

Tender No. 01/2023

**UNIVERSITY OF CHAKWAL,
CHAKWAL**



TENDER DOCUMENT

For

**PURCHASE OF CHEMICAL AND
GLASSWARE**

Issued To: _____

Deputy Director P&S
Ph. No.: 0543-552511

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THE UNIVERSITY OF CHAKWAL
Procurement Cell
Main Campus, Talagang Road, Chakwal.
Tel:0543-552511

Tender Notice

Sealed tenders/ bids are invited from the firms registered with Sales Tax and Income Tax Departments for following Tender on the basis of **Single Stage (Two Envelope Procedure)** in terms of Rule No. **38 2(a)** of the Punjab Procurement Rules 2014 (PPRA Rules 2014).

Tender No.	Tender Name	Budgetary Amount	QTY	Closing Time and Date	Opening Time and Date
01/2023	Purchase of Chemical and Glassware	14.7.000 Million	Detail in Tender Document	28-02-2023 till 10:30 AM	28-02-2023 at 11:00 AM

- Tender Document will be immediately available after publishing of this Tender Notice under Rule No. 25(1).
- Tender / Bid Document can be obtained from the Office of Deputy Director (P&S), University of Chakwal between 08:00 am to 4:00 pm from Monday to Friday by depositing the **Tender Fee of Rs.2,000/-** through Deposit Slip of BOP in A/C No. **6010211599100019, Main Recurring Account of UOC** in the Bank of Punjab. In case the Tender / Bid Documents are downloaded from www.uoc.edu.pk or www.ppra.punjab.gov.pk , **Original Deposit Slip of BOP** must be attached with the **Technical Bid**.
- The Bid Security, of Rs.294,000/- which is equal to 2% of estimated price, in the form of “CDR, Bank Draft, Pay Order.” in favor of Treasurer, University of Chakwal required to be submitted with the Financial Bid (Original), without which the offer shall be rejected being non-responsive.
- Bids without supporting documents, undertaking, valid documentary evidence, and bids not conforming to terms and conditions given in the Tender Document will be liable for rejection.
- No supporting document will be accepted, at all, after opening of the Technical Bids. Bids received after due date and time or bids without Bid Security in shape of CDR, Bank Draft, Pay Order or less than required amount or Bid Security in shape of Cheque/ Cross Cheque shall be summarily rejected.
- The University reserve the right to modify/withdraw/cancel the bids/tender at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.
- For obtaining any further information or clarifications, please contact the officer named below:

SULTAN MAHMOOD
Deputy Director (P&S)

1. Invitation To the Bid

- 1.1. Bids/Tenders are invited for **Purchase of Chemical and Glassware** from Sales Tax and Income Tax Registered firms.

2. Instructions to the Bidders

- 2.1. Procurement will be made under Punjab Procurement Rules (PPRA), 2014.
- 2.2. Procuring agency will ensure the **Rule 2(ae)** of PPRA Rules 2014.
- 2.3. It will be clearly understood that the Terms and Conditions mentioned in this document are intended to be strictly enforced.
- 2.4. Bidders must ensure that they submit all the required documents indicated in the Tender / Bidding Documents at the time of opening of Technical Bids and no request for submission of missing documents will be entertained after opening of the Technical Bids.
- 2.5. Bids without supporting documents, undertaking, valid documentary evidence, and bids not conforming to terms and conditions given in the Tender Document will be liable for rejection. Bids received after due date and time, and bids without Bid Security in shape of Demand Draft, Pay Order, CDR or less than required amount or Bid Security in shape of Cheque or Cross Cheque shall be rejected.
- 2.6. No supporting document will be accepted, at all, after opening of the Technical Bids.
- 2.7. The bidder must quote rates of each item in a lot/package, partial bidding in a lot is allowed.
- 2.8. **Mode of Advertisement:**

As per Rule 12(1) the advertisement is being placed on www.uoc.edu.pk and on the website of PPRA Punjab www.ppra.punjab.gov.pk

2.9. **Type of Open Competitive Bidding**

As per Rule No. 38(2) a, single stage two envelope procedure shall be followed with details given below:

- 2.9.1. The bid shall comprise of a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- 2.9.2. The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- 2.9.3. Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened; The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of procuring agency without being opened;
- 2.9.4. The Purchaser shall evaluate the technical proposal under **PPRA Rule # 32** and in a manner prescribed in this document, without reference to the price and reject any proposal which does not conform to the specified requirements as listed in said sections. During the technical evaluation no amendments in the technical proposal shall be permitted;
- 2.9.5. The financial proposals of technically qualified bidders shall be opened publicly at a time, and venue announced and communicated to the bidders in advance;
- 2.9.6. After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted and qualified bids only. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders.

2.10. Bid Data Sheet (Information for the Bidders)

1	Procuring Agency	University of Chakwal
2	Tender Number	01/2023
3	Name of Tender	Purchase of Chemical and Glassware
4	Tender Document available place	Office of the Deputy Director (P&S), University of Chakwal (Main Campus), Main Talagang Road, Chakwal.
5	Cost of Tender Document	Rs.2000/- payable at BOP through Deposit Slip in A/C No. 6010211599100019, Main Recurring Account of University of Chakwal.
6	Bid Security	Amount mentioned in Clause No. 9 of the Tender Document in shape of Bank Guarantee, CDR, Pay Order, Bank Draft etc., in favor of “Treasurer, University of Chakwal, Chakwal”
7	Performance Guarantee	10% of Contract Value after issuance of Letter of Acceptance. Performance guarantee will be accepted in the form of Bank guarantee.
8	Tender Addressed to	Convener, Central Purchase Committee, University of Chakwal.
9	Contact Number	Ph. 0543-552511
10	Due date, time and place of submission of Tender Document	28-02-2023 till 10:30 AM Office of the Deputy Director (P&S), University of Chakwal (Main Campus), Main Talagang Road, Chakwal.
11	Date, time and place of Technical Bid Opening	28-02-2023 at 11:00 AM at Seminar Hall , Ground Floor, Engineering Building, University of Chakwal (Main Campus), Main Talagang Road, Chakwal.
12	Date, time and place of the Financial Proposals	Shall be intimated subsequently to Technically Qualified firms

Terms and Conditions of the Tender

3. Definitions

- 3.1. "Purchaser" means the procuring agency i.e. University of Chakwal.
- 3.2. "UOC" means University of Chakwal.
- 3.3. "Bidder/Tenderer" means the Firm/Company/Supplier/Distributor that may provide or provides the Goods and related services to any of the public sector organization under the contract and have registered for the relevant business thereof.
- 3.4. "Contract" means the agreement entered into between the Purchaser and the Contractor, in form of Supply Order or as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- 3.5. "Contractor/The Successful Bidder" means the person whose Tender has been accepted and awarded letter of Acceptance followed by the Supply Order or Contract by the Purchaser.
- 3.6. "Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract which is properly apportion-able to the Goods or Services in question.
- 3.7. "Goods" means equipment, machinery, and/or other materials which the Contractor is required to supply to the Purchaser under the Contract.
- 3.8. "Services" means installation, configuration, deployment, commissioning, testing, training, support, after sale service, etc. of Goods and other such obligations which the Contractor is required to provide to the Purchaser under the Contract.
- 3.9. "PPRA" means Punjab Procurement Regulatory Authority.

