

# Guru Ghasidas Vishwavidyalaya

(A central University)  
Koni, Bilaspur, 495009 (C.G.) India

Website: [www.ggu.ac.in](http://www.ggu.ac.in) Phone: 07752-, 260381, 9433378801 FAX: 07752-260154, 260148



Tender Ref. No.: 87/EOI/Che-GW-PW/Various Dept./STORE/GGV/2023, DATE: 15/03/2023

## **EoI Tender Notice** **(Chemicals, Glassware, Plasticware)**

Guru Ghasidas Vishwavidyalaya, Bilaspur (A Central University), invites “Expression of Interest (EOI)” from the reputed manufacturers/authorized distributors/dealers (under two bid- three pkt system) for the supply of chemicals, glassware, plastic/ lab wares through e-tender. Details & formats regarding the EOI can be obtained from the websites:- <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in) Interested bidders may upload the tender on the website [www.eprocure.gov.in](http://www.eprocure.gov.in). Also the Sealed envelope containing Tender cost Rs 1500/- (non-refundable) in form of DD and EMD Rs 50,000/- in form of DD/FDR/TDR, in original along with the Printed price List of the principal (hard copy & soft copy) should be sent to the Joint Registrar (Store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur (C.G.), 495009 through registered/speed post/courier service only, on or before **21/03/2023 upto 3.00 PM.** The University reserves all the rights to accept/reject any or all offers without assigning any reason thereof in favour of the university.

**Registrar (Acting)**

## Eoi Cum E-Tender

### EXPRESSION OF INTEREST CUMM E-TENDER FOR SUPPLY Of CHEMICALS, GLASSWARES & LABWARES

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) invites Expression of Interest from reputed manufacturers/authorized distributors or dealers (who have the current authorization from the principal company) for the supply of Chemicals, Glassware and Plastic-ware/Lab-wares. The prospective bidder must quote price rate (including GST) in hard copy and **SOFT-COPY (in pen drive in both excel and word file)** in the prescribed format as annexure II (**to be submitted Offline only**). The bidders are required to submit the technical bid as detailed in the open-Tender Document. Incomplete or conditional tender will be summarily rejected.

Please send your sealed bid only by Registered/Speed Post/Courier service to the following address.

**Joint Registrar (Store)**  
**Guru Ghasidas Vishwavidyalaya, Koni,**  
**Bilaspur (C.G.)- 495009**

### **SALIENT DATES**

- |  |                         |
|--|-------------------------|
| 1. Last Date of submission (Hard copy/Soft copy)<br>Bid Fee Rs 1,500/-(Original), EMD Rs 50,000/-(Original)<br>Printed Copy of Latest Price List of Principal manufacturer | 21/03/2023 upto 3.00 PM |
| 2. Opening of Technical Bid  | 21/03/2023 upto 3.30 PM |
| 3. Financial Bid   | 21/03/2023 upto 5.00 PM |

\*Any Changes of the date for the opening of financial bids if required will be notified through <https://eprocure.gov.in/epublish/app> and university web-portal ggu.ac.in. Bidders are advised to visit the above sites for updated information on regular basis.

## **1. Mode of Payment of Tender Cost and EMD:**

Tender cost and EMD must be submitted in original before the scheduled last date through speed post/registered post/courier service to the Store Section, Admin building, Guru Ghasidas Vishwavidyalaya, Bilaspur 495009 (C.G).

### **1.1 Tender Cost**

Tender cost of Rs 1500 (non-refundable) should be in the form of DD in favour of “Registrar, Guru Ghasidas Vishwavidyalaya”, payable at Bilaspur (C.G), from any nationalized bank.

### **Earnest money deposit (EMD)**

An EMD of Rs. 50,000 (refundable as per terms & condition of the EoI) should be in the form of DD/FDR/TDR in favour of “Registrar, Guru Ghasidas Vishwavidyalaya”, payable at Bilaspur (C.G), from any nationalized bank.

The following shall be noted related to EMD:

- The EMD (without any interest) for all those bidders who are found not eligible shall be returned back to the bidder through registered post/speed post/Courier Service.
- The EMD without any interest shall be refunded /returned to remaining bidders only after signing of agreement / MoU with the successful bidder.
- No exemption from depositing the EMD shall be allowed to any participating bidder. However, GoI norms/standards will be applicable.
- Validity of EMD shall be six (6) months from the last due date of submission of E-Tender / EoI.
- The earnest money deposit (EMD) shall not carry any interest.
- EMD shall be forfeited in the following cases:
  - If any information or document furnished by the bidder turns out to be misleading or untrue in any material respect; and if the successful bidder fails to execute the contract/ agreement within the stipulated time or any extension thereof provided by GGV.

## **2. Essential Eligibility Criteria for the bidder:**

The bidder should fulfill the following Eligibility criteria for participating in this EoI regarding the eligibility criteria, the bidder has to submit the filled in format as per annexure I annexure I-A to I- G and annexure III)

- 2.1 The bidding firm should have minimum 03 years of experience in dealing with all the laboratory related items as mentioned in this EoI. Also the firm should have no adverse complaint or blacklisted by any government/semi-govt./govt. financed dept./ PSU/corporation as buyer or (Annexure I-A)
- 2.2 Audited balance sheet of last 03 financial years with a minimum average turnover of Rupees 20 Lakhs per annum, along with gross profit Statement without any loss. (Annexure "I-B" must be filled along with CA certified Audited balance sheet for last three FY).
- 2.3 Should possess statutory requirement such as PAN, TAN, GST, Shop- Establishment Registration, Labour license etc. (as applicable), for their existing businesses setup. (Annexure I-C)
- 2.4 If the bidder is not a manufacturer/Principal company, then the bidder must have a valid authorization certificate (valid at least for a period of I year from the date of last submission date of this EoI) issued from the principal company for the supply of items mentioned in the EoI/tender in favor of GGV. (Annexure I-D must be filled in)
- 2.5 The bidder must declare the name of the Principal manufacturer (the product of which are to be supplied) and assign as Company-1 to Company-5 separately for i) Chemicals, ii) Glass-wares, iii) Plastic Wares/Lab Wares in the table as per Annexure I-E.
- 2.6 The declaration, duly signed and sealed by the authorized signatory of the firm/agency, should be enclosed with the EOI document. This certificate must be submitted only on non-judicial stamp paper of Rs.100/-.(Annexure III)

<b>Eligibility Criteria for Bidders Clause 2.0</b>						
Clauseno. 2.0	Annexure	CRITERIA SATISFIED BY THE BIDDER YES/NO	DOCUMENT / CERTIFICATE ATTACHED IN SUPPORT YES/NO	GIVE THE RELEVANT PAGE NO IN THE BID DOCUMENT SUBMITTED BY THE BIDDER		Remarks
				From	To	
2.1	I-A					
2.2	I-B					
2.3	I-C					
2.4	I-D					
2.5	I-E					
2.6	III					

### **3. DISQUALIFICATION:**

The EOI/bid may be cancelled/partially accepted/rejected/not evaluated if any of the following is observed by the technical committee of GGV.

1. If any of the eligibility criteria (as per clause-2) is not fulfilled by the bidder
2. **If the hard copies of the desired documents, Technical bids and Financial Bids including Tender cost (original), EMD (original), Printed Hard copy & Soft copy (in CD)** of the latest price list issued by the principal company are not received to the store section of the university, within the stipulated time through speed/registered post or courier service only.
3. If the bidder has not declared/mentioned (limited to 5 manufacturing companies only) the name of the principal company and assigned them as Company-1 to Company-5, separately for each item viz Chemicals, Glassware and Plastic/lab-ware for which the bidding firm is submitting the offer under this EoI. The same sequence must reflect in the financial bids (hard copy and soft copy) (annexure-II) i.e financial bid.
4. If the bid is conditional or incomplete
5. If the desired relevant documents [DD of Tender Cost, DD/FDR/TDR of EMD, Price List of the Principal Company (Hard & Soft Copy) etc and other certified documents in support of the information furnished in this EoI].
6. If the tender/EoI document is altered or tampered in any manner
7. If duly signed copy of the desired Annexures I, I-A to I-G, undertaking (Annexure III), checklist and relevant certificates are not attached with the on-line technical bid.

8. If at any stage during and after evaluation of the technical bid and even after agreement and award of the work the bid/agreement of any such bidder will be rejected/not evaluated/cancelled, it is found that the information/documents furnished by the bidder is false/untrue/fabricated/tampered etc.
9. If the bidding firm has been blacklisted/debarred by any government/semi-government/PSU organizations or any legal proceedings regarding malpractice is ongoing against the bidding firm or the firm was found guilty for such malpractices earlier.
10. If the bidder attempts to influence any member of the committee of GGV during and after the tendering process.
11. If the bidder claims any other charges for the supply over and above the printed rate in the price list, except the prevailing taxes imposed by the Government.

#### **4. RIGHTS OF THE UNIVERSITY:**

The University reserves (without assigning any reason, whatsoever) the right to:

- Accept or reject any or all bids for this EoI at any stage.
- Amend the selection process at any stage, if situation so warrants.
- Interpret any clause, modify/alter and amend the provisions of this EoI or any other document issued at any stage of selection.
- Amend the scope of work.
- Debar the bidder, if during the process of selection or later at any stage, it is found or discovered that bidder has/ had provided incorrect/misleading information or material mis-representation or concealment of information sought by the GGV.
- Close the process/cancel the invitation/ tender notice at any stage.

#### **5. Downloading of the EoI cum E-Tender:**

The bid document consisting of scope of work and the set of terms and conditions of the contract to be complied with and other necessary documents may be seen and downloaded from websites <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)

#### **6. Submission of the Bids:**

##### **Part-A**

**6.1 TECHNICAL BID:** Following duly signed documents are to be submitted by the bidder:

- a. All relevant certificates, undertakings, documentary evidence in support of the information furnished by the bidder.
- b. Signed and scanned copies of Tender Cost and EMD.

- c. Hard copy of latest price list issued from the principle company.
- d. Signed copy of the tender/EoI document without any alteration.

**6.1.2 Offline (hard and soft copy) Bid Submission**

- a. The bid document consisting of scope of work and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from websites <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)
- b. Bidder must be registered on the <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)
- c. The interested tenderer(s) must read the terms and conditions of this EOI carefully. Firm should only submit the bid if eligible, and should possess all the documents required.
- d. The intending tenderer(s) must have valid signature to submit the bid.
- e. Bidder should upload documents in the format available on the <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)
- f. Bidder must send the Tender documents, the scanned copy of demand draft for Bid Cost (Non-refundable) and demand draft of Earnest Money Deposit (EMD) via speed post/Registered post/courier etc. within the period of bid submission.
- g. Bidders must via speed post/Registered post/courier etc. within the period of bid submission their tender on the e-Tendering website <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in) The scanned copy of the bid documents Technical and Financial Bids (Both Hard copy and soft copy in Pen drive) separately in prescribed format as in Annexure II) as per format available on the website <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)) within the period of bid submission.
- h. The Technical bid file must contain the duly signed EOI, certified copies of documents related to Eligibility Criteria, all relevant information and documents of turnover, net profit (after tax), experience,

ongoing work, documents relevant for evaluating the bidder technically, Corrigendum / Addendum / Other documents, if any, etc. as per the attached annexure (except annexure –H). Only those technical bids whose Bid cost and EMD are found valid will be opened.

- i. The bidders are required to send page of (Audited) summarized Balance Sheet /summarized Profit & Loss Account for last 03 years.
- j. Bidder must ensure to quote rate in the Financial Bid as per Annexure-II. The rate shall be quoted up to 2 Decimals (Please provide soft (Pen drive) and hard copy)
- k. If any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as “0” (ZERO).
- l. Information and Instructions for tenderers uploaded on websites shall form part of bid document.
- m. The bidders are advised to submit complete details with their bids. The Technical Bid Evaluation will be done on the basis of documents submitted by the bidders with the bids. The information should be submitted in the prescribed performa. Bids with Incomplete/Ambiguous information will be rejected.
- n. Technical bid documents submitted by intending tenderers shall be opened only of those tenderers, whose Earnest Money Deposit, Cost of Bid Document and other documents placed in the envelope are found in order. GGV reserves all the rights to reject the bid, if three envelopes do contain relevant information with regard to the content of the envelope.
- o. Before the scheduled last date and time of submission of bid as notified, the tenderer can submit their revised bid any number of times indicating the relevant details on the concerned envelope.
- p. On opening date and time, the bidder may login to see the bid opening process.
- q. The tenderer may submit their queries (if any), through E-mail (storesectionggv2021@ggu.ac.in) and in writing to the Registrar, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, 495009 (C.G.) to seek clarifications regarding the tender submission etc. GGV will reply only those



queries which are essentially required for submission of bids. GGV will not reply the queries which can be implied /found in the EOI cum tender documents or which are not relevant or in contravention to EOI cum tender documents.

**6.1.3 Hard copy to be submitted in a sealed envelope to the**

**“Joint Registrar(Store), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur (C.G.), 495009:**

- a. Certified copies (minimum 2 nos) of the valid price list of the materials to be supplied.
- b. Original copies of Tender Cost and EMD.

**6.2. Financial bid:**

Financial bid must be sent via speed post/Registered post/courier etc. within the period of bid submission their tender. The Financial Bids (Both Hard copy and soft copy in Pen drive) in prescribed format as in Annexure II) as per format available on the website <https://eprocure.gov.in/epublish/app> or [www.ggu.ac.in](http://www.ggu.ac.in)) within the period of bid submission. The university shall place the purchase order to the successful bidder as per requirement on the rate quoted in the price list with acceptable discount only. No additional charges for packing, forwarding, loading, unloading, transit insurance etc. except the government taxes shall be payable to the vendor.

**Note:***(The bidder has to declare the name of the Principal manufacturer (the product of which are to be supplied) for i) Chemicals, ii) Glass-wares, iii) Plastic Wares/Lab Wares in the table as per Annexure-II. The price should be including GST if any.*

**7. Opening and Evaluation of the Bid:**

The bids shall be opened on-line for only those bidders who successfully submit the desired tender cost, EMD/relevant document in original and latest price list issued by the principal company, in hard & soft copy in a sealed envelope on or before the scheduled last date & time to the store section of the University.

The bid is invited under two stages (three packets system), accordingly the stage wise bids shall be opened offline. On scheduled date the Technical bids shall be Opened and further evaluated as per the eligibility criteria (clause-2) etc. as per the condition of this EoI. The financially bids of technically qualified bidders will be opened on the prescribed date and time.

