 G	34200 PKR
<a href="#"><u>15</u></a>	Sodium Bromide (NaBr)	> 99%	7647-15-6	500 G	9800 PKR
<a href="#"><u>16</u></a>	Lead Acetate Pb(CH3CO2)4	> 95%	546-67-8	500 G	22400 PKR
<a href="#"><u>17</u></a>	Copper Sulfate (CuSO4)	> 95%	7758-98-7	500 G	11800 PKR
<a href="#"><u>18</u></a>	Arsenic (AS)	99.9%	7440-38-2	10 G	29000 PKR
<a href="#"><u>19</u></a>	Antimony (Sb)	> 99.5%	7440-36-0	250 G	8800 PKR
<a href="#"><u>20</u></a>	Cadmium (Cd)	> 99%	7440-43-9	100 G x 2	10800 PKR
<a href="#"><u>21</u></a>	Ferrous Sulphate (FeSO4.7H2O)	> 99%	7782-63-0	1 KG	7900 PKR
<a href="#"><u>22</u></a>	Dimethyl Glyoxime	> 97%	95-45-4	500 G	27300 PKR
<a href="#"><u>23</u></a>	Amyl Alcohol CH3 (CH2)4OH	> 99%	71-41-0	1 Kg	6500 PKR
<a href="#"><u>24</u></a>	Ammonium thiocyanate (NH4SCN)	> 97.5%	1762-95-4	500 G	6500 PKR
<a href="#"><u>25</u></a>	Sodium metal (Na)	> 85%	7440-23-5	100 G	15700 PKR
<a href="#"><u>26</u></a>	Ammonium Carbonate (NH4)2co3	> 30% NH3 basis	506-87-6	500 G	8000 PKR
<a href="#"><u>27</u></a>	Ferric chloride (FeCl3)	> 97%	7705-08-0	1 KG	7000 PKR
<a href="#"><u>28</u></a>	Picric acid	> 98%	88-89-1	500 G	20000 PKR

Sr. No	Name of Chemical/Glassware/ Plasticware	Analytical/ Commercial etc. (Percentage	Cat. No.	Estimated Quantity to be procured in F/Y 2018-19	Estimated Amount
<a href="#"><u>1</u></a>	Out Door Unit (1.5 ton)			4 No.	1,33,000/-
<a href="#"><u>2</u></a>	Cooling Coils (Copper) 5’’/8,			4 No.	33,516/-
<a href="#"><u>3</u></a>	Gass R-22 Genitron (Germany) Net 13.5 Kg			1 Cylinder	17,550/-
<a href="#"><u>4</u></a>	Rotary compressor (1.5 Ton)			2 No.	34048/-
<a href="#"><u>5</u></a>	Capacitor 50uf			6 No.	3,591/-
<a href="#"><u>6</u></a>	Thermostat			6 No.	1,800/-
<a href="#"><u>7</u></a>	Motor for Fan’s Unit			3 No.	7,182/-
<a href="#"><u>8</u></a>	Water Taps (Faisal)			6 No.	5,187/-
<a href="#"><u>9</u></a>	Welding Rod (Copper)			30 No.	998/-
<a href="#"><u>10</u></a>	Electric Breaker 20 AMP			6 No.	1,995/-
<a href="#"><u>11</u></a>	Electric Wire (76-110)			30 Meters	2,795/-
<a href="#"><u>12</u></a>	Floating Valve ½’’ x3/4’’			6 No.	2,234/-
<a href="#"><u>13</u></a>	Pipe for waste Water (Schedule 4-T/1*1/2)			18 Feet	1,365/-
<a href="#"><u>14</u></a>	Plastic Strips 10-A			6 Packets	600/-
<a href="#"><u>15</u></a>	Rotary Wire			6 No.	1,197/-

**LIST OF EXPENDABLE SUPPLIES**

Sr. No	Items	Catalog #	Packing
<a href="#"><u>1</u></a>	Top vision LEGQ agarose	R0491	1x100g
<a href="#"><u>2</u></a>	RiboRular RNA Ladder	SM1823	5x40 uL
<a href="#"><u>3</u></a>	2X RNA loading dye solutuion	R0641	1 mL
<a href="#"><u>4</u></a>	RevertAid First Strand cDNA synthesis kit	K1621	1x100 reac
<a href="#"><u>5</u></a>	2 mM dNTPmix	R0242	5x1 mL
<a href="#"><u>6</u></a>	TBE buffer	B52	1x1 L
<a href="#"><u>7</u></a>	Rapid DNA Ligation & Transformation Kit	K1432	30 react
<a href="#"><u>8</u></a>	RiboLock™ RNase Inhibitor	EO0382	4x2500 U
<a href="#"><u>9</u></a>	RNase A/T1 Mix	EN0551	1x1ml
<a href="#"><u>10</u></a>	GeneJET™ Plasmid Miniprep Kit	K0503	1x250 prep