4. Tender Eligibility

Eligible Bidder/Tenderer is one who:

- 4.1. has valid registration certificates for Income Tax and Sales Tax;
- 4.2. is an active Income Tax Payer;
- 4.3. has got the experience in supply of relevant items;
- 4.4. conforms to the clause of "Responsiveness of Bid" given in this tender document;
- 4.5. Has not been blacklisted.

5. Examination of the Tender Document

The bidder/Tenderer is expected to examine the Tender Document, including all terms and conditions.

6. Amendment of the Tender Document

- 6.1. The Purchase Committee of University of Chakwal at any stage prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).
- 6.2. The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers/Bidders.
- 6.3. The Purchaser may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender, in which case all rights and obligations of

the Purchaser and the Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

7. Bid Currency

Bidder should quote price in **Pak Rupees only** and payments shall also be made in Pakistan Rupees only.

8. Validity Period of the Bid

- 8.1. Validity period of the bids shall be **180 days**.
- 8.2. In exceptional circumstances, the Purchase Committee of University of Chakwal may ask the Bidders for an extension of the period of validity. The request and the responses shall be made in writing. A bidder accepting the request will not be required nor permitted to modify its tender.

9. Bid Security

- 9.1. Bidder will submit Bid Security drawn in the name of **Treasurer, University of Chakwal** detail given below:

Item Name	Budgetary Amount	Amount of Bid Security
Purchase of Chemical and Glassware	Rs.14,700,000/-	Rs.294,000/-

- 9.2. Cheque or Cross Cheque shall not be accepted at all.
- 9.3. The amount submitted as Bid Security shall be refunded to the unsuccessful bidders after the decision for the award of the said tender.
- 9.4. The Bid Security of Successful Bidder(s) may be converted as part of the Performance Guarantee for successful execution of the work.
- 9.5. Subject to the award of contract, the Bid Security in form of CDR, Demand Draft, Pay Order shall be returned to successful bidder against submission of Performance Guarantee
- 9.6. If the Bid Security is found less than the required amount then the bid will be rejected irrespective of the rates and the stage of the bid process.
- 9.7. The Bid Security may be forfeited if a Bidder:
 - a) Refuses to accept Letter of Acceptance of the Bid; or
 - b) Fails to furnish Performance Security.

10. Bid Preparation and Submission

- 10.1. The Tender shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Drawings, Documents, Brochures, Literature, etc. which shall be completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, photocopies may be attested.
- 10.2. The Bids/Tenders should be submitted in two parts (1) **Technical Proposal** and (2) **Financial Proposal**. The Technical Proposal and Financial Proposal shall be submitted in separate covers.
- 10.3. **Technical Proposal**

The Technical Proposal will enable the Purchase/Technical Committee to evaluate whether the bidder is technically competent and capable of executing the order and the

specifications offered by the bidder meet the ones given in the Tender/Bid Documents. Only those bids which qualify in the technical stage will be eligible for the Financial Proposal opening. The Financial Proposals of bidders who failed in the Technical stage will not be opened.

- 10.4. The Technical Proposal form as given in the Bid/Tender Document shall be filled, signed and stamped in all pages. The Purchase Committee will not be responsible for the errors committed in the bids by the bidders.
- 10.5. The Technical Proposal should not strictly contain any Price/Cost indications as such otherwise the bids will be summarily rejected.
- 10.6. The Bidder should quote only one brand/model/make of each item.
- 10.7. **Detail and Order of Documents to be furnished with the Technical proposal (Envelope A):**

The documents attached with the Technical Bid must be signed and stamped by the Authorized Representative of the Bidder. The documents attached must be numbered and attached in the following order:

- 10.7.1. Covering letter (*Annexure-A*) duly signed and stamped by authorized representative.
- 10.7.2. Copy of Income Tax Registration Certificate (*Annexure-B*).
- 10.7.3. Copy of Sales Tax Registration Certificate (*Annexure-C*).
- 10.7.4. Detailed specification of items (*Annexure-D*).
- 10.7.5. At least two relevant Supply Orders/Contracts received in the last three years (*Annexure-E*).
- 10.7.6. Affidavit/Undertaking on Stamp Paper (*Annexure-F*).

11. Financial Proposal

- 11.1. The Financial Proposal of the bidder shall also include the price break up of taxes/duties. All taxes/duties as applicable shall be responsibility of the bidders.
- 11.2. The cost quoted by the bidder shall be kept firm and unchanged for a period specified in the Bid/Tender Documents from the date of opening of the bids. The bidder shall keep the price firm/unchanged during the period of Contract including during the period of extension of time if any.
- 11.3. The quoted price will be inclusive of all taxes, duties, levies, insurance, freight (transportation charges), etc.
- 11.4. The Bid is liable for rejection if Financial Proposal contains conditional offer.
- 11.5. **Details to be furnished with Financial proposal (Envelope B)**

11.5.1. Financial Proposal Covering Letter (**Annexure G**).

11.5.2. Financial Proposal Form duly filled, signed and stamped by the Bidder (**Annexure H**).

11.5.3. Bid Security of **Rs.294,000/-**

11.6. Sealing the Bid

11.6.1. The Technical Proposal shall be placed in a separate cover (**Envelope-A**) and sealed appropriately. The Technical Proposal cover shall be marked as “**Technical Proposal for Purchase of Chemical and Glassware**” – Bid Ref.: due on: _The “FROM” address and “TO” address shall be written without fail.

11.6.2. The Financial Proposal (**Envelope-B**) shall contain rates of item quoted by

the bidder. The Financial Proposal cover shall be marked as “**Financial Proposal for Purchase of Chemical and Glassware**” – Bid Ref.: due on: _____. The “FROM” address and “TO” address shall be written without fail.

- 11.6.3. Out Cover:** The Technical Proposal cover (Envelope-A) and Financial Proposal cover (Envelope B) shall then be put in a single outer envelope and sealed. The outer cover shall be marked as “**Bid for Purchase of Chemical and Glassware**” –Bid Ref.: due on _____. The “FROM” address and “TO” address shall be written without fail.