## General Terms and Conditions for EoI:

- 1. The bidders are requested to quote price (Financial bid) of chemicals of the following manufacture, (i) Sigma-Aldrich, (ii) Merck, (iii) Hi-Media, (iv) Sd-fine, (v) TCI-Japan, (vi) Thermo Fischer only including GST.**
- 2. The bidders are requested to quote price of glassware/plasticwares of Borosil/Thermo Fischer/Omsons Germany/Merck manufacturers only including GST.**
- 3. Financial bid must be sent via speed post/Registered post/courier etc. within the period of bid submission to the following address:**

**Joint Registrar(Store)**  
**Guru Ghasidas Vishwvisdyalaya,**  
**Koni, Bilaspur (C.G.), 495009**
- 4. The Financial Bids must be provided in Both Hard copy and soft copy in Pen drive in prescribed format as in Annexure II). The bid shall be cancelled if soft copy of financial bid is not provided as per format in excel strictly.**
- 5. The price must be quoted Department wise and item wise as Given and tender document.**
- 6. Bidders are requested to quote price (Financial bid) as per the prescribed pack-size strictly as in Annexure II. Also quote price department wise strictly as per list numbering (Annexure B as in Tender).**
- 7. Bidder are requested NOT to quote price in BOQ.**
8. Vendors are requested to offer their products range with company price list, the price list should be duly authenticated by the respective manufacturer (as applicable).
9. Price should be for delivery at Guru Ghasidas Vishwavidyalaya Campus, Bilaspur (CG). No additional cost in any manner shall be borne by the university.
10. The award of the contract may be decided on the basis of quoted rates, experiences & past performance etc. as desired in this EoI. The decision of the University in this regard shall be final and binding on the bidders.
11. The terms & conditions of this EoI/Tender shall remain valid till the expiry of the contractual period
12. Any change in statutory levies during the supply of items shall be paid extra against documentary proof for such changes, if legally livable and should be intimated within 3 weeks from the receipt of supply order.
- 13. Two original printed copies of price list & two soft copies (MS Word/Excel) of price list in the form of PENDRIVE should be provided. (Hard copy of the price list along with stamp and signature of the company/vendor, for placing order)**

14. The vendors/firms should be registered with GST Authorities.
15. Manufactures must submit certificate of registration as manufacturer along with the quotation.
16. Authorized dealer / distributor of a company has to submit a copy of their latest dealership/distributorship certificate. The vendors shall be eligible for the supply only upto the validity of such certificate during the validity of Bid.  
Number of vendors may be multiple for any one principle company, subject to the fulfillment of other requirement as desired in this EoI. University has all the rights reserved to negotiate with other bidder if it finds suitable for proper and smooth supply.
17. Prices charged for the items supplied should under no event be higher than lowest prices at which the party sells the items of identical description to any other Govt. organization during the period of contract failing which the "FALL CLAUSE" will be applicable. A certificate to this effect may be provided by the firm that the lowest prices have been offered to Guru Ghasidas Vishwavidyalaya. In case it is found that the price changed by the firm are more, the same will be recovered from the subsequent/unpaid bill of the supplier.
18. University reserves the right to enter into parallel Order for supply of similar items during the validity period of Bid with one or more parties.
19. University also reserves the right to test the chemicals and other consumables for their quality if it so desires.
20. The items, so supplied will have to be standard weight and of high quality & grade and in the inspection/test if these items are found to be of inferior quality, the same are to be replaced by supplier at their cost within the stipulated period, failing which the RC of the firm may be cancelled. Delayed supply / non-compliance of complete order may also lead to cancellation of Contract.
21. The items must be insured and delivered without any extra cost at the Institute and will also have to be installed free of cost. Any form of expenses to be incurred due to transport, packing, forwarding, loading-unloading etc. should be borne by the vendor.
22. Payment shall be made after satisfactory acceptance of the item. No advance/part payment to be made in any occasion.
23. The bidder has to declare the name of the Principal manufacturer (the product of which are to be supplied) and assign as company 1 to company 5 separately for i) Chemicals, ii) Glass-wares, iii) Plastic Wares/Lab Wares in the table as per Annexure-E.
24. **Warranty:** Comprehensive on-site warranty (as applicable) shall be applicable to the supplied goods generally for a period of 12 months for all manufacturing defects from the date of satisfactory installation, commissioning and acceptance.
25. Bidder may contact Store Section, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) for any clarification or information regarding the EoI/Tender

26. The delivery of goods will be taken at the risk and cost of the supplier from railway/ transport and university will not be held responsible for any such matter.
27. The supply of material will have to be completed within stipulated time given in the purchase order. The liquidated charges @0.5% per week shall be imposed if supply made after stipulated delivery period subject to maximum 10% of the total value of goods/ contract value.
28. In case supply of material requires more than stipulated time, the supplier must apply in writing and seek permission of extension, on valid ground, at least one week before the last date of expiry stipulated for supply. The University reserves all the rights to grant any extension in last date for the supply on valid grounds or may deny for granting any extension.
29. In case the proposal is accepted by the University then the Firm shall have to supply the items as per purchase order issued by GGV with the discount rates offered through this EoI.
30. The supply order will depend upon the requirement and recommendation furnished by the user department/ and availability of the fund with GGV.
31. The vendor shall have no claim for receiving purchase order, only on the basis that the vendor has been selected by the GGV for supply of items as per EoI, The firm has to supply the required items as per unit price mentioned in the latest price list (accepted by the University from time to time), with the discount offered in the EoI and accepted by the University.
32. Supply should be made in full against the Purchase order and shortage will be procured from any other source on the risk and cost of the supplier. Partial supply may not be accepted by the university
33. No. Payment will be made for unsatisfactory items supplied by the vendor.
34. The articles should be securely packed to avoid damages etc. in transit. tampered and damaged items will not be acceptable.
35. Delivery: The delivery should be given at GGV, Bilaspur, C.G. No delivery, packing charges, load, unloading charges will be paid extra by the University
36. Supply should be made from the latest batch of production with the maximum life period & original packing.
37. The bills ought to be submitted in triplicate, in the name of the Registrar, GGV, Bilaspur. The bill/invoice (with valid GST No.) must possess the bank details and the university Order No
38. Qualified and successful bidder shall have to execute an agreement for the supply, with the University, as per the terms & conditions of the EoI/Bid. However university may alter/ add few conditions in the agreement, if it deem fit in favour of the university at the time of agreement. The successful bidders will be required to submit the Security deposit money of 5% of amount of purchase order issued to the firm in the form of Account Payee Demand Draft/Fixed Deposit Receipt/ Bank Guarantee issued by any of the Nationalized Banks drawn in favour of Registrar, GGV, Bilaspur (C.G) “, before supplying the item.

39. The University, reserves the right to cancel the order (partly or fully) at any point of time during the contract period, without assigning any reason, in favour of the university.
40. **Earnest Money Deposit:** (EMD) of Rs. 50,000/- should be submitted in the form of Account Payee Demand Draft/Fixed Deposit/TDR Receipt of any of the Nationalized Banks drawn in favour of Registrar, GGV, Bilaspur (C.G) along with EoI.
41. **Security Deposit:** The successful bidders may be required to submit the Security deposit money of 5% of amount of purchase order issued of in the form of Account Payee Demand Draft/Fixed Deposit Receipt/ Bank Guarantee issued by any of the Nationalized Banks drawn in favour of Registrar, GGV, Bilaspur (C.G) “, before supply of items.
42. Sale Tax/GST: The rate of sale Tax/ GST should be mentioned clearly.
43. Authorization Letter: Authorization letter from the manufacturer should be submitted along with quotation, failing which bid may not be considered and accepted
44. Note: Each page of the Tender document and annexure if any, should be signed by the tenderers failing which tender may not be considered.
45. Validity: The rate should be valid generally valid for a period of six months.
46. The dispute arising between Vendor and the GGV will be referred to Arbitrator as per government of India norms.
47. **Resolution of disputes (Arbitration and laws):** In case of any dispute or difference arising out of or in connection with the EOI conditions/order and contract, the GGV and the tenderer will address the dispute/difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole arbitrator to be appointed by GGV. The arbitration shall be held in accordance with the provisions of the arbitration and conciliation act 1996 and the venue of arbitration shall be at Bilaspur (C.G.) only. The resolution of the arbitrator shall be final and binding on both the parties.
48. **Jurisdiction:** the courts at Bilaspur (C.G.) alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this EOI/contract. It is specifically agreed that no Court outside and other than Bilaspur (CG) court shall have jurisdiction in the matter

**Annexure I****TECHNICAL INFORMATION**

(Tenderer may use separate sheet wherever required)

Sl. No	Details of the firm/bidder	Detail to be Furnished by the firm/bidder	Page number in the EoI/tender document
1	Name and address of the Bidder		
2	e-mail id, Mobile No. and land line No. of the bidding firm		
3	State clearly whether it is Sole proprietor or Partnership firm or a company or a Government Department or a Public Sector Organization(attach relevant document in support)		
4	Item/materials for which supply is desired/applied for: a) Chemicals, b) Glass wares and c) Plastic / Lab wares		
5	Whether the firm is registered under company Act 1956? If yes, enclose certified copies as documentary evidence: In case firm is registered with other Govt. Deptt./Agency/CFIs., the same may be stated with documentary evidence.		
6	Bank Detail of the Bidder: Name of Bank: Full address of Bank: Account No.: IFSC of Bank:		
7	Details of the Tender Cost DD No.: Dated: Drawn on Bank: Amount:Rs 1500/-		
8	Details of the Earnest Money Deposit (EMD) DD/FDR/TDR No.: Dated: Drawn on Bank: Amount: Rs 50,000/-		
9	Attach duly certified copy current price list issued by the manufacturer (hard & soft Copy)		
10	Price Justification Certificate: Bidders are required to provide a certificate in this regard that that the discount offered on the printed price is equal to or more than the discount offered to any other organization for the current price list.(kindly submit the certificate ( as per annexure I -.F)		
11	No Blacklisting certificate (as per Annexure I-G)		
12	Copy of Income Tax Return for last 3 years (attach CA certified (copies)		
13	Attach the tender/EoI document and its annexure (duly signed and stamped by the bidder) <b>Note:</b> It is mandatory to sign each and every page of the documents including the tender format and are to be attached /submitted along with the Technical bid.		
14	Quality Assurance certificate (to be submitted by the bidder that the quoted products are of acceptable Standards & Purity), Please specify the product quality.		
15	Any other information, if the bidder wishes to furnish in order to strengthen its candidature as supplier.		
16	Undertaking as per annexure (as per Annexure-III)		

**Annexure -I-A**

**BIDDERS EXPERIENCE**

Year	Details of organization	Name, Address &Type of organization	Page No of documents attached in this EoI/Bid

**Annexure-I-B**

**Turn Over & Gross Profit Statement of the Bidding firm**

<b>Financial Year</b>	<b>Turn Over (Rs. in Lakh)</b>	<b>Turn Over in Average (Rs. Lakh)</b>	<b>Gross Profit (Rs. in Lakh)</b>	<b>Gross Profit in Average (Rs. in Lakh)</b>
<b>2019-20</b>				
<b>2020-21</b>				
<b>2021-22</b>				

Note: CA Certified copy of the audited balance sheet for the information as furnished above must be attached with the technical bid.



**Annexure- I-C**

**Statutory Information:**

<b>Sno</b>	<b>Description</b>	<b>Details to be furnished by the Bidder</b>	<b>Page No EoI/Bid</b>	<b>Attach all the certified copies of the documents in support</b>
<b>1</b>	PAN card			
<b>2</b>	TAN card			
<b>3</b>	GST registration			
<b>4</b>	Shop/Establishment Registration			
<b>5</b>	Labour License (as applicable)			

**Annexure-I-D**

**AUTHORIZATION Certificate Statement**

(To be submitted only if the bidder is not a manufacturer for the item quoted in this EoI)

To,  
The Registrar, GGV  
Bilaspur (C.G) 495009

Subject: Authorization Certificate Statement  
Reference: Authorization Certificate issued by the manufacturer vide no .....

Dear sir,

I hereby submit the certified copy of the authorization certificate issued by the principle manufacturing company as detailed under. the certificates are valid as desired in the Eoi. I have gone through the clause no and other relevant condition of this EoI.

SN	ITEM	Name of the manufacturer	Address of the manufacturer	Certificate reference No issued by the principle manufacturer	Date of issue	valid upto

Yours faithfully,

[Signature with date, name and designation]  
For and on behalf of  
Messrs.....  
[Name & address of the manufacturers]

**Annexure-I-E****Declaration of the Principle manufacture  
for which the bidder is participating in the EoI**

Bidder are required to go through clause 2.5 and other relevant condition of EoI before filling up the details as under.

Category	Item Description	Company Name and Address
<b>Chemical</b>	Company 1	
	Company 2	
	Company 3	
	Company 4	
	Company 5	
<b>GlassWares</b>	Company 1	
	Company 2	
	Company 3	
	Company 4	
	Company 5	
<b>Plastic and LabWares</b>	Company 1	
	Company 2	
	Company 3	
	Company 4	
	Company 5	

**Annexure I-F**

**CERTIFICATE OF PRICE JUSTIFICATION**

[TO BE GIVEN ON LETTER HEAD]

Tender No.:

I/We. M/s.....certify that the discount offered on the item wise printed price list of the manufacturer, are the best discount and the I/we have not offered discount more than the offer given in this EoI, on the similar items, to other organization/Institution/University(Govt / Private/ Govt Funded/ PSU). in last one year period.

SIGNATURE AND STAMP OF THE BIDDER

**Annexure I-G**

**NON BLACKLISTING CERTIFICATE**

[to be submitted on letterhead]

I/We hereby certify that the [Name of the company/firm] has not been ever blacklisted/debarred by any Central/State Government/Public Undertaking/Institute on any account.

I/We also certify that firm will supply the item as per the specification given by GGV, Bilaspur (C.G) and also abide all the terms and conditions stipulated in Purchase Order

I/We also certify that the information given in bid is true and correct in all aspects and in any case at a later date it is found that any details provided are false and incorrect, contract given to the concern firm or participation may be summarily terminated at any stage, the firm will be blacklisted and GGV, Bilaspur may impose any action as per Tender Rules.

Name:  
Business address:  
Signature of Bidder:  
Seal of Bidder:

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## Annexure II

### SAMPLE FINANCIAL BID FORMAT

**(SOFT COPY in Excel Must be sent Via speed post post/Registered Post/Courier)**

Sl. No.	Item Description (as in Annexure B)	Make/Manufacturer	Package Size	Rate (In Rs. Including GST)	Quantity Required	Total Price (In Rs. Including GST)
	<b>Department Name</b>					
1	Item name (Name of Chem/GW/PW)	Company Name				
2	Item name (Name of Chem/GW/PW)	Company Name				
3	Item name (Name of Chem/GW/PW)	Company Name				
4	Item name (Name of Chem/GW/PW)	Company Name				
5	Item name (Name of Chem/GW/PW)	Company Name				

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**Annexure III**  
**DECLARATION**

1. I, ..... Son /Daughter of Shri .....  
-  
Proprietor/ Partner/ Director/ Authorized Signatory of the bidding firm M/s. -----  
----- and I am competent to sign this declaration and execute this EOI document.
2. I have carefully read and understood all the terms and conditions of the EOI and I hereby convey my acceptance and compliance of the same.
3. The information/ documents furnished along with this EoI/Bid application are true and authentic to the best of my knowledge and belief.
4. I/ we am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my bid at any stage besides liabilities towards prosecution under appropriate law, and my EMD may also be forfeited.
5. My/Our firm is neither blacklisted by any Government Department/PSUs/PSEs nor is any Criminal Case registered against the firm or its owner or partners or directors anywhere in India.
6. I/We have read and understood all the terms and conditions and are acceptable to the firm. I/we will obey/comply/abide by all the terms and conditions of this EoI cum Tender, if the contract is awarded to my firm.
7. Total number of pages (including signed copy of EoI documents) being submitted in this bid is .....

**Dated:** .....

**Signature of Bidder**.....

**Name**.....

**Designation**.....

**Firm' seal**.....

- Note :**
1. The above declaration, duly signed and sealed by the authorized signatory of the firm/company, should be enclosed with the EOI document.
  2. Certificate as per above must be submitted only on non-judicial stamp paper of Rs.100/-.

## CHECK – LIST

Details		Complied /attached Yes/No	Page Num ber	Compiled/ Not- Compiled
<b>Envelope I (Offline)</b>				
1	DD of the Bid cost/fee of Rs 1500/- (non-refundable) has been kept in original in Envelope-I along with the DD /FDR/TDR of EMD			
2	DD /FDR/TDR of the Bid cost/fee of Rs 50,000/- (refundable) has been kept in original in Envelope-I along with the DD of Tender cost/fee as above.			
3	Printed Copy of Latest Price List of Principal manufacturer			
<b>Envelope-II (Offline Only)</b> (Attach the duly signed copies of the following along with relevant supporting documents as detailed in the tender)				
1	Weather bidder has read and signed each page of the EoI cum tender documents and enclosed in original of the same along with the technical bid documents in Envelope-II. Weather bidder has read and signed each page of the EoI cum tender documents and uploaded the scanned copy of the same along with the technical bid documents.			
2	Annexure I (in desired format) is attached by the bidder.			
3	Annexure I-A (in desired format) is attached by the bidder.			
4	Annexure I-B (in desired format) is attached by the bidder.			
5	Annexure I-C (in desired format) is attached by the bidder.			
6	Annexure I-D (in desired format) is attached by the bidder.			
8	Annexure I-E (in desired format) is attached by the bidder.			
9	Annexure I-F (in desired format) is attached by the bidder.			
10	Annexure I-G (in desired format) is attached by the bidder.			
11	Annexure III (in desired format) is attached by the bidder.			
<b>Envelope-III Offline (Hard and soft in pen drive only)</b>				
1	<b>Annexure-II (in desired format) (Hard and soft in pen drive only)</b>			

Dated: .....