<a href="#"><u>11</u></a>	GeneJET™ Gel Extraction Kit	K0692	1x250 prep
<a href="#"><u>12</u></a>	PageSilver™ Silver Staining Kit	K0681	1x25 app
<a href="#"><u>13</u></a>	IPTG Solution	R1171	10x1.5mL
<a href="#"><u>14</u></a>	X-Gal Solution	R0941	1x10 mL
<a href="#"><u>15</u></a>	Alkaline Phosphatase	EF0511	1x500 U
<a href="#"><u>16</u></a>	Klenow Fragment	EP0051	1x300 U
<a href="#"><u>17</u></a>	Taq DNA Polymerase	EP0402	5x500 U
<a href="#"><u>18</u></a>	CloneJet PCR cloning kit	K1232	1x40 react
<a href="#"><u>19</u></a>	Bacterial Transformation kit	K2711	40 transfor
<a href="#"><u>20</u></a>	PageRuler™ Prestained Protein Ladder	SM0671	2x250 uL
<a href="#"><u>21</u></a>	RNeasy plant minikit		50 prep
<a href="#"><u>22</u></a>	pET expression system with competent cells		
<a href="#"><u>23</u></a>	Primers		per base
<a href="#"><u>24</u></a>	DNA sequencing		per run
<a href="#"><u>25</u></a>	Sodium acetate	T-6066	1 kg
<a href="#"><u>26</u></a>	Glacial acetic acid	S-150501	2.5 L
<a href="#"><u>27</u></a>	NaH <sub>2</sub> PO <sub>4</sub>	S-281100	1 kg
<a href="#"><u>28</u></a>	Na <sub>2</sub> HPO <sub>4</sub>	2402394	1 kg
<a href="#"><u>29</u></a>	EDTA	E-5134	250 g
<a href="#"><u>30</u></a>	NaOH pellets	1.06462	1 kg
<a href="#"><u>31</u></a>	KCl	A 1364	1 kg
<a href="#"><u>32</u></a>	Polyvinylpyrrolidone	PVP10-100G	100 g
<a href="#"><u>33</u></a>	Isopropanol	I-9516	500 mL
<a href="#"><u>34</u></a>	Ethanol molecular biology grade	K26225745	1 L
<a href="#"><u>35</u></a>	Bradford reagent	B-6916	500 mL
<a href="#"><u>36</u></a>	Streptomycine sulfate	S-9137	25 g
<a href="#"><u>37</u></a>	Chloramphenicol	190321	5 g
<a href="#"><u>38</u></a>	Antimicrobial discs		pkt
<a href="#"><u>39</u></a>	Nutrient agar	CM0003	500 g
<a href="#"><u>40</u></a>	Sabroud liquid medium	CM0147	500 g
<a href="#"><u>41</u></a>	Potato dextrose agar	CM0139	500 g
<a href="#"><u>42</u></a>	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	A 4418	1 kg
<a href="#"><u>43</u></a>	Sodium sulfide	350328-31	500 g
<a href="#"><u>44</u></a>	H <sub>2</sub> SO <sub>4</sub>		2.5 L
<a href="#"><u>45</u></a>	Acrylamide	A-3553	100 g
<a href="#"><u>46</u></a>	N,N,-bis-methylene-acrylamide	M-2022	100 g
<a href="#"><u>47</u></a>	Conc. HCL		2.5 L
<a href="#"><u>48</u></a>	Tris base	T-6066	1 kg
<a href="#"><u>49</u></a>	Ammonium persulfate	A-9164	100 g
<a href="#"><u>50</u></a>	TEMED	T- 7024	100 mL
<a href="#"><u>51</u></a>	Sodium dodecyl sulfate	102918	1 kg
<a href="#"><u>52</u></a>	Sample buffer, Laemmli Electrophoresis reagent	S-3401	1 vial
<a href="#"><u>53</u></a>	Methanol (HPLC grade)	M/4056/17	2.5 L
<a href="#"><u>54</u></a>	Glycine	DR0235	2.5 kg
<a href="#"><u>55</u></a>	Glycerol		1 L
<a href="#"><u>56</u></a>	2-mercaptoethanol	63700	250 mL
<a href="#"><u>57</u></a>	Brilliant Blue R		100 g
<a href="#"><u>58</u></a>	water RNase free	D0121	500 mL
<a href="#"><u>59</u></a>	Formamide	151160	100 mL
<a href="#"><u>60</u></a>	Restriction enzymes (various)		1 vial
<a href="#"><u>61</u></a>	Ampicillin		5 g
<a href="#"><u>62</u></a>	Pestal mortar		
<a href="#"><u>63</u></a>	Liquid nitrogen		1 L
<a href="#"><u>64</u></a>	Eppendorf tubes RNase/DNase free 1.5 mL	3445	1x1000
<a href="#"><u>65</u></a>	Gloves disposable latex		1 pkt
<a href="#"><u>66</u></a>	Tips, blue DNase/RNase free	2160	1x1000
<a href="#"><u>67</u></a>	Tips, yellow DNase/RNase free	2100.C	1x1000
<a href="#"><u>68</u></a>	Tips, white DNase/RNase free	2040	1x1000
<a href="#"><u>69</u></a>	Plastic (Saran) wrap		1 pkt
<a href="#"><u>70</u></a>	Aluninium foil		1 roll
<a href="#"><u>71</u></a>	Beakers pyrex 100 mL		1 pc