11.7. Mode of Submission of Bids

- 11.7.1.** The Bid should be addressed to “Convener, Central Purchase Committee, University of Chakwal”.
- 11.7.2.** The Bids received after Due Date and Time or Unsealed or incomplete or submitted by Fax or Email will be summarily rejected.

12. Modification/Withdrawal of the Tender

- 12.1.** The Bidder may, by written notice served on the Purchaser, modify or withdraw the Tender after submission of the Tender, prior to the deadline for submission of the Tender.
- 12.2.** The Tender, withdrawn after the deadline for submission of the Tender and prior to the expiration of the period of the Tender validity, shall result in forfeiture of the Bid Security.

13. Bid Opening

13.1. Technical Proposal Opening

The bid’s outer cover and Technical Proposal cover will be opened by the Central Purchase Committee of University of Chakwal on the date and time as specified in the Tender Notice /Bid Data Sheet. The bids will be opened in the presence of the bidders who choose to be present. A maximum of two representatives for each bidder would be allowed to attend the Bid Opening.

13.2. Suppression of facts and misleading information

- 13.2.1.** During the bid evaluation, if any suppression or misrepresentation of information is brought to the notice of the Central Purchase Committee, the Committee shall have the right to reject the Bid and if it happens so after selection of the Bidder, the Central Purchase Committee may terminate the Contract or award of the Contract or further processing of the Bid as the case may be and that will be without any compensation to the Bidder and the Bid Security/Performance Guarantee, as the case may be, shall be forfeited.
- 13.2.2.** It is the Bidder’s responsibility to prove the Bidder’s requisite qualification, experience and capacity to undertake the project to the entire satisfaction of the Central Purchase Committee failing which the Bid may be rejected.

14. Preliminary Examination

- 14.1.** The Procuring Agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether the required documents have been furnished and properly signed, and whether the bids are generally in order.
- 14.2.** In the financial bids (at the time of opening the financial proposal) the arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price

and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Bidders/Suppliers do not accept the correction of the errors, its bid shall be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail.

15. Determination of Responsiveness of the Bid

- 15.1.** The Purchaser shall determine the substantial responsiveness of the Tender to the Tender Document, prior to the Tender evaluation, on the basis of the contents of the Tender itself without recourse to extrinsic evidence. A substantially responsive Bid is one which:
- 15.1.1.** meets eligibility criteria for the Bidder / the Goods / the Services;
 - 15.1.2.** meets all the mandatory requirements of the evaluation criteria;
 - 15.1.3.** meets the Technical Specifications for the Goods / the Services;
 - 15.1.4.** meets the delivery period / point for the Goods / the Services;
 - 15.1.5.** is accompanied by the required Bid Security;
 - 15.1.6.** is otherwise complete and generally in order;
 - 15.1.7.** Conforms to all terms and conditions of the Tender Document, without material deviation or reservation;
 - 15.1.8.** which offers one Brand/Model/Make for each item (which does not contain any option);
- 15.2.** A material deviation or reservation is one which affects the scope, quality or performance of the Goods or limits the Purchaser's rights or the Bidder's obligations under the Contract.
- 15.3.** The Tender determined as not substantially responsive shall not subsequently be made responsive by the Tenderer by correction or withdrawal of the material deviation or reservation. However, the Purchaser may waive off any minor non-conformity or inconsistency or informality or irregularity in the Tender.

16. Technical Evaluation Criteria

The Bidders who have duly complied with the Eligibility/Qualification and Evaluation will be eligible for further processing.

The Bids which do not conform to the Technical Specifications or Bid conditions or the Bids from the Bidders without adequate capabilities for supply and maintenance / warranty services will be rejected.

The Eligible/Technically Qualified Bidders will be considered for further evaluation.

Under PPRA Rules # 31, Technical Bids will be evaluated on the basis of following criteria and Financial Bids of only those bidders will be opened who have fulfilled the criteria:

Evaluation Criteria	Requirement
Sales Tax Registration	Mandatory
Income Tax Registration	Mandatory
Conformance to the required specification of items given in Schedule of Requirement	Mandatory
At least two relevant Supply Orders/Contracts received in the last three years	Mandatory
Affidavit /Bidder's Undertaking on stamp paper	Mandatory

S. No.	Item Name and Description	Marks	Maximum Marks
1	Past Performance/ Experience of the Bidder (Reg with GST/NTN)	--	10
1.1	1 - 3 year experience	2	--
1.2	4 - 8 year experience	4	--
1.3	9 - 15 year experience	6	--
1.4	Above 15	10	--
2	Relevant Experience	--	10
2.1	1 - 5 year experience	3	--
2.2	6 - 10 year experience	6	--
2.3	11 & above year experience	10	--
3	Financial Position/ Status	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory)	2	--
3.3	Statement Worth (Min 2 m)	4	--
4	Technical Evaluation of quoted items	--	70
4.1	Specifications as per Schedule Requirements	60	
4.2	Delivery schedule as per need	2.5	
4.3	List of clients / where such items delivered	2.5	
4.4	Guarantee / Warranty (as the case may be)	5	
TOTAL		--	100

The bidder must provide Verifiable documentary proof against all the mandatory requirement along with the Technical Proposal and no document will be received or considered after opening of the Technical Proposal.

Demonstration (If necessary) of Multimedia Projector will be held for confirmation of specifications of the quoted model. The Qualifying marks are sixty five (65).

Conformance to the required specification of items given in Schedule of Requirement will be evaluated by the Technical Evaluation Committee.

The Purchase Committee and Technical Evaluation Committee may ask for physical Demonstration of any item given in the Tender Document for confirmation of specifications.

17. Financial Proposal Evaluation

- 17.1. Technically qualified/successful bidder(s)/Tenderer(s) shall be called for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the Bidders at the time and venue indicated by the Purchaser accordingly. The technically Eligible/Successful Bidder(s)/Tenderer(s) or their authorized representatives against each Lot shall be allowed to take part in the Financial Proposal(s) opening against their relevant Lot(s).
- 17.2. Financial Proposal evaluation will be conducted under the Punjab Procurement Rules, 2014. The Price evaluation will include all duties, taxes and expenses etc. In case of any exemption of duties and taxes made by the Government in favor of the Purchaser, the contractor shall be bound to adjust the same in the Financial Proposal.
- 17.3. Financial proposal will be evaluated on the basis of One person One Bid in terms of Rule 36A (PPRA Rules 2014). No serial # or item name will be changed in the financial proposal. The bidder will quote per unit rate with GST and Total amount with GST as per given serial number/item name in the bidding documents. The bidder will follow the bidding documents in letter and spirit.