Signature of Bidder.....  
Name.....  
Designation.....  
Firm's seal.....



## Annexure-B

<b>List of Chemicals, Glassware &amp; Plastic ware</b>				
<b>1. DEPARTMENT OF BIOTECHNOLOGY</b>				
<b>Sr. No.</b>	<b>Chemical/plastic ware/Glassware/kit name</b>	<b>Pack size</b>	<b>Require Qty.</b>	
1	Agar, Bact. Grade	500g	4	
2	Sucrose AR/ACs	500g	5	
3	Starch soluble AR/ACs	500g	2	
4	Sodium hydroxide AR/ACS	500g	5	
5	Sodium chloride AR	500g	5	
6	Acetone AR	500 ml	5	
7	Benedicts Reagent	500 ml	3	
8	1- Butanol Hi AR	500 ml	5	
9	Ammonium acetate AR	500 ml	1	
10	Acrylamide	100g	2	
11	Ampicillin sod. Sulphate	5g	2	
12	Chloroform AR	500ml	5	
13	Calcium Nitrate tetrahydrat AR/ACs	500g	1	
14	Copper sulphate II anhydrous	500g	1	
15	Copper II Acetate monohydrate AR/ACS	250g	1	
16	Czapek dox Agar	500g	1	
17	Diethyl ether AR	500ml	6	
18	D- Glucose anhydrous AR/ACS	500g	2	
19	DNA sodium salt	5g	2	
20	Mercuric chloride AR	100g	1	
21	Methanol AR	500ml.	10	
22	Phenol reagent LR	100ml	3	
23	Ethyl acetate AR	500ml	6	
24	Formaldehyde sol. AR	500ml	6	
25	Grams iodine	125ml.	10	
26	Potato dextrose agar	500g	1	
27	Mannitol AR/ACS	500g	1	
28	Muller Hinton agar granulated	500g	2	
29	Nutrient broth	500g	2	
30	Nutrient Agar	500g	2	
31	Potassium dichromate AR/ACS	500g	1	

32	Potassium Iodide AR/ACS	250g	1	
33	Potassium permagnate AR	500g	2	
34	Petroleum ether AR	500ml	10	
35	Potassium hydroxide AR/ACS	500g	5	
36	Picric acid	500g	1	
37	Potassium chloride AR/ACS	500g	3	
38	Phenol crystal AR/ACS	500g	2	
39	Peptone Bact.	500g	1	
40	Potassium Ferrocyanide trihydrate AR/ACS	500g	2	
41	Silver nitrate AR/ACS	25g	1	
42	Sodium cetate trihydrate AR/ACS	500g	2	
43	Sodium carbonate anhydrous AR/ACS	500g	3	
44	Safranine .5 % w/v	125ml	5	
45	Yeast Extract powder	500g	1	
46	Sod. Pot. Tartrate AR/ACS	500g	2	
47	Tryptone certified	500g	1	
48	Orthophosphoric acid AR	500ml	1	
49	Sodium alginate	500g	1	
50	2- Propanol AR	500ml	10	
51	Gelatin	100g	1	
52	Casein acid hydrolysate	500g	1	
53	Paraffin wax	500g	2	
54	D-Fructose LR	500g	2	
55	Citric acid anhydrous AR/ACS	500g	1	
56	Bacterial genomic DNA purification kit	1 kit	1	
57	Plasmid DNA miniprep purification kit	1 kit	1	
58	Plant DNA isolation kit	1 kit	1	
59	Ficoll 400	5g	1	
60	Petroleum jelly	500g	1	
61	Iodine AR/ACS	100g	1	
62	5,5 Dithiobis(2-nitrobenzoic acid)	5g	1	
63	Chitosan	50g	1	
64	Flask Pear Shape 1000ml.	4	1	
65	Test tube without rim 18x150	1 Nos	500	
66	Conical flask (gl) 250ml.	1 Nos	50	
67	Petri dish (17x100 mm )	1 Nos	150	
68	Beaker (gl) 250 ml.	1 Nos	36	

69	Microcentrifuge tube 2.0ml. attached hinged cap	1 Nos	500	
70	Triangular s.s. spreader	1 Nos	10	
71	Pipette Tips 1000µl.	1 Nos	1000	
72	Magnetic stirring Bars 6x18mm	5no.	1	
73	Hi Indicator pH paper pH 5 to 7.5	1pk	1	
74	Hi Indicator paper pH 6.5 to 9.0	1pk	1	
75	Hi Indicator paper pH 1 to 14	1pk	1	
76	Micro pipette tips 5000µl.	500 Nos	1	
77	Parafilm M125	1 no.	1	
78	Filtr paper grade 01 12.5 cm	Pkt	10	
79	Hi Dispo Bag size 20x14''	250no	1	
80	Test tube without rim 15x150	1 Nos	500	
81	Test tube without rim 18x150	1 Nos	500	
82	Test tube without rim 25x150	1 Nos	300	
83	Beaker (gl) 50 ml.	1 Nos	24	
84	Beaker (gl) 100ml	1 Nos	24	
85	Beaker (gl) 250 ml.	1 Nos	36	
86	Beaker (gl) 500 ml	1 Nos	24	
87	Beaker (gl) 1000ml.	1 Nos	24	
88	Conical flask (gl) 100ml.	1 Nos	50	
89	Conical flask (gl) 250ml.	1 Nos	100	
90	Conical flask (gl) 500 ml	1 Nos	24	
91	Petri dish (17x100 mm )	1 Nos	400	
92	M/ Cylinder (gl) 50 ml.	1 Nos	12	
93	M/ cylinder (gl) 100 ml.	1 Nos	2	
94	M/cylinder (gl) 250 ml.	1 Nos	12	
95	M/ cylinder (gl) 500ml.	1 Nos	12	
96	M/ cylinder (gl) 1000ml	1 Nos	6	
97	Flask Pear Shape 1000ml.	1 Nos	4	

## 2. DEPARTMENT OF PHARMACY

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack size	Require Qty.	
1	ACACIA	500G	4	
2	ACETIC ACID	500ML	2	
3	Acetone	2.5lit	6	

4	Agar powder	500gm	6	
5	AMMONIUM CHLORIDE	500G	4	
6	AMMONIUM CITRATE	500G	2	
7	ARACHIS OIL	500ML	2	
8	ASPIRIN	250G	4	
9	BENZENE	500ML	4	
10	BORAX	500G	4	
11	CALAMINE	500G	4	
12	Calcium chloride	500gm	4	
13	Carbopol 934	500gm	1	
14	Carbopol 940	1kg	1	
15	CASTOR OIL	500ML	6	
16	CETOSTYRYL ALCOHAL	500G	6	
18	CHITOSAN	500G	4	
19	CITRIC ACID	500G	6	
20	DEXTROSE	500G	6	
21	Di sodium hydrogen ortho phosphate	500gm	6	
22	DIMETHYL FORMAIDE	500ML	2	
23	DISODIUM HYDROGEN PHOSPHATE	500G	6	
24	ETHANOL	500ML	8	
25	EUDRAGIT RS-100	250G	2	
26	EUDRAGIT S-100	250G	2	
27	FEMERIC ACID	500G	2	
28	GLYCROL	500ML	8	
29	HYDLONOLIC ACID	5G	2	
30	IODINE	500G	1	
31	LACTOSE	500G	5	
32	LIQUID PARAFIN	500ML	5	
33	LIQUIFIED PHENOL	500G	2	
34	MAGNESIUM CHLORIDE	500G	8	
35	MAGNESIUM HYDROXIDE	250G	8	
36	MAGNESIUM STEARATE	500G	4	
37	MAGNESIUM SULPHATE	500G	5	
38	METHANOL	500ML	2	
39	METHYL SALICYLATE	500ML	5	
40	MICRO CRYSTALLINE CELLULOSE	500G	5	
41	MTHYL PARABEN	500G	5	
42	OLIEC ACID	500ML	5	

43	Olive oil	250ml	5	
44	PARACETAMOL	500G	5	
45	PODASSIUM DIHYDROGEN PHASPHATE	500G	4	
46	POLY VINYL ALCOHAL	500G	5	
47	POLYETHYLENE GLYCOL 400	500ML	5	
48	POLYSORBATE-20	500ML	5	
49	POLYVINYL PYROLYDONE	500G	4	
50	POTASSIUM HYDROXIDE	500G	5	
51	POTASSIUM IODIDE	500G	1	
52	POTASSIUM PERMAGNATE	500G	5	
53	PROPYLENE GLYCOL	500ML	2	
54	SALICYLIC ACID	500G	5	
55	SODIUM ACETATE	500G	5	
56	SODIUM BI CARBONATE	500G	5	
57	SODIUM CARBONATE	500G	5	
58	Sodium lauryl sulfate	500gms	5	
59	SODIUM LAURYL SULPHATE	500G	5	
60	SODIUM METABISULPATE	500G	5	
61	Span 80	500ML	5	
62	STARCH	500G	5	
63	STEARIC ACID	500G	10	
64	SUCROSE	500G	4	
65	TALC	500G	4	
66	TARTARIC ACID	500G	4	
67	TRPENTINE OIL	500ML	2	
68	WHITE BEES WAX	500G	2	
69	WOOL FAT	500G	2	
70	ZINC SULPHATE	500G	10	
71	Beakers 25 ml	1 Nos	50	
72	Beakers 50 ml	1 Nos	50	
73	Beakers 100 ml	1 Nos	50	
74	Beakers 250 ml	1 Nos	50	
75	Beakers 500 ml	1 Nos	30	
76	Beakers 1000 ml	1 Nos	20	
77	Flask volumetric 10 ml	1 Nos	50	
78	Flask volumetric 20 ml	1 Nos	50	
79	Flask volumetric 25 ml	1 Nos	50	

80	Flask volumetric 50 ml	1 Nos	50	
81	Flask volumetric 100 ml	1 Nos	50	
82	Flask volumetric 250 ml	1 Nos	50	
83	Flask volumetric 500 ml	1 Nos	50	
84	Flask volumetric 1000 ml	1 Nos	25	
85	R.B. flask with neck 250 ml jointer	1 Nos	40	
86	R.B. flask with neck 500 ml jointer	1 Nos	40	
87	China dish 75 mm (porcelain)	1 PC	50	
88	Test tube holder	Dozen	20	
89	Tongs 8"	Dozen	20	
90	Ignition tube	100 Nos	10	
91	Slide plain	50Slide/Pack	40	
92	Cover slip	10g	40	
93	Thermometer 360 oC	1 PC	30	
94	Viscometer	1 PC	30	
95	Stalagmometer	1 PC	40	
96	Spatula	1 PC	100	
97	Glass rods	1 PC	100	
98	Burette stand with clamp	1 PC	20	
99	pH paper 1-14	Pkt	20	
100	Petridesh 75 mm(medium)	100 Pcs	6	
101	Capillary tube	100 Pcs	20	
102	Nesslercylinder 50 ml	1 PC	20	
103	Cuvette Glass	1 Set	2	
104	Cuvette Quartz	1 Set	2	
105	Conical flask 100ml	1 Nos	50	
106	Conical flask 250ml	1 Nos	50	
107	Conical flask 500ml	1 Nos	25	
108	Conical flask 50ml	1 Nos	50	
109	Measuring cylinder 10ml	1 Nos	50	
110	Petridish 80	1 Nos	40	
111	watch glass 80	1 Nos	100	
112	funnel 75mm	1 Nos	40	
113	Measuring cylinder 50ml	1 Nos	30	
114	Measuring cylinder 100ml	1 Nos	50	
115	pipette 1ml	1 Nos	25	
116	pipette 2ml	1 Nos	25	
117	pipette 5ml	1 Nos	25	

118	pipette 10ml	1 Nos	25	
119	Round bottom Flask 250ml	1 Nos	32	
120	Round bottom Flask 500ml	1 Nos	32	
121	Reagent bottle 500ml	500ml	50	
122	Whatmann filter paper	1 Pkt	10	
123	PH paper	Pkt	10	
124	Bottle brush (small ,medium large)	1 Nos	10	
125	Absorbent cotton	Pkt	10	

### 3. DEPARTMENT OF PURE AND APPLIED PHYSICS: PART A

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack size	Require Qty.	
1	2-Propanol	500ml	4	
2	Acetone	2.5Ltr	5	
3	Acetonitrile	500 ML	1	
4	Acitone-AR Garade	1 lt	1	
5	Al <sub>2</sub> Cl <sub>3</sub>	500G	1	
6	Aluminium Nitrate Nonhydrate	500 gm	1	
7	Aniline	100 ML	1	
8	Antimony trichloride, Hi-ARTM/ACS	250G	1	
9	Barium Nitrate	500 gm	1	
10	Barium oxide	25gm	1	
11	Bismuth Oxide (Bi <sub>2</sub> O <sub>3</sub> )	100gm	1	
12	Bismuth(III) nitrate pentahydrate	25 gm	1	
13	Cadmium acetate dihydrate (Ch <sub>3</sub> Co <sub>o</sub> ) <sub>2</sub> CD.2H <sub>2</sub> O)	500G	1	
14	Calcium chloride	20 gm	1	
15	Cerium (III) nitrate hexahydrate, Hi-AR™	100G	1	
16	Cesium chloride, Hi-ARTM	100G	1	
17	<a href="#">Cesium sulphate</a>	25gm	1	
18	Chromamium Accetate	250	1	
19	Citric Acid-AR Grade	500 G	1	
20	Cobaltous nitrate hexahydrate	250G	1	
21	Cupric acetate monohydrate	250G	1	
22	Cupric chloride dihydrate CuCl <sub>2</sub>	500G	1	
23	Diethanolamine HN(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>2</sub>	500ML	1	
24	Dysprosium (III) oxide	15 gram	3	
25	Erbium (III) Oxide 99.99%	5GM	1	

26	Europium (III) oxide, Hi-AR™	5gm	1	
27	Ferric nitrate nonahydrate [Fe(NO <sub>3</sub> ) <sub>3</sub> .9H <sub>2</sub> O]	100G	1	
28	Ferric nitrate nonahydrate [Fe(NO <sub>3</sub> ) <sub>3</sub> .9H <sub>2</sub> O]	1 Kg	1	
29	Holmium (III) oxide	5 gram	1	
30	Hydrazine hydrate 99-100%	500 ml	1	
31	Hydrazine Hydrate-Grade (N <sub>2</sub> H <sub>4</sub> .H <sub>2</sub> O)	100 ml	1	
32	Hydrochloric Acid	2 L	1	
33	Hydrochloric Acid (HCl)	500ml	1	
34	Hydrogen peroxide-AR Grade	500ml	1	
35	Indium (I) metal pieces	10 gm	1	
36	Lanthanum (III) nitrate hexahydrate, Hi-AR™	100G	1	
37	Magnesium nitrate hexahydrate	500 gm	1	
38	Mangenisium Accetate (CH <sub>3</sub> COO) <sub>2</sub> Mg · 4H <sub>2</sub> O	100g	1	
39	Methanol	2.5Ltr	2	
40	Neodymium (III) oxide	10 gm	1	
41	Nickel(II) nitrate hexahydrate, Hi-AR™/ACS	500G	1	
42	Nickel(II) nitrate hexahydrate, Hi-AR™/ACS	500G	1	
43	Niobium Oxide (Nb <sub>2</sub> O <sub>5</sub> )	25gm	1	
44	Nitric acid	500ml	1	
45	Nitric acid min. 69% pure, Hi-AR™	500ml	1	
46	Nitric acid min. 69% pure, Hi-AR™	500 ml	1	
47	Poly(vinylidene fluoride)	5 gram	1	
48	Polyethylene Oxide	5 gm	1	
49	Selenium metal powder	25gm	1	
50	Selenium powder black 99.9% AR	25 gm	1	
51	Silver conductive adhesive paste	15g	1	
52	Sm(NO <sub>3</sub> ) <sub>3</sub> · 6H <sub>2</sub> O	25gm	1	
53	SODIUM ACETATE ANHYDROUS	500G	1	
54	Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	500gm	1	
55	Sodium Hydroxide (NaOH)	250ml	1	
56	Sodium molybdate dihydrate 99% AR	100 gm	1	
57	Sodium Nitrate-AR Garde	500 G	1	
58	Sodium Sulphide (>99 % purity)	20 gm	1	
59	Sodium tungstate dihydrate 99% AR/ACS	100 G	1	
60	Sulphuric Acid-AR Grade	500 ml	1	