<a href="#"><u>72</u></a>	Beakers pyrex 250 mL		1 pc
<a href="#"><u>73</u></a>	Beakers pyrex 500 mL		1 pc
<a href="#"><u>74</u></a>	Beakers pyrex 1000 mL		1 pc
<a href="#"><u>75</u></a>	Flasks volumetric pyrex 25 mL		1 pc
<a href="#"><u>76</u></a>	Flasks volumetric pyrex 50 mL		1 pc
<a href="#"><u>77</u></a>	Flasks volumetric pyrex 100 mL		1 pc
<a href="#"><u>78</u></a>	Flasks volumetric pyrex 250 mL		1 pc
<a href="#"><u>79</u></a>	Flasks volumetric pyrex 500 mL		1 pc
<a href="#"><u>80</u></a>	Flasks volumetric pyrex 1000 mL		1 pc
<a href="#"><u>81</u></a>	Flasks Erlenmeyer pyrex 250 mL		1 pc
<a href="#"><u>82</u></a>	Flasks Erlenmeyer pyrex 500 mL		1 pc
<a href="#"><u>83</u></a>	Flasks Erlenmeyer pyrex 1000 mL		1 pc
<a href="#"><u>84</u></a>	Storage bottles 50 mL autoclavable		1 pc
<a href="#"><u>85</u></a>	Storage bottles 100 mL autoclavable		1 pc
<a href="#"><u>86</u></a>	Storage bottles 250 mL autoclavable		1 pc
<a href="#"><u>87</u></a>	Storage bottles 500 mL autoclavable		1 pc
<a href="#"><u>88</u></a>	Storage bottles 1 L autoclavable		1 pc
<a href="#"><u>89</u></a>	Storage bottles 2 L autoclavable		1 pc
<a href="#"><u>90</u></a>	Petri plates disposable		1 pair
<a href="#"><u>91</u></a>	Perti plates (glass, large)		1 pair
<a href="#"><u>92</u></a>	Forceps		1 pc
<a href="#"><u>93</u></a>	Spatula		1 pc
<a href="#"><u>94</u></a>	Parafilm		1 roll
<a href="#"><u>95</u></a>	Beckman Paper wicks		1 pkt
<a href="#"><u>96</u></a>	Labelling tapes		1 pkt
<a href="#"><u>97</u></a>	Weighing boats		50 pcs
<a href="#"><u>98</u></a>	Labeling permanent marker		1 pc
<a href="#"><u>99</u></a>	Filter paper round Whatmann		1 pkt

**Note: Following Brands are required for contract.**

Sigma – Aldrich, Fluka, Merck, RdH, Biorod, Fermentas – Thermo  
Scintific, Applichem, BioBasic, Qiagen, ChemLab, Rci – Lab Scan  
Glenthams, Life Sciences, Bio Life, Duksan, Penta OR Equivalent



Section VIII.

**Sample Forms**

**Sample Forms**

1.	Bid Form and Price Schedules .....	123,124
2.	Manufacturer’s/Distrbutor's/Dealer's Certificate Form	125

1. Bid Form and Price Schedules

To:

Date: \_\_\_\_\_

Tender No. \_\_\_\_\_

Prof. Dr. Zahir Ahmad Zahir,  
Institute of Soil & Environmental Sciences,  
University of Agriculture,  
Faisalabad.

Gentlemen and/or Ladies:

Having examined the bidding documents including Tender No.95/2019, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]*in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]*or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid. We understand that failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at our risk and may result in the rejection of its bid.

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 and to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. Failure to which, the Purchaser reserve the right to take action as per provisions of the bidding documents.

We agree to abide by this Bid for the Bid Validity Period specified in Clause 16.1 of the Bid Data Sheet and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state “none”)		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof 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.

We certify/confirm that we comply with all requirements as per ITB Clause 2 of the bidding documents.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_

\_\_\_\_\_

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

### Price Schedule for Goods Offered from within the Purchaser's Country

Name of Bidder \_\_\_\_\_.Tender Number \_\_\_\_\_.Page \_ of \_\_\_\_.

1	2	3	4	5
Item	Description	Country of origin	Quantity	Price including all Taxes

Signature of Bidder \_\_\_\_\_

*Note:* In case of discrepancy between unit price and total, the unit price shall prevail.

**Manufacturer’s/Distributor’s/Dealer’s Certificate Form**

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer/Distributor/Dealer]* who are established and reputable Manufacturer/Distributor/Dealer of *[name and/or description of the goods]* having factories/Warehouse/trading house at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against Tender No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

\_\_\_\_\_  
*[signature for and on behalf of Manufacturer]*

*Note:* This letter of authority should be on the letterhead of the Manufacturer/Distributor/Dealer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.