18. Rejection and Acceptance of the Tender/Bid

- 18.1. The Purchaser shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s), under PPRA Rules 2014 without any change in unit prices or other terms and conditions, accept a Tender, reject any or all tender(s), cancel / annul the Tendering process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.
- 18.2. **The Tender / bid shall be rejected if:**
 - 18.2.1. It is substantially non-responsive; or
 - 18.2.2. The bidder does not meet any of the mandatory criteria mentioned in Clause No. 15; or
 - 18.2.3. It does not contain the documentary proof against any of the mandatory criteria mentioned in Clause No. 15; or
 - 18.2.4. **The bid is incomplete, conditional, alternative, late; or**
 - 18.2.5. the bidder does not attach Bid Security in Shape of Demand Draft, Pay Order, CDR; or
 - 18.2.6. the bid security is not attached or it is less than the required amount; or
 - 18.2.7. the Bidder submits more than one Bids against one Tender; or
 - 18.2.8. the Bidder tries to influence the Purchase Committee / Contract award; or
 - 18.2.9. the Bidder engages in corrupt or fraudulent practices in competing for the Contract award; or
 - 18.2.10. there is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid; or
 - 18.2.11. the Bidder submits any financial conditions as part of its bid which are not in conformity with tender document.

19. Contacting the Procuring Agency

- 19.1.** No Bidder shall contact the Central Purchase Committee of UOC on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.
- 19.2.** Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will disqualify the bidder and rejection of the bid. Canvassing by any Bidder at any stage of the Tender evaluation is strictly prohibited.

20. Announcement of Evaluation Report

- 19.1** The Procuring Agency shall announce the results of bid evaluation in the form of a report giving justification for acceptance or rejection of bids at least ten days prior to the award of Contract. The report shall be made available on PPRA website and all the bidders shall be informed of this.

21. Award of Contract

- 21.1.** The Tender will be awarded to the Lowest Evaluated Bidder(s) (item wise or Lot wise) who have been declared Technically Qualified.

22. Letter Of Acceptance (LOA)

After acceptance of the Bids by the CPC, Letter of Acceptance (LOA) will be issued only to the Successful Bidder(s).

23. Payment of Performance Guarantee (PG)

- 23.1.** The Successful Bidder(s) will be required to remit the Performance Guarantee equivalent to 10% of the value of the contract price. The PG should be paid by way of Cash Deposit Receipt (CDR), Pay Order, Demand Draft drawn in favor of “Treasurer University of Chakwal, Chakwal” as unconditional Guarantee.
- 23.2.** The Performance Guarantee will be forfeited if the Successful Bidder withdraws the Bid during the period of Bid validity specified in the Bid Documents or if the Bidder(s) fails to sign the contract.

24. Refund of Bid Security (BS)

The Bid Security (BS) of the Successful Bidder may be adjusted towards Performance Guarantee payable by the firm. If the successful Bidder(s) submits Performance Guarantee for the stipulated value in full by way of Cash Deposit Receipt (CDR), Bank Draft or Pay Order the BS will be refunded. The BS of the unsuccessful Bidder will be refunded on the written request of the Bidder. The Bid Security of the successful bidder shall be released upon his request provided the bidder submits the Performance Guarantee in the shape of Cash Deposit Receipt (CDR), Bank Draft or Pay Order.

25. Issuance of Supply Order or Signing the Contract

- 25.1.** The Purchase Committee shall issue Supply Order or sign a Contract with the Successful bidder who has submitted the Performance Guarantee.

- 25.2. The Successful Bidder will provide the **stamp paper of 0.25% of total order value** for issuance of Supply Order or Signing the Contract.
- 25.3. The procuring agency may increase or decrease quantity in supply order subject to provision of budget in the relevant head.

26. Redressal of grievances by the procuring agency

- 26.1. Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances not later than 10 days after the announcement of the bid evaluation report.
- 26.2. The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.
- 26.3. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.
- 26.4. Any bidder not satisfied with the decision of the committee of the procuring agency may lodge an appeal in the relevant court of jurisdiction.

General Conditions of Contract / Supply Order

27. Delivery of Items

- 27.1. The Supplier will be responsible for **delivery of Items** of Purchase of Chemical and Glassware and in case of items which requires installation; the Bidder will be responsible for installation of items at UOC, Main Campus, Talagang Road, Chakwal.
- 27.2. Delivery Period will be **thirty (30) days** counted *after issuance of Letter of Acceptance* extendable under the special circumstances subject to approval of competent authority but it is discretion of the competent authority.
- 27.3. After delivery of items, the Bidder must get the items inspected at UOC, Main Campus, Talagang Road, Chakwal.
- 27.4. The supplier will bear all costs associated with the preparation, delivery and installation of the Items and the Purchaser will in no case be responsible or liable for those costs. The supplier will make such arrangements to ensure safe delivery of goods. Any damage sustained during transportation / delivery will be rectified by the supplier at his cost.
- 27.5. The procuring agency may increase or decrease quantity in supply order subject to provision of budget in the relevant head.

28. Liquidated Damages

- 28.1. When the supplier fails to deliver or install the goods or both within the time period specified in the contract, the Purchase Committee may, without prejudice to any other remedy it may have under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.25% of the price of the delayed goods per day of delay, maximum up to 10% of the price of total value of the contract.
- 28.2. The Successful Bidder will be responsible to provide the delivery, Delivery Challan and Bill within the delivery period in order to avoid Late Delivery Charges.

29. Inspection and Tests

- 29.1. The Inspection Committee of UOC shall inspect and test the Goods supplied, the Services provided, under the Contract/Supply Order, to verify their conformity to the Technical Specifications.
- 29.2. Inspection will be done at University of Chakwal.

- 29.3. Inspection Committee may verify the authenticity of items.
- 29.4. After the inspection or test if the Inspection Committee is of the opinion that items do not conform to the specification and the criteria mentioned above, the Inspection Committee may reject them, and the supplier shall either replace the rejected goods or make all alterations necessary to meet the requirements of the specifications free of cost to University of Chakwal.