61	Sulphuric Acid-AR Grade	1Ltr	2	
62	Tellurium oxide, 99.99%	50gm	1	
63	Terbium Nitrate 99.9%	5gm	1	
64	Tetraethyl orthosilicate	500ML	1	
65	Thulium Oxide 99.999%	1GM	1	
66	Triethanolamine (TEOA)	20 gm	1	
67	Tungsten carbide (WC)	100g	1	
68	Urea	500 gm	1	
69	vanadium pentaoxide	100gm	1	
70	Ytterbium Nitrate 99.99%	10Gm	1	
71	Zinc Acetate $Zn(CH_3COO)_2 \cdot 2H_2O$	500G	1	
72	Zinc nitrate hexahydrate	500G	1	
73	Magnesium metal powder	500G	1	
74	<a href="#">La<sub>2</sub>O<sub>3</sub> (99.9%)</a>	100G	1	
75	Carbon nanotube, single-walled	250 MG	1	
76	Graphene oxide	1 G	1	
77	Europium(III) nitrate hydrate	2 G	2	
78	Cesium nitrate	50 G	2	
79	Silver nitrate, Hi-AR™/ACS	25 G	1	
80	Indium (III) sulphate hydrate, Hi-LR™	10 G	1	
81	$Ni(NO_3)_2 \cdot 6H_2O$	20G	1	
82	$Co(NO_3)_2 \cdot 6 H_2O$	10G	1	
83	Gd <sub>2</sub> O <sub>3</sub>	25G	1	

**DEPARTMENT OF PURE AND APPLIED PHYSICS: PART B**

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack size	Require Qty.	
1	1	1 Nos	3	
2	Spectrometer crown glass prism 30*30*30	1 Nos	3	
3	Educational diffraction grating 15000 line per inch	1 Nos	3	
4	Laser grating 100+200+500 line/ mm	1 Nos	3	
5	Circular aperture size 0 .05 mm	1 Nos	10	
6	Circular aperture size 0 .1 mm	1 Nos	10	
7	Polari meter tube length 15 cm	1 Nos	2	
8	Fresnel bi-prism, Bi prism size (L 33*W 30 MM) ,thickness 2mm angle 170 degree	1 Nos	1	
9	Convex lens focal length 20 cm	1 Nos	5	

10	Set of Plano convex lens and plane glass plate for newtons ring experiment diameter 50/60mm, thickness 4mm ,circular shape	1 Nos	4	
11	Spectrometer Eye piece with cross wire size 10X	1 Nos	5	
12	Color filter for planks constant experiment, set of minimum five color filter dia55/58mm	1 Nos	2	
13	Single slit 0.1mm and double slit for laser light experiment	1 Nos	4	
14	JM Helping Hand Magnifier Magnifying Glass LED Soldering Stand 2.5X 7.5X 10X Soldering Stand (Black)	1 Nos	1	
15	Mini Magnifier with 2 LEDs 3X Magnifying glass (Silver, Black)	1 Nos	2	
16	Sodium lamp 35 watt For wavelength of sodium light exp.	1 Nos	1	
17	Mercury lamp ,125 watt , (mbf-u) for wavelength experiment	1 Nos	2	
18	Mini DC 10V Blue LED Panel 3 Wire Digital Display Voltage Voltmeter	1 Nos	5	
19	Beaker 200 ml (glass)	1 Nos	5	
20	Iron boll (size 2mm)(100 nose in one pack )	1 Nos	4	
21	Iron boll (size 5 mm) )(100 nose in one pack )	1 Nos	1	
22	Iron boll (size 7 mm) )(100 nose in one pack )	1 Nos	1	
23	Digital Stop watch	1 Nos	5	
24	Rubber pipe /tube inner diameter 3 mm and outer diameter 20mm	1 Nos		
25	Glycerin for Stoke'smethod exp.500ml	1 Nos	10	
26	Pellet press die set	1 Nos		
27	2 window UV Quartz Cuvette	1 Nos	1	
28	Magnetic beads	1 Nos	5	
29	Silicon Wafer Diameter Intrinsic (4-inch) n tyoe	1 Nos	2	
30	Silicon afer Diameter Intrinsic (4-inch) p type	1 Nos	2	
31	Agate Mortar and Pestle 100mm*4.5inches	1 Nos	1	
32	Alumina Crucible – Cylindrical 30ml	1 Nos	100	
33	glass beaker with handle 150ml	1 Nos	20	
34	Tongs for beaker and flask	1 Nos	5	

35	Tongs for crucible	1 Nos	5	
36	MICROSCOPE GLASS SLIDES	1 Nos	5	
37	(CONICAL) FLASK 250ml	1 Nos	3	
38	(CONICAL) FLASK 500ml	1 Nos	3	
39	CULTURE With PP Cap 15ml	1 Nos	20	
40	GLASS WEIGHING SCOOP 1ml	1 Nos	5	
41	GLASS WEIGHING SCOOP 2ml	1 Nos	5	
42	GLASS STIRRER ROD 150mm length	1 Nos	30	
43	GLASS STIRRER ROD 255mm length	1 Nos	30	
44	BEAKER 25 ML	1 Nos	5	
45	BEAKER 50ML	1 Nos	5	
46	BEAKER 100ML	1 Nos	5	
47	BEAKER 150 ML	1 Nos	5	
48	BEAKER 500 ML	1 Nos	5	
49	FUNNEL 50 MM	1 Nos	5	
50	FUNNEL 100MM	1 Nos	5	
51	MICROPIPETTE TIP	1 Nos	5	
52	GLASS DROPPER	1 Nos	50	
53	LABWORLD Mercury Thermometer 0 to 250 Degrees Celsius	1 Nos	2	
54	Cleaning Brushes 8 Inch Nylon Tube Brushes Set	1 Nos	50	
55	PARAFILM TAPE	1 Nos	1	
56	Tissue paper roll	1 Nos	50	
57	Wattman Filter paper	1 Nos	2	
58	Petri dish	1 Nos	19	
59	Aluminum foil	1 Nos	30	

#### 4. DEPARTMENT OF PURE AND APPLIED PHYSICS: FOR ELECTRONICS

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack size	Require Qty.	
1	Banana Plug - 4mm Standard with wire Quality Standard 4mm Banana Plug To Banana Plug Red Black Test Probes Pair – 1feet. 300	1 Nos	200	
2	DC bulb 12 volt	1 Nos	5	
3	Digital multimeter	1 Nos	15	
4	Resistance 50 $\Omega$ rating 0.5/1 watt, carbon resistance provide one suitable plastic box for placing all same Resistance	1 Nos	50	

5	Resistance 100 $\Omega$ rating 0.5/1 watt, carbon resistance provide one suitable plastic box for placing all same Resistance	1 Nos	50	
6	Resistance 10 K $\Omega$ rating 0.5/1 watt, carbon resistance provide one suitable plastic box for placing all same Resistance	1 Nos	50	
7	Resistance 1 K $\Omega$ rating 0.5/1 watt, carbon resistance provide one suitable plastic box for placing all same Resistance	1 Nos	50	
8	Zener diode 6 volt ,500mw for voltage regulator exp.	1 Nos	50	
9	Diode Germanium (IN34A) , provide one suitable plastic box for placing all same diode	1 Nos	50	
10	Diode silicon (IN4007) provide one suitable plastic box for placing all same diode	1 Nos	50	
11	Electrolytic Capacitor 10 $\mu$ F,16V provide one suitable plastic box for placing all same capacitor	1 Nos	50	
12	Electrolytic Capacitor 100 $\mu$ F,25V provide one suitable plastic box for placing all same capacitor	1 Nos	50	
13	Electrolytic Capacitor 1000 $\mu$ F,25V provide one suitable plastic box for placing all same capacitor	1 Nos	50	
14	Ceramic capacitor 0.1 $\mu$ F , provide one suitable plastic box for placing all same capacitor	1 Nos	50	
15	Ceramic capacitor 1 $\mu$ F provide one suitable plastic box for placing all same capacitor	1 Nos	50	
16	capacitor (P2G103K) provide one suitable plastic box for placing all same capacitor	1 Nos	50	
17	capacitor (P2A104K) provide one suitable plastic box for placing all same capacitor	1 Nos	50	
18	Transistor BC 107	1 Nos	50	

19	Transistor CL100 (NPN type) CL100 And CK 100 Are Medium Power Transistors Suitable For A wide Range Of Medium Voltage And Current Amplifier Applications. Provide plastic box for placing all same transistor.	1 Nos	50	
20	SK100 is a general purpose, medium power PNP transistor, Provide plastic box for placing all same transistors.	1 Nos	50	
21	Regulator IC 7805, It is a member of 78xx series of fixed linear voltage regulator ICs. Provide plastic box for placing all same IC	1 Nos	20	
22	Regulator IC 7809, It is a member of 78xx series of fixed linear voltage regulator ICs. . Provide plastic box for placing all same IC.	1 Nos	20	
23	Regulator IC 7812, It is a member of 78xx series of fixed linear voltage regulator ICs. .Provide plastic box for placing all same IC	1 Nos	20	
24	Regulator IC 7905, It is a member of 79xx series of fixed linear voltage regulator ICs. . Provide plastic box for placing all same IC	1 Nos	20	
25	Regulator IC 7909, It is a member of 79xx series of fixed linear voltage regulator ICs. Provide plastic box for placing all same IC	1 Nos	20	
26	Regulator IC 7912, It is a member of 79xx series of fixed linear voltage regulator ICs. Provide plastic box for placing all same type of IC.	1 Nos	20	
27	Step down transformer 6-0-6, The Transformer act as step down transformer reducing AC - 240V to AC - 6V -0V - + 6V. 500 mA.etc.	1 Nos	10	
28	Step down transformer (12-0-12)V, The Transformer act as step down transformer reducing AC - 240V to AC (12-0-12)V, . 500 mA. etc.	1 Nos	10	
29	Step down transformer 9-0-9 The Transformer act as step down transformer reducing AC - 240V to AC 9-0-9. 500 mA.	1 Nos	10	

34	Step down transformer (15-0-15)V, The Transformer act as step down transformer reducing AC - 240V to AC (15-0-15)V, . 500 mA. etc.	1 Nos	10	
38	Thermistor 5k $\Omega$ , 2.41 (Dia.) x 6.5mm For measurement of Temperature experiment using thermistor.	1 Nos	15	
39	(2N 2646 ) for UJT chara. exp. ( 2N 2646 )	1 Nos	5	
40	Clamp meter, For measuring externally voltage and current	1 Nos	1	
43	Soldering iron 25 watt with stand for electronics soldering work	1 Nos	20	
44	Solder Wire, 50gms 18-22 SWG ,(tin- Lead 60-40), Core Flux Included Solder Wire, low meting point	1 Nos	20	
45	CRO probe for cathode ray oscilloscope. (BNC to Crocodile Probe)	1 Nos	20	
47	Singel Strand Wire - 25 Gauge Solid: Blue[High Quality] hookup wire	1 Nos	50	
48	IC 74LS 00 ,2 input NAND gate , Provide suitable plastic box for placing all same type of IC.	1 Nos	20	
49	IC 74LS02, 2 input NOR gate, Provide suitable plastic box for placing all same type of IC.	1 Nos	20	
50	IC 74LS04, Not gate	1 Nos	20	
51	IC 74LS 08, 2 input AND gate	1 Nos	20	
52	IC 74LS 11, 3 input AND gate	1 Nos	20	
53	IC 74LS 86, 2 input XOR gate	1 Nos	20	
54	IC 74LS 10, 3 input NAND gate	1 Nos	20	
55	IC 74LS32, 2 input OR gate	1 Nos	20	
56	<a href="#">IC 74LS138, - 1-of-8 Decoder De-Multiplexer</a>	1 Nos	10	
57	Encoder IC 74LS 147,	1 Nos	10	
58	IC 7483 Adder /	1 Nos	10	
59	IC 7474 JK flip flop	1 Nos	10	
60	IC 74153, 4-1 multiplexer	1 Nos	10	
61	<a href="#">74LS154/74HC154 - 4-Line to 16-Line Decoder/Demultiplexer</a>	1 Nos	10	

62	IC 7447, BCD to seven segment decoder	1 Nos	10	
63	<a href="#">CD4028 ,BCD-to-Decimal Decoder</a>	1 Nos	10	
64	74LS193 Binary Up/Down Counter with Clear	1 Nos	10	
65	IC 74HC194, 4-bit Bi-directional Shift Register	1 Nos	10	
66	IC 555, Multivibrator IC 8pin	1 Nos	10	
67	IC LM741, 8 pin for operational amplifier experiment	1 Nos	10	
68	Balance modulator	1 Nos	5	
69	IC 8038ACP,9928 audio oscillator	1 Nos	5	
70	Seven segment display for BCD to seven segment (common anode)	1 Nos	10	
71	Seven segment display for BCD to seven segment (common cathode)	1 Nos	10	
72	5 volt, 500 mA adopter for broad power supply	1 Nos	10	
73	Resistance 220 ohm .25 watt for connection of LED with series	1 Nos	50	
74	L E D 5mm/( 5volt )	1 Nos	10	
75	Zero board/copper board with hole for circuit making connection	1 Nos	10	
76	Wire Stripping Plier (Green and Black) WS 05 Steel (130mm)	1 Nos	15	
77	Round Strip extension Cord;6 Amp 8 Universal Multi Plug Point Extension Board (Cord)	1 Nos	4	
78	Plier,size 8 Inch	1 Nos	4	
79	Screwdriver Set, Combination (Pack of 9)	1 Nos	3	
80	3.5mm 1.5M Desoldering Braid Solder	1 Nos	4	
81	Desoldering Pump - Solder Sucker	1 Nos	4	
82	Allen Key Set	1 Nos	2	
83	Hot plate wire with plug length 2 meter	1 Nos	10	
84	Mouse for computer wired USB mouse	1 Nos	10	
<b>5. DEPARTMENT OF CHEMISTRY: PART A: CHEMICAL LIST</b>				
<b>Sr. No.</b>	<b>Chemical/plastic ware/kit name</b>	<b>Pack size</b>	<b>Require Qty.</b>	
1	Methanol	2.5 ltr	25	

2	Hydrochloric acid	5 ltr	5	
3	Ethyl Alcohol	5lt	25	
4	Sulphuric acid	5 Ltr.	5	
5	Propanol-2	2.5 ltr	2	
6	Ammonia	2.5 ltr	10	
7	Chloroform	2.5 ltr	10	
8	Ethyl acetate	2.5 ltr	10	
9	Diethyl ether	2.5 ltr	10	
10	Acetone	2.5 ltr	10	
11	Sodium Hydroxide	500gm	10	
12	Salisaldehyde	100ml	10	
13	Acetic acid	2.5 ltr	5	
14	Sodium bi carbonate	1000gm	5	
15	Petroleum ether	2.5 ltr	10	
16	Phenol	500gm	10	
17	Cobalt (II) Chloride hexahydrate	500gm	2	
18	Di Sodium hydrogen phosp.	500gm	5	
19	Glycerol	2.5 ltr	5	
20	Dimethyl Glyoxime	100gm	5	
21	Oxalic acid	500gm	3	
22	Zinc Acetate	500gm	2	
23	Activated charcoal	500gm	3	
24	Nitro Benzene	500ml	2	
25	Ferrous Ammo. Sulphate	500gm	2	
26	DimethyleSulphoxide	500ml	10	
27	EDTA Dipottasium Salt	500gm	2	
28	Chromium chloride	500gm	2	
29	Iodine	100gm	2	
30	Mangnous Chloride	500gm	2	
31	Dimethyl formamide	500ml	10	
32	N,N-Dimethyl aniline	500ml	10	
33	Ammonium thiocynate	500gm	2	
34	Phosphoric acid	500ml	2	
35	Nickel Chloride PU	500gm	4	
36	Nickel Sulphate PU	500gm	2	
37	Phthalamide	500gm	2	
38	Phthalic anhydride	500gm	2	
39	Potassium Nitrate	500gm	1	