30. Release of Performance Guarantee (PG)

The Performance Guarantee will be refunded to the Successful Bidder(s) ***after one year of completion of delivery and installation of Goods (Inspection) or completion of all procurement along with warranty/guaranty subject to PAPRA Rules 2014.***

31. Contract Amendment

- 31.1. The Purchaser may, at any time, by written notice served on the Contractor, alter, amend, omit, increase, decrease or otherwise change the nature, quality, quantity and scope, of all / any of the Goods / the Services / the Works, in whole or in part.
- 31.2. No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

32. Termination for Default

The Purchase Committee of UOC may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part if:

- 32.1. the bidder fails to provide services within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring entity.
- 32.2. the successful bidder fails to deliver goods and services as per its technical specifications offered in the bid
- 32.3. the successful bidder fails to perform any other obligation(s) under the Contract.
- 32.4. the bidder, in the judgment of the Purchase Committee has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

33. Blacklisting

If the Contractor fails / delays in performance of any of the obligations, under the Contract / Letter of Acceptance, violates any of the provisions of the Contract / Letter of Acceptance, commits breach of any of the terms and conditions of the Contract / Letter of Acceptance or found to have engaged in corrupt or fraudulent practices in competing for the award of contract / Letter of Acceptance or during the execution of the contract / Letter of Acceptance, the Purchaser may without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders in public sector, as per mechanism provided in Punjab Procurement Rules, 2014.

34. Force Majeure

Majeure means an act of nature or an event beyond the control of the Supplier and not involving the Supplier's fault or negligence directly or indirectly purporting to mis-planning, mismanagement and /or lack of ore sight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or evolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes. If

a Force Majeure situation arises, the Suppliers shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the cause thereof. The Committee constituted for Redressal of grievances, shall examine the pros and cons of the case and all reasonable alternative means for completion of purchase order under the Contract and shall submit its recommendations to the competent authority. However, unless otherwise directed by the Procuring Agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the Force Majeure event.

35. Termination for Insolvency

The Procuring Agency may at any time terminate the Contract by giving written notice of 30 days' time to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination shall be without compensation to the Supplier, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Parties.

36. Forfeiture of Performance Security

- 36.1.** If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract / Letter of Acceptance, the Purchaser may, without prejudice to any other right of action / remedy it may have, forfeit Performance Security of the Contractor.
- 36.2.** Failure to supply required items/services within the specified time period will invoke penalty as specified in this document.

37. Payment

- 37.1.** 100% payment will be made after withholding applicable taxes by UOC to the Successful Bidder after delivery and installation of goods and on receipt of the following documents:
- i. Triplicate Original Delivery Challan.
 - ii. Triplicate Original Bill/Invoice.
 - iii. Triplicate General Sales Tax Invoice
 - iv. Inspection/Completion report

38. Warranty

- 38.1.** Warranty of Equipment, Apparatus and instrument shall be one year.
- 38.2.** The Supplier shall confirm that the goods supplied under this contract are new and unused. The Supplier shall further warrant that all goods supplied under this contract shall have no defect arising from design materials or workmanship or from any act or omission of the supplier that may arise under the normal use of the supplied goods in the conditions prevailing in the University.
- 38.3.** The Purchase Committee shall notify the supplier in writing of any claim arising under the warranty. Upon receipt of such notice, the supplier shall repair or replace the defective goods or parts within **15 days**, inclusive of, where applicable, the cost of inland delivery

of the repaired or replaced goods or parts from the port of entry to the final destination and their installation.

39. SPECIFICATIONS AND SCHEDULE OF REQUIREMENT

Department Physics **Chemical**

Sr #	Name of Item	Specifications	Quantity
01	Phosphoricacid	H ₃ PO ₄ (85%) Analytical Grade	2.5L
02	Potassium Permanganate	KMnO ₄ (99.9%) AR Grade	1Kg
03	Hydrogenperoxide	H ₂ O ₂ (30%) AR Grade	0.5L
04	HydrogenChloride	HCl (37%) AR Grade	2.5L
05	1-hexanol	AR Grade	2.5L
06	Ethanol	99.9% AR Grade	5L
07	Acetone	Analytical Grade	2.5L
08	Iron nitrate	Fe(NO ₃) ₃ . 9H ₂ O AR Grade	300 gm
09	Zinc Nitrate	Zn(NO ₃) ₃ . 6H ₂ O AR Grade	500gm
10	ManganeseNitrate	Mn(NO ₃) ₃ . 6H ₂ O AR Grade	1Kg
11	NaOH Pellets	NaOH pelletsanhydrous AR	1Kg

Glassware

Sr. #	Name of Item	Specifications	Quantity
12	Beaker (50mL)	Pyrex, good quality orequiv.	40

13	Beaker (100mL)	Pyrex, good quality orequiv.	40
14	Beaker (500mL)	Pyrex, good quality orequiv.	18
15	Beaker (1000mL)	Pyrex, good quality orequiv.	15
16	Lab gloves	Good quality researchgrade	5 boxes
17	Lab- spatulas	Analytical grade (0.01, 0.05, 0.1, 0.5 & 1 g)	Each size= 2
18	Aluminumfoil	Aluminium Alloy	2

Department of Chemistry
Chemicals

Sr #	Name of Item	Specifications	Qty.
1	Ethanol	Analytical grade/>95% V	5*5 L
2	Silver Nitrate	Analytical grade/99%	500 g
3	Methanol	Analytical grade/99.8% (500ml)	5 L
4	Potassium Chromate	Analytical grade/99.0%	100 g
5	Phenolphthalein	Analytical grade	100 g
6	Methyl Orange	Analytical grade/85%	25 g
7	Chloroform	Analytical grade	5 L
8	Spirit (Ethyl Alcohol)	Analytical grade	10 L
9	Ammonium Nitrate	Analytical grade/ 98%	500 g
10	Fluorescence Indicator	Analytical grade	50 g
12	Ethylene Glycol	Analytical grade/Anhydrous 99.8%	500 ml *5
13	8-hydroxy Quanoline	Analytical grade/98.5%	50 g
14	Acetic Acid	Analytical grade/96%	1L
15	Acetone	Analytical grade/99.5%	5 L
16	Potassium Dichromate	Analytical grade/99.0%	100 g
17	Charcoal	Analytical grade	250 g
18	Iodine (Solid)	Analytical grade/99.8%	50 g
19	Benzaldehyde	Analytical grade/99%	50 g
20	Ether (Diethyl Ether)	Analytical grade	500 ml
21	Maleic Acid	Analytical grade	100 g
22	Phthalimide	Analytical grade	100 g

23	Cyclohexanol	Analytical grade	1L
24	Acetophenone	Analytical grade	100 ml
25	Ninhydrin	Analytical grade	10 g
26	Sodium Metal	Analytical grade/99.95%	50 g
27	Phosphoric Acid	Analytical grade	500 ml
28	Sodium Hydroxide	Analytical grade/98%, pellets (anhydrous)	500 g
29	Methylene Blue	Analytical grade/Minimum dye content/90%	10 g
30	Hydrochloric Acid	Analytical grade/37%	5 L
31	Sodium dihydrogen phosphate	Analytical grade	500 g
32	Titanium dioxide	Analytical grade	500 g
33	CTAB	Analytical grade	4*50 g
34	Polyethylene glycol	Analytical grade	500 g
35	Polystyrene beads	Ammonium Functionalized, 0.20-0.40 Microns, suitable for column	20 Kg

Glassware

Sr #	Name of Item	Specifications	Quantity
01	Graduated Cylinder	Glass/Lab grade/ (50,100,250) ml	09 (three each size)
02	Wash Bottles	Analytical grade/Polymer	5 (500 ml)
03	Conical flasks	Glass with high temperature resistant (100ml and 250ml)	20 (10 in each size)
04	Lab Spatulas	Analytical grade/0.01-10 g	0.01-10g
05	Cleaning Brushes	L20, diameter x L23/8 in x 6 inch	5
06	Dropping Funnel	Glass, 50ml	1
07	Pipette	5ml ,500EA	5
08	Thermometer	Laboratory grade/10-260°C,76mm	5
09	Separating Funnels	Glass, 500ml	1
10	Litmus Papers	Red and blue, 8*10"	1 pack each (24 sheets)
11	Burettes	Glass with high grade materials, volume=50ml	10
12	Measuring Cylinder (10,100,1000)ml	Glass, (10,100,1000) ml	6 (two each volume)
13	Droppers	125ml	5
14	Spirit Lamp	200ml	10
15	Chromatographic Tank	1EA	1
16	Conical beakers	Glass (100, 250,500)ml	18 (six for each size)
17	TLC Plates	L x W 20cm x 20cm,silica gel 60 matrix, 25EA	25
18	T-tube	8-9mm	5

19	Condenser	400mm	5
20	Condenser Pipes	10m	1
21	UV Visible lamp	Glass, UV range, Visible range, UV-Visible range, same voltage of all	06

Department Pharmacy

Glassware

Sr. No.	Name of item	Detailed Specifications	Qty.
1.	Beaker (100 mL)	Pyrex, China glass, good quality or equiv.	500
2.	Beaker (1000 mL)	Pyrex, China glass, good quality or equiv.	120
3.	Round bottom flask single neck (100mL), flat bottom	Pyrex, China glass, good quality or equiv.	50
4.	2-neck R. B. flask (100 mL)	Pyrex, China glass, good quality or equiv.	25
5.	2-neck R. B. flask (250 mL)	Pyrex, China glass, good quality or equiv.	25
6.	Beaker (25 mL)	Pyrex, China glass, good quality or equiv.	200
7.	Beaker (250 mL)	Pyrex, China glass, good quality or equiv.	200
8.	Beaker (50 mL)	Pyrex, China glass, good quality or equiv.	200
9.	Beaker (500 mL)	Pyrex, China glass, good quality or equiv.	200
10.	Capillary tube	Pyrex, China glass, good quality or equiv.	100
11.	Cover slip	Pyrex, China glass, good quality or equiv.	50 Boxes
12.	Digital thermometer and hygrometer	Pyrex, China glass, good quality or equiv.	5
13.	Round bottom flask single neck (250mL)	Pyrex, good quality or equiv.	50
14.	Glass funnel (75mL)	Pyrex, good quality or equiv.	150
15.	Glass funnel (100 mL)	Pyrex, good quality or equiv.	150
16.	Glass funnel (50 mL)	Pyrex, good quality or equiv.	150
17.	Glass rod	China, good quality or equiv.	150
18.	Glass slide	China, good quality or equiv.	20boxes

19.	Glass vials	China, good quality or equiv.	200
20.	Graduated cylinder (10 mL)	Pyrex, good quality or equiv.	100
21.	Graduated cylinder (100 mL)	Pyrex, good quality or equiv.	200
22.	Graduated cylinder (1000 mL)	Pyrex, good quality or equiv.	100
23.	Graduated cylinder (25 mL)	Pyrex, good quality or equiv.	150
24.	Graduated cylinder (250 mL)	Pyrex, good quality or equiv.	120
25.	Graduated cylinder (50 mL)	Pyrex, good quality or equiv.	100
26.	Graduated cylinder (500 mL)	Pyrex, good quality or equiv.	100
27.	Paraffin stripe roll	China, good quality or equiv.	10
28.	Petri dishes (4 inch) (glass)	China, good quality or equiv.	100
29.	Petri dishes (6 inch) (glass)	China, good quality or equiv.	100
30.	Pipette pyrex (1 mL)	Pyrex, good quality or equiv.	100
31.	Pipette pyrex (10 mL)	Pyrex, good quality or equiv.	100
32.	Pipette pyrex (2 mL)	Pyrex, good quality or equiv.	100
33.	Pipette pyrex (20 mL)	Pyrex, good quality or equiv.	100
34.	Pipette pyrex (5 mL)	Pyrex, good quality or equiv.	100
35.	Pipette stand (metal rod)	China, good quality or equiv.	40
36.	Pipette suckers (rubber)	China, good quality or equiv.	100
37.	Reagent bottle (250 mL)	Borosilicate glass	100
38.	Stainless steel forceps (Fine tip, straight)	Merck, good quality or equiv.	50
39.	Stainless steel spatula (small, medium and large)	Merck, good quality or equiv.	20 Each
40.	Syringes (1 mL)	BD or equivalent	10 Boxes
41.	Syringes (3 mL)	BD or equivalent	10 Boxes
42.	Syringes (5 mL)	BD or equivalent	10 Boxes
43.	Test tube (13 mL)	Pyrex, good quality or equiv.	500
44.	Tyrode bottle and accessories	Merck, good quality or equiv.	10
45.	Volumetric flask (100 mL)	Pyrex, good quality or equiv.	100
46.	Volumetric flask (1000 mL)	Pyrex, good quality or equiv.	50
47.	Volumetric flask (250 mL)	Pyrex, good quality or equiv.	100
48.	Volumetric flask (50 mL)	Pyrex, good quality or equiv.	100
49.	Volumetric flask (500 mL)	Pyrex, good quality or equiv.	50