40	Sodium Sulphite	500gm	2	
41	Zinc Sulphate	500gm	2	
42	Thiourea	500gm	5	
43	Ferrous Sulphate	500gm	2	
44	Benzil	1 kg	2	
45	Potassium per Sulphate	500gm	2	
46	Potassium carbonate	500gm	5	
47	Benzophenone	500gm	5	
48	Zinc chloride	500gm	2	
49	Copper Nitrate EP	50gm	2	
50	Copper Chloride EP	500gm	2	
51	Copper Sulphate	500gm	2	
52	EDTA disodium salt	500gm	2	
53	Formaldehyde	500ml	2	
54	Diphenylamine	500gm	5	
55	Hexane	2.5 ltr	10	
56	Phosphorous Pentachloride	500gm	4	
57	Potassium Hydroxide	500gm	2	
58	Phthalic acid	500gm	2	
59	Potassium Oxalate	500gm	1	
60	Potassium Sulphate	500gm	1	
61	Resorcinol	100gm	5	
62	N/50 Silver nitrate Solu.	500ml	10	
63	Sodium Acetate Anhyd.	500gm	1	
64	Aniline	500ml	10	
65	Sodium Sulphate	500gm	5	
66	Sulphanilic acid	500gm	2	
67	Urea	500gm	5	
68	Zinc Carbonate	500gm	2	
69	2,4-D.N.P. Hydrazine	100gm	2	
70	Acetyl chloride	500ml	5	
71	Acetonitrile	2.5 ltr	2	
72	Benzene	2.5 ltr	10	
73	Ammonium chloride	500gm	4	
74	Fehling A	500ml	5	
75	Fehling B	500ml	5	
76	n-Hexane	500ml	2	
77	Potassium chloride	500gm	1	

78	Chromium sulphate	500gm	1	
79	Triethylamine	500ml	1	
80	Camphor	100gm	1	
81	Copper acetate	500gm	1	
82	Malanitrile	100gm	2	
83	Anthranilic acid(4-Aminobenzoic acid)	100gm	5	
84	Phenolphthelain	100gm	2	
85	Potassium iodide	100gm	1	
86	Salicylic acid	500gm	2	
87	Silica gel G for TLC	500gm	2	
88	SILICA GEL 60-200 Mesh	500gm	2	
89	Sodium thiosulphate	500gm	2	
90	Ferric chloride anhydrous	500gm	2	
91	Anthracene	100gm	5	
92	DiPott. Hydrogen phosphate	500gm	1	
93	Acetylacetone	500ml	5	
94	Acrylamide	500gm	2	
95	Benzaldehyde for synthesis	500ml	2	
96	Sodium bi sulphite	500gm	1	
97	Benzoin	250gm	2	
98	Acetic anhydride	500ml	5	
99	Sodium metal	250gm	5	
100	Acetophenone	500ml	2	
101	Benzamide	500gm	2	
102	Ammonium bifluoride	500gm	2	
103	Sodium carbonate	500gm	2	
104	Picric acid	500gm	5	
105	Benzoyl chloride	500ml	2	
106	Ethylene diamine	500ml	5	
107	Barium chloride Extrapure	500gm	1	
108	Aluminum Nitrate	500gm	1	
109	Zinc Nitrate	500gm	1	
110	Sodium Sulphide Flakes Fused	500gm	1	
111	Sodium Oxalate	500gm	1	
112	Methyle red	25gm	2	
113	Methyl Orange Indicator Powder	100gm	2	
114	Dichloromethane	2.5 ltr	1	
115	Arginine	25gm	1	

116	Lysine	100gm	1	
117	Schiff's Reagent	500ml	2	
118	D-Fructose	500gm	1	
119	L-Ascorbic Acid	100gm	1	
120	Ninhydrin	10gm	2	
121	2-Aminophenol	250gm	1	
122	2-Naphthol	500gm	1	
123	Aluminium Chloride	500gm	2	
124	1-Naphthylamine	100gm	2	
125	Cobalt Sulphate	100gm	1	
126	Hydrogen peroxide	1 ltr	2	
127	Tetrahydrofuran	500ml	2	
128	Aluminium Oxide (activated basic)	500gm	1	
129	Acrylic acid	500ml	3	
130	Polyvinyl alcohol	100 g	1	
131	Ferric nitrate	500gm	2	
132	Benedicts Reagent	500ml	2	
133	Potassium Iodate	100gm	1	
134	Bromine Solution 0.05M	500ml	1	
135	Buffer tablet- 9 pH	10cap	1	
136	Nessler Reagent	100ml	1	
137	Buffer tablet- 4 pH	10cap	1	
138	Buffer tablet- 7 pH	10cap	1	
139	Pottasium hydroxide	500gm	4	
140	Labogen (Laboratory wash)	500gm	4	
141	N N Dimethyleaniline	500 ml	4	
142	Silver Nitrate P	50gm	2	
143	Sucrose	500gm	1	
144	Mangnese sulphate anhydrous	500g	1	
145	Sodium azide	100g	1	
146	Potassium dichromate	500g	1	
147	Silver sulphate	10g	1	
148	Ferroin indicator	100mL	1	
149	Caclcium chloride	1 kg	1	
150	ferric chloride hexahydrate	500g	1	
151	Magnicium sulphate heptahydrate	500g	1	
152	Eriochrome black T	25g	1	
153	Ammonia buffer	100 ml	2	

154	Anthrone reagent	25g	1	
155	4-chlorophenol	100g	1	
156	4-bromophenol	100g	1	
157	4-iodophenol	100g	1	
158	4-chlorobenzoic acid	100g	1	
159	4-bromobenzoic acid	100g	1	
160	4-iodobenzoic acid	100g	1	
161	4-chloroaniline	100g	1	
162	4-bromoaniline	100g	1	
163	4-iodoaniline	100g	1	
164	4-chloronitrobenzene	100g	1	
165	4-bromonitrobenzene	100g	1	
166	4-iodonitrobenzene	100g	1	
167	4-chlorobenzamide	100g	1	
168	4-bromobenzamide	100g	1	
169	4-iodobenzamide	100g	1	
170	4-chloroacetophenone	100g	1	
171	4-bromoacetophenone	100g	1	
172	4-iodoacetophenone	100g	1	

**DEPARTMENT OF CHEMISTRY: PART B: GLASSWARE**

<b>Sr. No.</b>	<b>Chemical/plastic ware/kit name</b>	<b>Require Pack size / weight / volume</b>	<b>Pack size</b>	<b>Require Qty.</b>
1	Beaker	(42*55) 50ml	1 PC	100
2	Beaker	(50*75) 100ml	1 PC	100
3	Beaker	250ml	1 PC	100
4	Beaker	500ml	1 PC	50
5	Conical flask	150ml	1 PC	50
6	Conical flask	250ml	1 PC	50
7	R. B. flask I/C joint, 24/29	100ml	1 PC	50
8	R. B. flask I/C joint, 24/29	250ml	1 PC	50
9	Volumetric flask	50ml	1 PC	50
10	Volumetric flask	100ml	1 PC	50
11	Volumetric flask	250ml	1 PC	50
12	Volumetric flask	1000ml	1 PC	10
13	Volumetric flask	500ml	1 PC	50
14	Funnel long stem	75mm	1 PC	20

15	Funnel long stem	100mm	1 PC	50
16	Test tube	15*125	1 PC	500
17	Test tube	18*150	1 PC	500
18	Condenser (liebig)	300mm 24/29	1 PC	10
19	boiling tube	25 ml	1 PC	5
20	Separating funnel	150 ml	1 PC	10
21	Pipette(graduated)	1ml	1 PC	20
22	pipette(graduated)	2ml	1 PC	10
23	pipette(graduated)	5ml	1 PC	10
24	pipette (volumetric)	5ml	1 PC	50
25	pipette (volumetric)	10ml	1 PC	50
26	Watch glass	100mm	1 PC	50
27	Burette 50 x 0.10 ml	50ml	1 PC	50
28	Measuring cylinder	10ml	1 PC	50
29	Measuring cylinder	50ml	1 PC	25
30	Reagent bottle	500ml	1 PC	50
31	TLC Chamber	150*100*50 mm	1 PC	20
32	Reagent bottle	250ml	1 PC	50
32	Reagent bottle	100ml	1 PC	50

**DEPARTMENT OF CHEMISTRY: PART C: LABORATORY-WARES**

<b>Sr. No.</b>	<b>Chemical/plastic ware/kit name</b>	<b>Require Pack size / weight / volume</b>	<b>Pack size</b>	<b>Require Qty.</b>
1	Ignition tube	Superior	100Pcs/Pack	20
2	pH paper (1-14)	Wide range	200lvs	30
3	Tongue	6"	1 PC	100
4	Tongue	8"	1 PC	100
5	Wire gauge	Superior	1 PC	100
6	Pipette sucker bulb	(medium)	1 PC	50
7	Capillary tube	Superior	100Pcs/Vial	50
8	Test tube holder	Delux	1 PC	200
9	Thermometer(mercury)	Delux 360oC(.5oC)	1 PC	20
10	Wall Thermameter Imported	Delux 100oC(.5oC)	1 PC	1
11	Viscometer	Ostwald	1 PC	50

12	Stalgnometer	straight	1 PC	50
13	Specific Gravity Bottle	10ml	1 PC	30
14	Test tube brush	Nylon	1 PC	100
15	Bottle Brush	Nylon	1 PC	25
16	Aluminium foil	100g	100gm	20
17	Glass rod	6"	1 PC	100
18	Glass rod	8"	1 PC	100
19	Glass Dropper	6"	1 PC	100
20	Spatula	6"	1 PC	100
21	Sand bath(copper)	5"	1 PC	70
22	Sand bath GI	5"	1 PC	50
23	Water bath(copper)	6"	1 PC	5
24	Mortal & Pastel	100mm	1 PC	5
25	China dish	80mm	1 PC	50
26	Plier	Taparia	1 PC	1
27	Chemical label	Book	1 PC	20
28	Three finger clamp	Heavy	1 PC	20
29	Screw driver with tester	Set of 6	1 Set	1
30	Rubber gloves	Red thick	1 pair	11
31	Pinch clips	Heavy type	1 PC	10
32	Dropping bottle	125ml	1 PC	20
33	Dropping bottle	60ml	1 PC	20
34	Wash bottle	500ml	1 PC	20
35	Funnel Plastic	50mm	1 PC	100
36	Separating funnel Plastic	250ml	1 PC	10
37	Burette Fisher's clamp	Single	1 PC	50
38	Silicon pipe	6mm	10Mtr./Pack	2
39	Magnetic bar	12mm	1 PC	50
40	Burette stand with clamp (heavy)		1 PC	50
41	Test tubes stand (plastic)	15mm / 24 holes	1 PC	50
42	Starch iodide paper	100leaves	200lvs	10
43	Lead Acetate Paper	100leaves	200lvs	10
44	Scissors stainless steel	8"	1 PC	4
45	Forceps	Standard	1 PC	10
46	Wash Bottle	250ml	1 PC	20
47	Tripod Stand	8" heavy	1 PC	200
48	Measuring Cylinder	10ml Plastic	1 PC	30

49	Measuring Cylinder	50ml Plastic	1 PC	30
50	Measuring Cylinder	100ml	1 PC	30
51	Gas Lighter	15cm		10
52	Drying tray ( 320 x 180 x 51 mm )	320*180*51	1PC	10
53	Ice Bath ( 300 x 180 x 100 mm )	300*180*100	1PC	20
54	Filter paper (Superior))	(Superior) white	1 Ream	5
55	TLC Chamber	150*100*50 mm	1 PC	20
56	Laboratory Hand Wiper	10"	1PC	20
57	Sintered glass crucible	G4	30 PC	30 pc
58	Silica crucible	25 ml volume	20 pc	20 pc
59	Thermometer(mercury)	Delux 200 C(.5oC)	1 PC	20
60	Teflon tape		5 pc	5 pc

#### 6. DEPARTMENT OF FORESTRY

Sr. No.	Chemical/plastic ware/Glassware/kit name	Require Pack size / weight / volume	Pack Size	Require Qty.
1	Beaker	100 ml	1 Nos	10
2	Beaker	1000 ml	1 Nos	10
3	BOD Bottle	300 ml	1 Nos	10
4	Burette	10 ml	1 Nos	1
5	Burette	50 ml	1 Nos	1
6	Burette Stand		1 Nos	1
7	Conical Flask	100 ml	1 Nos	10
8	Conical Flask	500 ml	1 Nos	10
9	Glass Rod (small)		1 Nos	1
10	Micro Pipette	10 ml	1 Nos	1
11	Measuring Cylinder	10 ml	1 Nos	2
12	Measuring Cylinder	50 ml	1 Nos	2
13	Measuring Cylinder	1000 ml	1 Nos	1
14	Pipette	5 ml	1 Nos	12
15	Pipette	10 ml	1 Nos	12
16	Round Bottom Volumetric Flask	1000 ml	1 Nos	10
17	Pipette	20 ml	1 Nos	12
18	Volumetric Flask	100 ml	1 Nos	10
19	Volumetric Flask	250 ml	1 Nos	10

20	Quartz Cuvette		1 Nos	1
21	Filter Paper		1 Nos	1
22	Seperating Funnel	500 ml	1 Nos	4
23	Test tube	15 x 125 mm	1 Nos	1
24	Test tube	25 x 150	1 Nos	1
25	Test tube holder ( Aluminum)		1 Nos	3
26	Acetone		5 lit	1
27	Ammonium Ferrous Sulphate		1 kg	1
28	Ammonium molybdate (AR grade)		500gm	1
29	Boric Acid		500gm	1
30	Bromocresol Green		500ml	1
31	Diphenylamine Indicator		250ml	1
32	Ferrous ammonium sulphate		2kg	1
33	Methyl red		500ml	1
34	Ortho phosphoric acid		1 Litter	1
35	Oxalic acid		500gm	1
36	Potassium permanganate		2 kg	1
37	Potassium dichromate		2 kg	1
38	Potassium Sulphate		1 kg	1
39	Phosphoric acid		250ml	1
40	Sulphuric acid conc		15litter	1
41	Ascorbic acid		100gm	1
42	Sodium hydroxide pellets		1 kg	1
43	Potassium permanganate		1 kg	1
44	Ammonium acetate		500 kg	1
45	Test sieve set		2 sets	2

### 7. DEPARTMENT OF CIVIL ENGINEERING

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack Size	Require Qty.	
2	Starch Soluble	500 gm	1	
3	Sodium Thiosulphate	1 Kg	1	
4	Potassium Hydroxide pallets	1 Kg	1	
5	Potassium Iodide	250 gm	1	
6	Sodium Azide	500gm	1	
7	Manganese Sulphate (Monohydrate)	1 Kg	1	
8	Formaldehyde Solution	500 ml	1	
9	Sulphuric Acid	2.5 Lt	1	
10	Phenolphthalein (Indicator) Solution	500 ml	1	



11	Methyl Orange (Indicator) Solution	500 ml	1	
12	Silver Nitrate	25 gm	1	
13	Potassium Chromate	250 gm	1	
14	EDTA Disodium Salt	1 Kg	1	
15	Eriochrome Black T	100 gm	1	
16	Ammonia Buffer solution	1 Lt	1	
17	Aluminium Sulphate	1 Kg	1	
18	Ferric Chloride	1 kg	1	
19	Buffer Solution pH 4.0	1 lt	1	
20	Buffer Solution pH 7.0	1 lt	1	
21	Buffer Solution pH 9.0	1 lt	1	
22	Litmus Blue Indicator Paper	10 Pkt	1	
23	Litmus Red Indicator Paper	10 Pkt	1	
24	Hydrazine Sulphate	100 gm	1	
25	Hexamine (Hexamethylene Tetramine)	1 Kg	1	
26	Filter Paper Grade 42	10 Pkt	1	
27	Sodium Silicate Gel	20 Kg	1	
28	Spirit	5 lt	1	
29	Pycnometer Flask 1000 lt	1 Nos	3	
30	Burette Stand	1 Nos	5	
31	Burette 50 ml	1 Nos	2	
32	Measuring Cylinder 1000 ml	1 Nos	4	
33	Beaker 1000 ml	1 Nos	6	
34	Beaker 500 ml	1 Nos	6	
35	Conical Flask 250 ml	1 Nos	6	
36	Conical Flask 500 ml	1 Nos	6	
37	Reagent Bottle Dark colour 1000 ml	1 Nos	4	
38	Funnel 25 mm dia	1 Nos	5	
39	Funnel 50 mm dia	1 Nos	5	
40	Graduted Pipette 1 ml	1 Nos	1	
41	Graduted Pipette 10 ml	1 Nos	1	
42	Volumetric Flask 1000 ml	1 Nos	2	
<b>8. DEPARTMENT OF FORENSIC SCIENCE</b>				
<b>Sr. No.</b>	<b>Chemical/plastic ware/Glassware/kit name</b>	<b>Pack size</b>	<b>Require Qty.</b>	
1	Ethenol	500 ml	10	
2	Agarose	500gm	1	
3	Isopropanol	2.5L	1	

4	Silver Nitrate	25g	1	
5	Iodine pellets	25g	4	
6	Fingerprint ink black paste tube	3	3	
7	Fingerprint rollers Rubber rollers 4"	3	3	
8	Fingerprint rollers Rubber rollers 6"	3	3	
9	Fingerprint brush Ostrich feather brush	5	5	
10	Fingerprint all purpose brush/powder applicator	2	2	
11	Fingerprint Regular Powder (Black)	1 kg	1	
12	Fingerprint Regular Powder (Grey)	1 kg	1	
13	Fingerprint Regular Powder (Red)	1 kg	1	
14	Fingerprint Fluorescent Powder (Silver)	1 kg	1	
15	Fingerprint Fluorescent Powder (Red)	1 kg	1	
16	Fingerprint Fluorescent Powder (Yellow)	1 kg	1	
17	Magnetic Powder for Fingerprints (Black)	1 kg	1	
18	Magnetic Powder for Fingerprints (Silver)	1 kg	1	
19	Fingerprint lifting tape 2"	1	2	
20	Fingerprint lifting tape 4"	1	2	
21	Measuring tape (50 meter)	1	2	
22	Fingerprint powder sprayer/Atomiser	1	2	
23	Magnetic Brush	1	2	
24	Perchloric Acid	2.5 L	3	
25	Nitric Acid	2.5 L	4	
26	Sulfuric Acid	2.5 L	2	
27	Dithiothreitol	25g	1	
28	Giemsa Stain solution	500 ml	1	
29	Formalin	5000 ml	1	
30	Nylon Filter (52 micro meter)	100 pcs	2	
31	Sodium acetate buffer(pH 5.5) ER	500gm	4	
32	pentane ER	500ml	2	
33	chloroform ER	2.5L	2	
34	Dodecane	100 ml	1	
35	Silica Gel 60-120 Mesh ER	500gm	4	
36	Dichloromethane ER	2.5L	1	
37	Isoamyl Alcohol	100 ml	1	
38	N-hexane ER	2.5L	1	
39	3,3-Diamino Benzidine Base	5g	1	
40	N-Cetyl-N,N,N-Trimethyl Ammonium	100g	2	

	Bromide (CTAB)			
41	HEPES Buffer	100g	1	
42	Piperazine-1,4-Bis (2-Ethane Sulphonic Acid) (Pipes Buffer)	25g	1	
43	MES Monohydrate	25g	1	
44	L-Glutathione Reduced	5gm	1	
45	Bradford Reagent	500 ml	1	
46	Phenol solution (equilibrated 10mM Tris pH-8.0)	100ml	1	
47	MOPS buffer	25gm	1	
48	Safranin 1%	125 ml	1	
49	Serotonin ELISA Kit	Kit	1	
50	Dopamine ELISA Kit	Kit	1	
51	Radial immuno diffusion teaching Kit	Kit	1	
52	6 Well Culture Plate Sterile	100 Nos	1	
53	Centrifuge tube 15 ml (Autoclavable)	100 Nos	5	
54	Centrifuge tube 50 ml (Autoclavable)	100 Nos	5	
55	Test Tube Stand	1 Nos	3	
56	Beaker borosilicate 50ml	1 Nos	10	
57	Beaker borosilicate 100ml	1 Nos	20	
58	Beaker borosilicate 250ml	1 Nos	20	
59	Beaker borosilicate 500ml	1 Nos	10	
60	Conical Flask (Borosilicate)(Erlenmeyer) 250ml	1 Nos	20	
61	Conical Flask (Borosilicate) (Erlenmeyer) 500ml	1 Nos	20	
62	MEASURING CYLINDERS (Borosilicate) 100ml	1 Nos	2	
63	MEASURING CYLINDERS (Borosilicate) 500ml	1 Nos	2	
64	Beakers, Polypropylene, Autoclaveable 100 ml	1 Nos	10	
65	Beakers, Polypropylene, Autoclaveable 250 ml	1 Nos	25	
66	Beakers, Polypropylene, Autoclaveable 500 ml	1 Nos	5	
67	MEASURING CYLINDERS ( Polypropylene) 100ml	1 Nos	5	
68	MEASURING CYLINDERS ( Polypropylene) 500ml	1 Nos	5	
69	Dropper, with rubber teat 15 cm.	1 Nos	10	

70	1.5 ml Microcentrifuge tubes	500 Nos	10	
71	0.2-1.0 ml Microtips clear	500 Nos	10	
72	0.02-0.2ml Microtips clear	1000 Nos	10	
<b>9. DEPARTMENT OF EDUCATION</b>				
<b>Sr. No.</b>	<b>Chemical/plastic ware/Glassware/kit name</b>	<b>Require Pack size / weight / volume</b>	<b>Pack size</b>	<b>Require Qty.</b>
1	Multiple Intelligence Test By Surbhi Agrawal And Suraksha Pal	2 (01-HINDI AND 01-ENGLISH)	1 Nos	2
2	Jalota Group Test Of General Mental Ability	01 ENGLISH	1 Nos	1
3	Emotional Intelligence Scale By A.K.Singh And Shruti Narain	2(01-HINDI AND 01-ENGLISH)	1 Nos	2
4	Short Term Memory (S.T.M.-Ab) — B. B. Asthana (English)	02 ENGLISH	1 Nos	2
5	Long Term Memory (L.T.M.-Ab) — B. B. Asthana (English)	02 ENGLISH	1 Nos	2
6	Span Of Immediate Memory : (Sim-B) Auditory And Visual. Hindi / English	2 (01-HINDI AND 01-ENGLISH)	1 Nos	2
7	Teachers Emotional Intelligence Inventory By Shubhra Agrawal	2 (01-HINDI AND 01-ENGLISH)	1 Nos	2
8	Spiritual Intelligence Test By K.S. Mishra	2 (01-HINDI AND 01-ENGLISH)	1 Nos	2
9	Logical Thinking Test By Sujeet Kumar And Shikha Tiwari	2(01-HINDI AND 01-ENGLISH)	1 Nos	2
10	Career Maturity Inventory By Nirmala Gupta	2(01-HINDI AND 01-ENGLISH)	1 Nos	2
11	Sustainable Habits Scale By Sona Dixit	2(01-HINDI AND 01-ENGLISH)	1 Nos	2
12	Guidance Needs Inventory By J.S.Grewal	2(01-HINDI AND 01-ENGLISH)	1 Nos	2
13	Attitude Scale Towards Research By Vishal Sood ,Y.K.Sharma	2(01-HINDI AND 01-ENGLISH)	1 Nos	2

14	Big Five Personality Inventory By K.S.Mishra	2(01-HINDI AND 01-ENGLISH	1 Nos	2
15	Dimentional Personality Inventory By Mahesh Bhargawa	2(01-HINDI AND 01-ENGLISH	1 Nos	2
16	Locus Of Control Scale By Sanjay Vohra	2(01-HINDI AND 01-ENGLISH	1 Nos	2
17	General Wellbeing Scale By	2(01-HINDI AND 01-ENGLISH	1 Nos	2
18	Cyber Crime Awareness Scale By P S. Rajasekar.	2(01-HINDI AND 01-ENGLISH	1 Nos	2
19	Cyber Etiquette Scale By P Santhosh T. And Thiyagu	01 ENGLISH	1 Nos	1
20	Internet And Social Networking Sites Attitude Scale By Subhas Sarkar	01 ENGLISH	1 Nos	1
21	Life Style Scale By S.K. Bawa	2(01-HINDI AND 01-ENGLISH	1 Nos	2
22	Life Skill Scale By Chandra Kumar And Ayushi Tripathi	2(01-HINDI AND 01-ENGLISH	1 Nos	2
23	Social Skills Problem Behaviour Check List By Madhuri Mathur	2(01-HINDI AND 01-ENGLISH	1 Nos	2
24	Teacher's Sense Of Humour Scale By P.U.Mallik	01 ENGLISH	1 Nos	2
25	Psychological Counselling Need Scale By Vijay Lakshmi Chouhan	2(01-HINDI AND 01-ENGLISH	1 Nos	2
26	Self Regulated Learning Scale By P Madhu Gupta	2(01-HINDI AND 01-ENGLISH	1 Nos	2
27	Teacher's Techno-Pedagogical Competence Scale by S.Rajshekhar	2(01-HINDI AND 01-ENGLISH	1 Nos	2
28	Learning Style Inventory By K.S.Mishra	2(01-HINDI AND 01-ENGLISH	1 Nos	2

29	Feminist Identity Test by s.k. Bawa and Neeraj Sharma	2(01-HINDI AND 01-ENGLISH	1 Nos	2
30	Environmental Awareness Ability Measure by Praveen ku Jha	2(01-HINDI AND 01-ENGLISH	1 Nos	2
31	Photo articulation test (PAT)	3	1 Nos	3
32	Tuning forks (256 Hz, 512 Hz, 1024 Hz) with rubber pad	2	1 Nos	2
33	Linguistic profile test (LPT)	3	1 Nos	3
34	Development screening test (DST)	2	1 Nos	2
35	Vineland social maturity scale (VSMS)	2	1 Nos	2

#### 10. DEPARTMENT OF ZOOLOGY: PART A: CHEMICALS

Sr. No.	Chemical/plastic ware/Glassware/kit name	Pack size	Require Qty.	
1	D-Glucose GOD-POD, colorimetric method	Kit	1	
2	Cholesterol Total	Kit	2	
3	HDL cholesterol	Kit	1	
4	Triglycerides	Kit	1	
5	Amino Acid F reagent solution	100 ml	1	
6	Copper sulphate extra pure	500 g	2	
7	sodium hydroxide	500 g	3	
8	sodium-potassium tartrate extra pure	500 g	1	
9	Folin-Ciocalteu reagent	500 ml	2	
10	Coomassie-Brilliant blue G250	5 g	1	
11	phosphoric acid 85%	500 ml	1	
12	Glycerol 99.5% pure mol biol grade	500 ml	1	
13	Sodium carbonate	500 g	1	
14	Genomic DNA purification kit	100 prep	1	
15	20x TE buffer	25 ml	1	
16	40*TAE	1000ml	1	
17	Ethidium Bromide	10ml	1	
18	100 bp DNA Ladder	100ugm	1	
19	DNA 6X loading dye(bromophenol blue,xylene cyanol)	Pkt	1	
20	GoTaq green Taq master mix	100 reactions	1	
21	Agarose	500gm	1	
22	Disarticulated bones	Set	1	

	(Fish, Amphibia, Reptiles, Birds, Mammal			
23	ABD Blood Group Test Kit	3x10ml	3	
24	Hydrochloric acid solution	1000ml	1	
25	Schiff's Reagent	500ml	1	
26	Counterstain	125ml	1	
27	Acetic acid, Glacial ( 0.2m acetic acid )	1000ml	2	
28	Sodium acetate anhydrous (0.2m sodium acetate)	250g	1	
29	Methyl green	25gm	1	
30	0.2m acetate buffer solution PH 4.2	500ml	1	
31	Pyronin Y, (10% XYLENE)	5gm	1	
32	Acetone	2500ml	1	
33	Periodic acid solution 1gm/dl	100gm	1	
34	Haematoxylin solution	125ml	1	
35	Bromophenol blue stain	25g	1	
36	Mercuric chloride (HgO <sub>2</sub> )	100gm	1	
37	0.5% Acetic acid solution	1000ml	1	
38	Phosphate Buffer solution (PBS)	500ml	1	
39	Butanol	2500ml	1	
40	Xylene	2500ml	1	
41	DPX	1000ml	1	
42	Tris Buffer	500 gms	1	
43	TBA	100 gm	1	
44	TCA	500 gms	1	
45	GR	100 units	1	
46	GSSG	1 gm	1	
47	GSH	25 gm	1	
48	Beta-NADPH	100 mg	1	
49	Bet-NADP disodium	100 mg	1	
50	Sulfuric Acid	2500 ml	1	
51	AST	Kit	1	
52	ALT	Kit	1	
53	ALP	Kit	1	
54	GGT	Kit	1	
55	LDH	Kit	1	
56	UREA	Kit	1	
57	Uric acid	Kit	1	
58	Creatinine	Kit	1	

59	Creatinine kinase	Kit	1	
60	Bilirubin	Kit	1	
61	Glucose	Kit	1	
62	Total protein	Kit	1	
63	Ammonium molybdate	100gm	1	
64	Anhydrous ammonium chloride	500gm	2	
65	Anhydrous potassium nitrate	500gm	2	
66	Barium chloride	500gm	1	
67	Calcium carbonate	500gm	1	
68	Conc. Hydrochloric acid	500ml	1	
69	Conc. Nitric acid	500ml	1	
70	Conc. Sulphuric acid	500ml	1	
71	EDTA Magnesium salt	500gm	2	
72	Giemsa	25gm	1	
73	Manganous Sulphate	500gm	1	
74	Methylene blue	500 ML	1	
75	Oxalic acid	500gm	1	
76	Phenolphthalein indicator	125ml	1	
77	Potassium chromate	500gm	1	
78	Potassium Hydroxide	500gm	1	
79	Potassium sulphate	500gm	1	
80	Silver nitrate	10g	1	
81	Sodium Azide	100 gm	1	
82	Sodium Chloride	500 gm	1	
83	Sodium Thiosulphate	500gm	1	
84	Stannous chloride	100gm	1	
85	Sucrose	500 gm	2	
86	Sudan Black	25 gm	1	
87	Triethanol amine	500ml	1	
88	Tris Base	100gm	1	
89	Zinc sulphate	500gm	1	
90	Beta endorphin	250 ug	1	
91	Bromo-alpha- ergocryptine (non selective D2/D3 agonist)	25 mg	1	
92	Charcoal Activated	500 ml	2	
93	DMSO	500 ml	4	
94	Epinephrine hydrochloride	5 g	1	
95	Fetal Bovine Serum	3x100 ml	1	



96	Filter paper	Pkt	14	
97	Heparin	40000 IU	2	
98	Human thyroid stimulating hormone ELISA kit	Kit	1	
99	Lipopolysaccharide from Escherichia coli	10 mg	1	
100	L-Norepinephrine hydrochloride	100 mg	1	
101	Lysis buffer	50ml	1	
102	MTT	100 mg	2	
103	Naltrexone (non selective opioid receptor blocker)	5 g	1	
104	NBT	200 mg	2	
105	Orthophosphoric Acid	500 ml	3	
106	RPMI 1640 media	500 ml	1	
107	RPMI-1640 (Powder)	1 L	2	
108	Tricainemethanesulphonate (MS-222)	10 g	1	
109	Tris HCL	100 g	6	
110	Yeast Extract	100 G	1	
111	Yeast powder	1.0 Kg	1	
112	CDNB (1-chloro-2,4-dinitrobenzene)	10 g	1	
113	NADPH.Na4	10 g	1	
114	Di ethyl ether	10 g	2	
115	Methanol	10 g	3	
116	DTNB	10 g	2	
117	Normal melting agarose	10 g	1	
118	Glutathione reduced	10 g	1	
119	Pyrazole	10 g	1	
120	Thiobarbituric Acid	10 g	1	
121	Rectified Sprit	10 g	1	
122	Permanent slides of nervous tissue (neurons and neuroglia, different parts of brain)	10 g	1	
123	Aluminium chloride anhydrous sublimed (AlCl3)	10 g	1	
124	Butylated Hydroxytoluene (BHT) pure, 99%	10 g	1	
125	Ninhydrin extrapure AR, 99%	10 g	1	
126	Tarson 583250 Polypropylene 10 Ltr Carboy	10 g	2	
127	V S OF SKIN OF FROG	1 Nos	5	
128	T S OF LIVER OF LIZARD	1 Nos	5	
129	T S OF LIVER OF FROG	1 Nos	5	
130	T S OF PANCREAS OF FISH	1 Nos	5	