	mL)		
50.	Butterfly needles 25'	BD, good quality or equiv.	50
51.	Drip Sets (i.v.)	BD, good quality or equiv.	50
52.	3-neck R. B. flask (100 mL)	Pyrex, good quality or equiv.	20
53.	3-neck R. B. flask (250 mL)	Pyrex, good quality or equiv.	20
54.	Buchner filter funnel (Porcelain)	Fisher brand, good quality or equiv.	30
55.	Burette (10 mL)	Pyrex, good quality or equiv.	50
56.	Burette (50 mL)	Pyrex, good quality or equiv.	50
57.	Burettes borosilicate glass (10ml)	good quality	15
58.	Burettes borosilicate glass (50 mL)	good quality	15
59.	Centrifuges tubes (5 mL)	China or equiv.	50
60.	Clamp stand with clamp	Metal, good quality	50
61.	Conical flask (100 mL)	Pyrex, good quality or equiv.	100
62.	Conical flask (1000 mL)	Pyrex, good quality or equiv.	25
63.	Conical flask (250 mL)	Pyrex, good quality or equiv.	100
64.	Conical flask (50 mL)	Pyrex, good quality or equiv.	100
65.	Conical flask (500 mL)	Pyrex, good quality or equiv.	50
66.	Fusion tube	China or equiv.	10 box
67.	Hollow stopper (Glass) different sizes	China or equiv.	100
68.	Round bottom flask single neck (1000 mL), flat bottom	Pyrex, good quality or equiv.	10
69.	Round bottom flask single neck (500 mL), flat bottom	Pyrex, good quality or equiv.	15
70.	Separating funnel (1000 mL)	China or equiv. good quality	10
71.	Separating funnel (250 mL)	China or equiv. good quality	25
72.	Separating funnel (500 mL)	China or equiv. good quality	25
73.	Watch glass Large	China or equiv. good quality	150
74.	Tripod stand (Metal)	China or equiv. good quality	50
75.	Watch glass small	China or equiv. good quality	150
76.	Glass depression slides (Micro)	Merck, China or equivalent	10 Packs
77.	Durham tubes	Merck or equivalent	2 box
78.	EDTA tubes (for blood samples)	Biota or equivalent	03 Packs
79.	Inoculating loop holder	10 μ L, stainless steel	6

80.	Pipette tip box (10 uL)	Aldrich or equiv, good quality	04 Packs
81.	Pipette tip box (100 uL)	Aldrich or equiv, good quality	04 Packs
82.	Pipette tip box (1000 uL)	Aldrich or equiv, good quality	04 Packs
83.	Spirit lamp	China or equiv	50
84.	Aspiration flasks/ vacuum flask with stopper	Thomas scientific or equiv, good quality	6
85.	Glass columns of various sizes (1,2,3 inches)	Aldrich or equiv, good quality	05 each

Chemical

Sr. No.	Name of Item	Specifications	Quantity
1.	Acacia gum/Arabic gum	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
2.	Acetaminophen USP	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
3.	Acetone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10L
4.	Acetyl salicylic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
5.	Acrylic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
6.	Activated Charcoal	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
7.	Amaranth dye	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
8.	Anise oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1L
9.	Arachis oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 L
10.	Ascorbic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
11.	Bees wax (White)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
12.	Bees wax (Yellow)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or	01 Kg

		equivalent	
13.	Bentonite	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
14.	Benzene	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
15.	Benzocaine USP	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
16.	Benzoic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 Kg
17.	Benzoin powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
18.	Borax	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 Kg
19.	Boric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
20.	Calamine powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
21.	Calcium carbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
22.	Calcium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 Kg
23.	Calcium hydroxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 Kg
24.	Calcium phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 kg
25.	Camphor	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
26.	Canada balsam	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
27.	Carbon tetrachloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
28.	Cardamom oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 ml

29.	Castor oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 ml
30.	Cetomacrogol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
31.	Cetostearyl alcohol or cetylstearylalcohol or cetearyl alcohol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
32.	Cetyl ester wax (Spermaceti)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
33.	Chloroform	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
34.	Cinnamon oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 ml
35.	Citric acid (monohydrate)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 Kg
36.	Clove oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 L
37.	Coconut oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 L
38.	Copper sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Kg
39.	Corn starch	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01Kg
40.	Dextrose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5 Kg
41.	Dibasic Calcium Phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
42.	Emulsifying wax	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
43.	Ethanol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	20 L
44.	Ethyl acetate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	15 L
45.	Ferrous sulfate	Commercial Grade, Good packing	02 Kg

		quality, Sigma, Merck, Daejeon or equivalent	
46.	Gelatin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1Kg
47.	Glacial Acetic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5L
48.	Glass beads(Ion exchange resin)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
49.	Glycerin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
50.	Heavy Kaolin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
51.	Hydrochloric acid conc.	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
52.	Hydrocortisone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 g
53.	Hydroxypropyl methylcellulose (HPMC)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
54.	Iodine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
55.	Isopropyl palmitate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
56.	Lactose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	06 Kg
57.	Lanette wax	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
58.	Lanoline /wool wax/ wool fat	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
59.	Lavender oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
60.	Lecithin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
61.	Lemon oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or	500 mL

		equivalent	
62.	Light kaolin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
63.	Light magnesium carbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
64.	Liquid paraffin/ Mineral oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 L
65.	Liquid phenol or liquefied phenol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
66.	Magnesium stearate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
67.	Menthol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
68.	Methanol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	15 L
69.	Methocel E15 LV (Binder in granulation)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
70.	Methyl benzoate (Perfuming agent)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
71.	Methyl Cellulose USP	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
72.	Methyl paraben or Methyl hydroxybenzoate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	250 gm
73.	Methyl salicylate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
74.	Methylene bisacrylamide (MBA)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
75.	Microcrystalline cellulose (Avicel pH101)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01Kg
76.	Naphthalene	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
77.	Nutmeg oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL

78.	Oleic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
79.	Orange oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
80.	Oxalic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
81.	Paraffin hard	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
82.	Paraffin soft/ White soft paraffin/ White ointment USP/White petroleum jelly	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
83.	Peppermint oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
84.	Petrolatum	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
85.	Phenolphthalein	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	200 gm
86.	Phosphoric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
87.	Poloxamer 407(pluronic F127)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 L
88.	Polyethylene glycol PEG (200)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
89.	Polyethylene glycol PEG (3350) or PEG 40	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
90.	Polyethylene glycol PEG (400) or PEG 8	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
91.	Polyvinyl alcohol (PVA)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
92.	Polyvinyl pyrrolidone (PVP)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
93.	Potassium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5 Kg

94.	Potassium hydroxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5 Kg
95.	Potassium iodide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
96.	Potassium metabisulfite(preservative)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
97.	Potassium Phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
98.	Potassium sorbate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	250 gm
99.	Povidone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
100.	Precipitated Sulphur	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
101.	Propyl paraben or propyl hydroxyl benzoate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
102.	Propylene glycol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 L
103.	Rose oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 L
104.	Saccharine or Sodium saccharin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
105.	Salicylic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
106.	Silica gel (Micronized)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
107.	Sodium alginate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
108.	Sodium benzoate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
109.	Sodium bicarbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Kg
110.	Sodium carbonate	Commercial Grade, Good packing	05 Kg