131	T S OF PANCREAS OF FROG	1 Nos	5	
132	T S OF DUODENUM FISH	1 Nos	5	
133	T S OF DUODENUM OF FORG	1 Nos	5	
134	T S OF DUODENUM OF REPTILES	1 Nos	5	
135	T S OF DUODENUM OF BIRDS	1 Nos	5	
136	T S OF DUODENUM OF MAMMALS	1 Nos	5	
137	T S OF STOMACH OF FISH	1 Nos	5	
138	T S OF STOMACH OF FROG	1 Nos	5	
139	T S OF STOMACH OF REPTILES	1 Nos	5	
140	T S OF STOMACH OF BIRDS	1 Nos	5	
141	T S OF STOMACH OF MAMMALS	1 Nos	5	
142	T S OF KIDNEY OF FISH	1 Nos	5	
143	T S OF KIDNEY OF FROG	1 Nos	5	
144	T S OF KIDNEY OF REPTILES	1 Nos	5	
145	T S OF KIDNEY OF BIRDS	1 Nos	5	
146	T S OF KIDNEY OF MAMMALS	1 Nos	5	
147	T S OF HEART OF FISH	1 Nos	5	
148	T S OF HEART OF FROG	1 Nos	5	
149	T S OF HEART OF REPTILES	1 Nos	5	
150	T S OF HEART OF BIRDS	1 Nos	5	
151	T S OF HEART OF MAMMALS	1 Nos	5	
152	T S OF LUNGS OF FISH	1 Nos	5	
153	T S OF LUNGS OF FROG	1 Nos	5	
154	T S OF LUNGS OF REPTILES	1 Nos	5	
155	T S OF LUNGS OF BIRDS	1 Nos	5	
156	T S OF LUNGS OF MAMMALS	1 Nos	5	
157	T S OF TESTIS OF FISH	1 Nos	5	
158	T S OF TESTIS OF FROG	1 Nos	5	
159	T S OF TESTIS OF REPTILES	1 Nos	5	
160	TS OF TESTIS OF BIRDS	1 Nos	5	
161	TS OF TESTIS OF MAMMALS	1 Nos	5	
162	T S OF OVARY OF FISH	1 Nos	5	
163	T S OF OVARY OF FROG	1 Nos	5	
164	T S OF OVARY OF REPTILES	1 Nos	5	
165	T S OF OVARY OF BIRDS	1 Nos	5	
166	T S OF OVARY OF MAMMALS	1 Nos	5	
167	STRIATED MUSCLES	1 Nos	5	
168	NON STRIATED MUSCLES	1 Nos	5	

169	NON STRIATED MUSCLES	1 Nos	5	
170	DROSOPHILLA WILD TYPE MUTANT BLACK BODY, EYE COLOR, EYE SHAPE	1 Nos	5	
171	CELL DIVISION- LEPTOTENE, ZYGOTENE, PACHYTENE ,DIPLLOTENE,DYKINESIS, PROPHASE, ANAPHASE,METAPHASE, TELOPHASE	1 Nos	5	
172	PITUITARY GLAND	1 Nos	5	
173	HYPOTHALAMUS	1 Nos	5	
174	PINEAL GLAN	1 Nos	5	
175	ENDOCRINE GLANDS OF FROG, LIZARDS, REPTILES, FISH	1 Nos	5	

**DEPARTMENT OF ZOOLOGY: PART B: GLASSWARE AND PLASTIC WARE**

176	Beaker 250mL	1 Nos	1	
177	Beaker 50mL	1 Nos	1	
178	Beaker, Griffin 100 ml	1 Nos	20	
179	Cotton	1 Nos	10	
180	Couplin Jar	1 Nos	10	
181	Cover slip with cyto seal 60 (22x60mm)	1 Nos	10	
182	GLASS PIPPTE 5 ML	1 Nos	20	
183	GLASS PIPPTE 1 ML	1 Nos	50	
184	GLASS PIPPTE 25 ML	1 Nos	1	
185	Glass slides, ground edges	1 Nos	2	
186	Micro tip 200µl	1 Nos	10	
187	Micro tip 1000µl	1 Nos	10	
188	Slides Staining Jar	1 Nos	5	
189	Microtest Plate Flat Bottom	1 Nos	1	
190	Rectangular Cover Glass 22x60mm	Pkt	1	
191	Frosted Slides	Pkt	1	

**11. DEPARTMENT OF BOTANY: PART A: LIST OF CHEMICALS**

Sr. No.	Chemical/plastic ware/kit name	Pack size	Require Qty.	
1.	Acetic acid glacial	500ml	2	
2.	Acetocarmine	100ml	4	
3.	Acetone	2.5L	2	
4.	Agar	500gm	1	
5.	Agarose	10 gm	1	
6.	Azure B dye	5gm	1	

7.	Boric acid	500gm	1	
8.	Bromocresol purple, Practical grade	25gm	1	
9.	Bromophenol blue	25gm	1	
10.	Calcium carbonate	500gm	1	
11.	Calcium chloride	500gm	1	
12.	Calcium Sulphate	500gm	1	
13.	Casein, Hi-LR	500gm	1	
14.	Cefixime	5VL	1	
15.	Chloroform	500 ml	1	
16.	Cobalt nitrate	100gm	1	
17.	Colchicine	1 gm	1	
18.	Congo Red	10gm	1	
19.	Copper sulphate	250gm	1	
20.	Cotton blue	25gm	2	
21.	CTAB	100 gm	1	
22.	Cyclohexane	500ml	1	
23.	Dextrose	500gm	1	
24.	di-Sodium tartrate dehydrate, AR	500gm	1	
25.	Erythromycin	5VL	1	
26.	Ethanol	2.5L	2	
27.	Ethyl acetate AR	2.5L	1	
28.	Fast Green	125ml	2	
29.	Ferric chloride hexahydrate	250gm	1	
30.	Ferric citrate Monohydrate	250gm	1	
31.	Ferrous ammonium sulphate, hexahydrate	500gm	1	
32.	Ferrous sulphate, dried	500gm	1	
33.	Folin & Ciocalteu's phenol reagent	500 ml	1	
34.	Fomaldehyde solution 37-41%	2.5L	1	
35.	Gallic acid, monohydrate	500gm	1	
36.	Gelatin	500gm	2	
37.	Gentamycin	5VL	2	
38.	Glycerol	500ml	1	
39.	Glycine	100gm	1	
40.	Hydrochloric acid	2.5lt	1	
41.	Indole-3-Acetic Acid	25gm	1	
42.	Kanamycine	5VL	2	
43.	Kinetinehy	5gm	1	
44.	Lactophenol cotton blue	500ml	1	

45.	Lactose monohydrate, sterile	500 gm	1	
46.	L-Ascorbic acid	100 g	1	
47.	Macchoney agar	500 gm	1	
48.	Malt Extract	500gm	1	
49.	Mercuric chloride	100gm	1	
50.	Methanol	2.5L	2	
51.	Methyl red	10gm	1	
52.	Methylene blue, trihydrate	25gm	1	
53.	Muller Hinton broth	500gm	1	
54.	Ninhydrin	10gm	2	
55.	Nitric Acid	2.5L	2	
56.	Nutrient broth	500 gm	1	
57.	Peptone	500gm	1	
58.	Phenol	500gm	1	
59.	Phosphomolybdic acid	25gm	1	
60.	Polyethylene glycol – 4000	500gm	2	
61.	Potassium dichromate	500gm	1	
62.	Potassium hydrogen sulphate	500gm	2	
63.	Potassium hydroxide	500gm	2	
64.	Potassium Nitrate	500gm	1	
65.	Potato dextrose broth	500gm	1	
66.	Safranine	125ml	5	
67.	Silica Gel for TLC	500gm	2	
68.	Silica gel HF 254 for TLC	500 gm	1	
69.	Silver nitrate	25gm	1	
70.	Sodium acetate anhydrous	500gm	1	
71.	Sodium alginate	100gm	1	
72.	Sodium azide	500gm	1	
73.	Sodium hydroxide	500gm	2	
74.	Sodium hypochlorite	5x100ml	1	
75.	Sodium molybdate dehydrate	100gm	1	
76.	Sodium sulphate anhydrous, Hi-AR	500gm	1	
77.	Sodium sulphite dihydrous	500gm	1	
78.	Sodium thiosulphate	1kg	1	
79.	Sodium tungstate Dihydrate, AR	100gm	1	
80.	Streptomycin	5VL	1	
81.	Strach	500gm	1	
82.	Sucrose	500gm	1	

83.	Sulfuric acid Pure, AR	2.5 lt	1	
84.	Tannic acid powder	100gm	1	
85.	Tris buffer	500 gm	1	
86.	Xylene	500ml	2	
87.	Yeast extract	500 gm	1	
88.	Zinc acetate, dehydrate, AR	500gm	1	
89.	Zinc chloride	100gm	1	
90.	Zinc oxide, AR	500gm	1	
91.	Zinc sulphate	500gm	1	
92.	Borax	500g	1	
93.	Disodium tetra borate	500g	1	
94.	Tween 80	500ml	1	
95.	Alpha naphthyl amine	500g	1	
96.	PEG-4000	500g	1	
97.	PEG-4000	500g	1	
98.	pH Tablets (4,7,9)		1	
99.	Dibasic sodium sulphate	500g	1	
100.	DAPI	1g	1	
101.	NADH	100g	1	
102.	NADPH	50g	1	
103.	Auric Chloride	100g	1	
104.	Methyl viologen	250g	1	
105.	Dithioerythritol	500g	1	
106.	Sodium phosphate monobasic	500g	1	
107.	Sodium phosphate dibasic	500g	1	
108.	Calcium hydrogen phosphate	500g	1	
109.	Potassium sulphate	500g	1	
110.	Oxoglutarate	250g	1	
111.	Tris-HCL buffer	500g	1	
112.	Sodium dithionate bicarbonate	500g	1	
113.	L-Glutamine	100g	1	
114.	Sodium Pyruvate	500g	1	
115.	Sodium bicarbonate	500g	1	
116.	Quercetin	250g	1	
117.	Disodium EDTA	500g	1	
118.	Kovacs Reagent	500ml	1	

119.	Potassium Nitrite	500g	1	
120.	Potassium Nitrate	500g	1	
121.	Sodium sulphate	500g	1	
122.	Guaiacol	500ml	1	
123.	Dihydrogen phosphate monobasic	500g	1	
124.	Dihydrogen phosphate dibasic	500g	1	
125.	Oxaloacetic acid	500g	1	
126.	Perchloric acid	500ml	1	
127.	Reverse transcriptase	1	1	
128.	RNA isolation kit	1	1	
129.	MS media	500 g	1	
130.	Agar powder	500 g	1	
131.	ABA	5g	1	
132.	Methyl viologen	10 g	1	
133.	Salicylic Acid	100 g	1	
134.	PEG	100 g	1	
135.	Plant DNA isolation kit	2	2	
136.	CTAB Extraction solution	1 L	1	
137.	RNAase	1	1	
138.	Oligo primers for plants	2.5 liter	10	
139.	Acetic acid AR	1 liter	1	
140.	Chloroform AR	500 gm	1	
141.	Copper sulphate monohydrate	500 ml	1	
142.	Dichloromethane	500 gm	1	
143.	Ferric chloride	500 gm	1	
144.	Gelatin extra pure	500 ml	1	
145.	Glacial acetic acid	2.5 liter	1	
146.	Hydrochloric acid AR	100 gm	1	
147.	Iodine AR	500 gm	1	
148.	Lead acetate	250 gm	1	
149.	Magnesium acetate tetra hydrate	500 gm	1	
150.	Potassium hydroxide	2x25 gm	1	
151.	Potassium iodide	250 ml	1	

152.	Pyridine	100 gm	1	
153.	Resorcinol AR	500 gm	1	
154.	Sodium acetate AR	500 gm	1	
155.	Sodium carbonate AR	500 gm	1	
156.	Sulphur powder	500 gm	1	
157.	Sodium hydrogen sulphate	500gm	1	
158.	Barfoed's reagent	125 ml	1	
159.	Benedict's reagent	500 ml	1	
160.	Biuret reagent	125 ml	1	
161.	Dragendorff's reagent	125 ml	1	
162.	Fehling soln. A	500 ml	1	
163.	Fehling soln. B	500 ml	1	
164.	Magnesium ribbon	25 gm	1	
165.	Sodium hydroxide AR	500 gm	1	
166.	Millon's reagent	125 ml	1	
167.	Mollisch reagent	125 ml	1	
168.	Selivaoff's reagent	125 ml	1	
169.	Wagner's reagent	125 ml	1	
170.	Phenolphthalein reagent	125 ml	1	
171.	Methanol	5 liter	1	
172.	Acetone	2.5 lit.	1	
173.	Crystal violet	125 ml	1	
174.	50 X TAE	500 ml	1	
175.	50 X TBE	500 ml	1	
176.	Potassium ferricyanide	100 gm	1	

**DEPARTMENT OF BOTANY: PART B: GLASSWARE**

<b>Sr. No.</b>	<b>Chemical/plastic ware/kit name</b>	<b>Pack size</b>	<b>Require Qty.</b>	
1.	Aluminium foil	Box	5	
2.	Appendorf tube	500 Nos	1	
3.	Appendorf tube	500 Nos	1	
4.	Appendorf tube	500 Nos	1	
5.	Autoclavable polybag	2000 Nos	1	
6.	Autoclave indicator tape	Roll	1	
7.	Beaker (250ml)	1 Nos	5	



8.	Beaker (500ml)	1 Nos	5	
9.	Beaker (50ml)	1 Nos	5	
10.	Beaker 1000ml	1 Nos	50	
11.	Beaker 100ml	1 Nos	100	
12.	Beaker 250ml	1 Nos	100	
13.	Beaker 500ml	1 Nos	50	
14.	Beaker 500ml	1 Nos	50	
15.	Beaker tong	1 Nos	50	
16.	Beaker100ml	1 Nos	50	
17.	Blotting paper	1 Nos	10	
18.	Blotting paper	1 Nos	50	
19.	BOD bottle 250 ml	1 Nos	50	
	BOD bottle 500 ml	1 Nos	100	
	Buchner Funnel(110)	1 Nos	25	
20.	Burette Set	1 Nos	25	
21.	Centrifuge tube 15ml	1 Nos	500	
22.	Centrifuge tube 50ml	1 Nos	500	
23.	Centrifuge tube(50ml)	1 Nos	500	
24.	Conical Flask (100 ml)	1 Nos	50	
25.	Conical Flask (1000 ml)	1 Nos	50	
26.	Conical Flask (250 ml)	1 Nos	100	
27.	Conical Flask (500 ml)	1 Nos	50	
28.	Cotton	Bundle	2	
29.	Cover slips	Pkt	20	

30.	Culture tube 50ml	1 Nos	50	
31.	Culture Tube with Screw 15 mlcap (30ml)	1 Nos	1000	
32.	Culture Tube with Screw 30 mlcap (10ml)	1 Nos	1000	
33.	Draining tray	1 Nos	50	
34.	Fixapette- (10ul, F10)	1 Nos	25	
35.	Fixapette- (50ul, F50)	1 Nos	25	
36.	Fixapette- (5ul, F5)	1 Nos	25	
37.	Funnel	1 Nos	10	
38.	Funnel (90dmm)	1 Nos	25	
39.	Funnel 100mm	1 Nos	50	
40.	Funnel 50mm	1 Nos	50	
41.	Glass Pipettes (10ml)	1 Nos	50	
42.	Glass Pipettes (25ml)	1 Nos	50	
43.	Glass pipettes (2ml)	1 Nos	100	
44.	Glass pipettes (5ml)	1 Nos	100	
45.	Glass slides (Frosted)	50 Nos	20	
46.	Glassware washing brush	1 Nos	50	
47.	gram stain kit	Kit	15	
48.	Hermetic bags 100 gm	1 Nos	300	

49.	Hermetic bags 250 gm	1 Nos	300	
50.	Hermetic bags 500 gm	1 Nos	300	
51.	Innoculation loop	1 Nos	50 pcs	
52.	Measuring Cylinder 100ml	1 Nos	50	
53.	Measuring Cylinder 250ml	1 Nos	50	
54.	Measuring Cylinder 500ml	1 Nos	20	
55.	Measuring cylinder 1000ml	1 Nos	20	
56.	Measuring Cylinder 1 L	1 Nos	5	
57.	Measuring Cylinder 100 ml	1 Nos	5	
58.	Measuring cylinder 1000ml	1 Nos	20	
59.	Measuring cylinder 100ml	1 Nos	20	
60.	Measuring Cylinder 250 ml	1 Nos	5	
61.	Measuring Cylinder 50 ml	1 Nos	10	
62.	Measuring Cylinder 500 L	1 Nos	5	
63.	Measuring cylinder 50ml	1 Nos	20	
64.	Measuring cylinder 10ml	1 Nos	20	
65.	Micro centrifuge tube 1.5ml	500 Nos	1	
66.	Micro centrifuge tube 2ml	500 Nos	1	
67.	Micro pipette 1 ml	1 Nos	20	

68.	Micro pipette 1-50 ml	1 Nos	20	
69.	Micro pipette 500 ml	1 Nos	20	
70.	Micro Tips (1000ul blue)	1000 Nos	10 pkt	
71.	Micro Tips(1000ul blue)	1000 Nos	50 pkt	
72.	Micro Tips(10ul)	1000Nos	10 pkt	
73.	Micro Tips(10ul)	1000 Nos	50 pkt	
74.	Micro tube box	1 Nos	4	
75.	Micropipette 1ml	1 Nos	10	
76.	Micropipette 500µl	1 Nos	10	
77.	Micropipette100µl	1 Nos	10	
78.	Microscopic glass slide	50 Slide	10	
79.	Parafilm M	4x125"	1	
80.	Parafilm tape	1 Nos	1	
81.	PCR kit	1 Nos	50	
82.	Petriplates (80 x17)	1 Nos	2000	
83.	Pipettes, Graduated (25mm cap)	1 Nos	100	
84.	Plastic tray	1 Nos	5	
85.	Powder funnel(100dmm)	1 Nos	25	
86.	Rack for micro tube	1 Nos	6	
87.	Reagent Bottle 500 ml	1 Nos	30	
88.	Reagent Bottles 100ml	1 Nos	50	
89.	Reagent Bottles 250 ml	1 Nos	50	
90.	Reagent Bottles 500 ml	1 Nos	50	
91.	Reversible rack	1 Nos	4	

92.	SEROLOGICAL PIPETTES 10 ml	1 Nos	50	
93.	Sieve different sizes	1 Nos	10	
94.	Stirring rod 12.5x12.5x5	1 Nos	25	
95.	Surgical Gloves	1 Nos	1000	
96.	Surgical Gloves	1 Nos	100	
97.	Syringe Filter Holder	50 Nos	2	
98.	Test Tube (18x150mm)	100 Nos	100	
99.	Test Tube 27ml	100 Nos	100	
100.	Test Tube Basket with cover	1 Nos	20	
101.	Test Tube Basket with cover	1 Nos	50	
102.	Test Tube Graduated, 50mm (25x200mm, 19/20 stopper)	1 Nos	1000	
103.	Test Tube Stand (31 places, 13 dmm)	1 Nos	25	
104.	Test Tube Stand (31 places, 13 dmm)	1 Nos	50	
105.	Test Tube Stand (62 places, 13 dmm)	1 Nos	25	
106.	Test Tube Stand (62 places, 13 dmm)	1 Nos	100	
107.	Test tube washing Brush	1 Nos	50	
108.	Test Tubes	1 Nos	2000	
109.	Tip Box, 200-1000 ul	1 Nos	10	
110.	Tip Box, 2-200 ul	1 Nos	10	
111.	Tips, 200-1000ul	1 Nos	500	
112.	Tips, 2-200ul	1 Nos	1000	
113.	Wash bottle	1 Nos	50	
114.	Whatman Filter paper – Grade 1 (11mm)	1 Nos	20	

115.	Whatman Filter paper Grade 4 (0.25 mm)	1 Nos	2	
116.	Whatman Filter paper Grade 5 (2.5mm)	1 Nos	2	
117.	Whatman Filter paper Grade 6 (3mm)	1 Nos	2	
118.	Whattman filter paper	1 Nos	50	
119.	Wide Mouth Bottle	1 Nos	12	
120.	Wide Mouth Bottle	1 Nos	12	
121.	Wide Mouth Bottle	1 Nos	6	
122.	90 mm sterile petri plate	1 Nos	300	
123.	1.5 ml tube	1 Nos	1000	
124.	2 ml tube	1 Nos	1000	
125.	PCR 0.2ml tube	1 Nos	1000	

## 12. DEPARTMENT OF CHEMICAL ENGINEERING

Sr. No.	Chemical/plastic ware/kit name	Pack size	Require Qty.	
1	Acetic Acid Glacial	500 ml	10	
2	Sodium Hydroxide Pellets	500 gm	10	
3	1-Decanol for Synthesis	500ml	2	
4	1-octanol (Spectrochem Pvt. ltd., 98 % purity)	2.5 lit	2	
5	2-methoxy phenol (Guaiacol)	2.5 lit	1	
6	2-Methyl Tetrahydrofuran pure, 98%	500ml	2	
7	Acetone (C <sub>3</sub> H <sub>6</sub> O) (wt%= 100, MW= 58 g/mole)	1000 ml	5	
8	Aliquat 336, 88%	250ml	2	
9	Ammonium chloride (NH <sub>4</sub> Cl) (MW= 53.49 g/mole)	500gm	2	
10	Ammonium molybdate tetrahydrate	100 gm	2	
11	Ammonium molybdate tetrahydrate (99.98 % purity)	100 gm	2	

12	Barium chloride (BaCl <sub>2</sub> ) 100 ML	100 gm	2	
13	Butyl Acetate pure, 99%	2500 ml	1	
14	Calcium Carbonate	5 kg	5	
15	Calcium chloride (CaCl <sub>2</sub> ) (MW= 110.99 g/mol)	100gm	5	
16	Carbon tetrachloride [CCl <sub>4</sub> ]	1 kg	5	
17	Cinnamic Acid AR	250gm	2	
18	Cobalt nitrate hexahydrate [Co(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O]	100 gm	2	
19	COD Solution A and B	1	1	
20	Congo Red	25 g	1	
21	Cyclopentyl Methyl Ether (CPME) extrapure AR, 99%	500ml	1	
22	Dextrose anhydrous purified (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> ) (MW= 180.16 g/mol)	1000 gm	1	
23	Dibutyl Ether AR	2500ml	1	
24	Diethyl Ether Assay (GC) 99.5%	2500ml	1	
25	Diisopropylether extrapure AR, 99%	500ml	5	
26	Diphenyl Ether	500ml	1	
27	D-Limonene	100gm	1	
28	Dodecane	100 ml	2	
29	Ethyl Acetate AR	2500ml	2	
30	Ethyl Lactate	500ml	2	
31	Ferroun Indicator	100 mL	2	
32	Ferrous Ammonium Sulfate	500 g	2	
33	Ferulic Acid pure, 98%	25gm	2	
34	Gallic Acid Assay (acidimetric) 98.0%	100gm	2	
35	Glutaraldehyde (C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> ) (25% LR, MW= 100.12 g/mole )	1000 ml	1	
36	Graphite Powder	500 gm	2	
37	Hexan-1-ol AR	500ml	2	
38	Hydrochloric Acid (1.18) Assay 35-38%	2500ml	2	
39	Hydrochloric Acid N/10	2500ml	5	
40	iso Amyl Alcohol for Synthesis	2500ml	1	
41	iso Propyl Alcohol AR	2500ml	2	
42	Kraft Lignin	100 gm	20	
43	Magnesium sulphate heptahydrate (MgSO <sub>4</sub> ·7H <sub>2</sub> O) (MW= 246.48 g/mol)	500 gm	2	

44	Manganese Sulfate Solution	500 g	2	
45	Menthol	250gm	1	
46	Mercury Sulfate	250 g	2	
47	Methanol AR	2500 ml	2	
48	Methyl Iso Butyl Ketone	2500ml	2	
49	Methyl Orange Indicator Solution	125ml	10	
50	Methylene Blue	10 g	1	
51	Nafion Membrane solution	15X15	1	
52	n-Butyl Acetate	500ml	2	
53	n-hexane (99.9%)	2.5 lit	2	
54	n-Hexane AR	500ml	2	
55	Nickel nitrate hexahydrate [Ni(NO <sub>3</sub> ) <sub>2</sub> 6H <sub>2</sub> O]	250 gm	1	
56	furfural (Alfa Aesar, 98 % pure)	250	1	
57	Orthophosphoric Acid	500 ml	2	
58	Phenolphthalein (Indicator Solution) 1% w/v	125ml	10	
59	Phenolphthalein pH Indicator	100gm	10	
60	Polyethylene Glycol	1000 ml	1	
61	Polyvinyl Alcohol	500 gm	2	
62	Potassium Dichromate	500 g	1	
63	Potassium dichromate (K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ) (anhydrous 99.5%, MW= 294.19 g/mol)	500 gm	2	
64	Potassium di-hydrogen ortho-phosphate (KH <sub>2</sub> PO <sub>4</sub> ) (MW= 136.09 g/mole)	500gm	2	
65	Potassium Iodide	250 g	1	
66	Salicylic Acid	100 g	1	
67	Silver sulfate	25 g	4	
68	Sodium aluminate	1 kg	1	
69	Sodium Azide	500 g	1	
70	Sodium bicarbonate (NaHCO <sub>3</sub> ) (MW= 84.007 g/mol)	500gm	2	
71	Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> ) 100 ML	5 kg	10	
72	Sodium hydroxide (NaOH) (MW= 39.997 g/mole)	1000 ml	1	
73	Sodium Hydroxide Pellets AR	500gm	5	
74	Sodium Iodide	100 g	2	
75	Sodium Thiosulfate Pentahydrate	500 g	1	
76	Potassium thiocyanate	500 gm	1	



77	Standardized solution of silver nitrate (0.02 N)	500 ml	1	
78	Starch soluble	500 g	1	
79	Sulfuric Acid	1000 mL	2	
80	Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> ) (wt%= 95-98, MW= 98.08 g/mole)	1000 ml	2	
81	Tetraethyl orthosilicate	25 gm	2	
82	Tetrapropylammonium hydroxide (TPAOH)	500 ml	1	
83	Thymol Crystal pure, 99%	500gm	1	
84	Vanillic Acid	100gm	1	
85	Zinc (II) nitrate hexahydrate [Zn(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O]	500	1	
86	Aluminum oxide, catalyst support, high surface area, Thermo Scientific Chemicals	1 kg	1	

### 13. DEPARTMENT OF ANTHROPOLOGY

Sr. No.	Chemical/plastic ware/kit name	Pack size	Require Qty.	
1	Anti Sera ABD Blood Grouping Reagent	3x10ml	3	
2	Hand Sanitizers, GEL & LIQUID based are widely used in hospitals, nursing homes, clinics and dispensaries.	500ml	5	
3	LAB QUALITY Super Taster Strips Test Kit With: Phenylthiourea (PTC), Sodium Benzoate, Thiourea, and Control (No Chemical) Genetic Taste Testing Vials of 100 (4 Total Vials)	4 Vials	5	
4	Stealodeal 90mm Black & Gold Magnifying Glass, Magnification: 10X	1 Nos	25	
5	Finger Print Ink black	1 Nos	4	
6	Finger Print Ink Roller	1 Nos	5	
7	Finger Print Ink Slab	1 Nos	4	
8	Sankalp Formalin 500ml	1 Nos	5	
9	Distilled water	1 Nos	2	

### 14. DEPARTMENT OF RURAL TECHNOLOGY: PART A: CHEMICALS

Sr. No.	Chemical/plastic ware/kit name	Pack size	Require Qty.	
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1.	Potassium per sulfate	500 gm	2	
2.	Methanol	2500 ml	3	
3.	2,2 –azinobis (3-ethylbenzothiazoline-6 sulfonic acid)ABTS	1 gm	1	
4.	DPPH	1 gm	1	
5.	Hydrogen Peroxide	100 ml	5	
6.	Nitric acid	2.5 liit	1	
7.	Sulfuric acid	2.5lit	2	
8.	Ninhydrin reagent	10gm	1	
9.	Acetone	2.5l	1	
10.	Benedict Reagent	500ml	1	
11.	Fehling reagent (A & B)	500ml (A)	2	
		500ml(B)	2	
12.	Potassium iodide	250 gm	2	
13.	Iodine	5 gm	1	
14.	Mercuric Chloride	100 gm	1	
15.	Picric Acid	500 ml	3	
16.	Ferric chloride	500g	3	
17.	Chloroform	500 ml	2	
18.	Sodium hydroxide	500g	3	
20.	Folin- Ciocalteu reagent	100 ml	2	
21.	Sodium carbonate	500g	5	
22.	Gallic acid	500 gm	1	
23.	Aluminium chloride	500 gm	5	
24.	Glacial acetic acid	500 gm	5	
25.	Quercetin	25 gm	2	
26.	Naringenin	1g	2	
27.	Di -Potassium hydrogen phosphate	100 gm	2	
28.	Potassium dihydrogen phosphate	100 gm	1	
29.	Bromine testing Kit	1 x 1		
30.	Citric acid	500gm	2	
31.	Sodium nitrate	500gm	1	
32.	Ferrous sulphate	500 gm	3	
33.	Calcium chloride	500 gm	1	
34.	Calcium Sulphate	1 Kg x 3	3	
35.	Calcium Carbonate	500 gm	1	
36.	Conn's Agar	500gm	2	

37.	Corn meal agar w/dextrose	500gm	2	
38.	Corn meal peptone yeast agar	500gm	2	
39.	Cooke rose Bengal agar base	500gm	2	
40.	Czapek Dox agar	500gm	1	
41.	Fungal agar with low pH	500gm	2	
42.	Fungal broth	500gm	2	
43.	Gelatin peptone bacto Bio for bacteriology	500gm	2	
44.	Malt extract agar	500gm	2	
45.	Potato dextrose agar	500 gm	1	
46.	Potato carrot agar	500gm	1	
47.	Potato malt agar	500gm	1	
48.	Potato dextrose agar	500gm	1	
49.	Subouraud dextrose agar	500gm	1	
50.	Yeast malt agar	500gm	1	
51.	Sulphanilamide	500gm	2	
52.	Orthophosphoric acid	250ml	2	
53.	Naphthyl Ethylenediamine	25gm	1	
54.	Phosphate Buffer	(50x9ml)	5	
55.	Trichloroacetic acid	500gm	2	
56.	Thiobarbituric acid	100gm	2	
57.	1,10-Phenanthroline	1gm	2	
58.	N-Hexane	500ml	2	
59.	Trolox (6-Hydroxy-2, 5, 7, 8-Tetramethychroman-2 carboxylic acid)	1G	2	
60.	Total flavonoid Rutin Hydrate	25gm	2	

**DEPARTMENT OF RURAL TECHNOLOGY: PART B: GLASSWARE PLASTIC WARE**

Sr. No.	Glassware plastic ware/kit name	Pack size	Require Qty.	
1	Culture Tube	30ml	3x100per case	
2	Petri dishes (3.3 borosilicate)	80x17mm	1x290 per case	
3	s line petri dishes	200 x 30	1x10 per case	
4	s line petri dishes	90x15mm	1x100 per case	
5	Beaker	50ml	1x60 per case	
6	Beaker	250ml	1x40 per case	
7	Beaker	500ml	1x40 per case	
8	Flask	250ml	1x40 per case	
9	Flask	500ml	1x40 per case	
10	Flask	1000ml	1x20 per case	
11	FORCEPS BLUNT DISSECTING	8"	1x10 per case	

12	TEST TUBES Without Rim	25ml	24x400 per case	
13	Cavity slides	75x25mm	1 PK x5	
14	Cover slip square	22x22mm	1PK (50 piece per case ) x10	
15	Slide	75x25mm	1PKx10 per case	
16	Cover slip small	22x40mm	1 x 1	