	(anhydrous)	quality, Sigma, Merck, Daejeon or equivalent	
111.	Sodium carboxymethyl cellulose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
112.	Sodium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	8 Kg
113.	Sodium citrate (anhydrous)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 Kg
114.	Sodium fluoride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
115.	Sodium hydroxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 Kg
116.	Sodium Iodide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 Kg
117.	Sodium lauryl sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
118.	Sodium metabisulphite	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500gm
119.	Sodium phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
120.	Sodium phosphate dibasic/ Disodium hydrogen phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Kg
121.	Sodium phosphate monobasic/ Mono basic dihydrogen phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Kg
122.	Sodium tetra borate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
123.	Sodium thiosulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
124.	Soft soap	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
125.	Sorbic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500gm

126.	Sorbitol Powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
127.	Span 20	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
128.	Span 80	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
129.	Starch	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
130.	Stearic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
131.	Sublimed sulphur	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
132.	Sucrose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 kg
133.	Sulphuric acid, conc	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5L
134.	Talc	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
135.	Tartaric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500g
136.	Thymol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
137.	Titanium dioxide (creams)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
138.	Tolubalm/ Balsm of tolu	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	250 gm
139.	Tragacanth	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
140.	Triethanolamine lauryl sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 gm
141.	Tween 20	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	250 mL
142.	Tween 80	Commercial Grade, Good packing	500 mL

		quality, Sigma, Merck, Daejeon or equivalent	
143.	Vanillin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
144.	Zinc oxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
145.	1-naphthol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
146.	2-propanol (anhydrous)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
147.	3,5 dinitro salicylic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
148.	Ammonia solution	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 L
149.	Ammonium oxalate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
150.	Aniline	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
151.	Aspartic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
152.	Benzaldehyde	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
153.	Benzamide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	200 gm
154.	Benzophenone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
155.	Bromine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
156.	Chlorobenzene	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
157.	Creatinine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
158.	Cupric acetate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or	500 gm

		equivalent	
159.	Cupric oxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 g
160.	Cupric sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
161.	Diacetylmonoxime	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
162.	Dichloromethane	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
163.	Diethyl ether	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
164.	Dinitrophenyl hydrazine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
165.	Dipotassium hydrogen phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5 kg
166.	Disodium phosphotungstate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 kg
167.	Ferric aluminum sulphate (Ferric alum)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 kg
168.	Ferric chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 kg
169.	Fructose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 kg
170.	Glycine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Minimum pack size
171.	Isoamyl alcohol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Minimum pack size
172.	Lead acetate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 kg
173.	Lithium carbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 kg
174.	Magnesium carbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 kg

175.	Magnesium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 Kg
176.	Magnesium sulphate (anhydrous)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
177.	Maltose	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
178.	Methyl red	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
179.	n-Butanol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
180.	Ninhydrin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
181.	Nitric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
182.	Para-amino phenol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
183.	Petroleum ether	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
184.	Phenol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1kg
185.	Sodium nitrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
186.	Phenol red	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
187.	Phenyl hydrazine hydrochloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mg
188.	Phloroglucinol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
189.	Picric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
190.	Potassium permanganate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 g
191.	Pyridine	Commercial Grade, Good packing	1 L

		quality, Sigma, Merck, Daejeon or equivalent	
192.	Resorcinol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	250 gm
193.	Silver nitrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
194.	Sodium metal	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1kg
195.	Sodium acetate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
196.	Sodium hydrogen sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1 Kg
197.	Sodium potassium tartrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
198.	Sodium Sulphate anhydrous	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2 kg
199.	Sulphanilic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
200.	Sulphuric acid conc.	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
201.	Tartaric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
202.	Thiosemicarbazide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	200 g
203.	Thiourea	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
204.	Universal pH paper	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Packs
205.	Urea	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
206.	Uric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
207.	Zinc dust	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	200 gm

		equivalent	
208.	Acetylcholine perchlorate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
209.	Adrenaline inj. Vial	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Vials
210.	Antisera A, B and D	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Bottle each
211.	Atropine sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05gm
212.	Calcium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 Kg
213.	Cedar wood oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
214.	ECG Gel	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2L
215.	EDTA powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
216.	Gentian Violet	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
217.	Histamine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
218.	Homatropine Eye Drops	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Bottles
219.	Leishman's powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
220.	Magnesium sulphate heptahydrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
221.	Mercuric Chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
222.	Phenylephrine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
223.	Pilocarpine 2% Eye Drop	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Bottles

224.	Pilocarpine 4% Eye Drop	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Bottles
225.	Prazocin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
226.	Propranolol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
227.	Pyrrillamine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
228.	Serotonin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
229.	Sodium bicarbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	02 Kg
230.	Warfarin Sodium Tab. 5 mg	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	20 Tablets
231.	Xylocaine HCl 10% Eye Drops	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Bottles
232.	Xylocaine HCl 2% Injection	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	15 Bottles
233.	Paracetamol Injection	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	15 vials
234.	Diazepam Injection	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	20 vials
235.	Dicloron injection	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 vials
236.	Lignocaine gel	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	3 tubes
237.	Mask	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 Box
238.	Scopolamine hydrochloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25gm
239.	Methyl Scopolamine bromide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25gm
240.	Piracetam injection	Commercial Grade, Good packing	10 Vials

		quality, Sigma, Merck, Daejeon or equivalent	
241.	Gloves box	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 box
242.	Pentylentetrazole	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25gm
243.	Picrotoxin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5gm
244.	Strychnine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	5gm
245.	1-naphthol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
246.	Aluminum chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
247.	Aluminum hydroxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
248.	Aluminum sulphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
249.	Ammonium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
250.	Balsam (Peru)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 mL
251.	Benedict's reagent	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mL
252.	Butanol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
253.	Caffeine powder	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
254.	Carbol fuchsin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
255.	Choral hydrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
256.	Copper acetate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm

		equivalent	
257.	Crystal violet dye	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
258.	Ethylene glycol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
259.	Fehling solution A	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
260.	Fehling solution B	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL
261.	Glutamic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mg
262.	Malachite green	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 mg
263.	Mayer's reagent	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mL
264.	Mercuric Chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
265.	Methylene blue	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
266.	Mustard oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mL
267.	<i>n</i> -Hexane	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	10 L
268.	Nitric acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	2.5 L
269.	Potassium carbonate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
270.	Potassium dichromate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
271.	Tannic acid	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
272.	Turpentine oil	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 mL

273.	Anise (Sonf Rumi)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
274.	Black Mustard (Raai)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
275.	Camphor (Kafoor)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
276.	Caraway (Zeera)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
277.	Cassia (Amaltas)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
278.	Castor Seed (Arind)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
279.	Catechu (Katha)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
280.	Cinnamon (Dar Chini)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
281.	Coffee	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
282.	Colocynth (Kortumma) 250 gm	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
283.	Curcuma (Haldi)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
284.	Curry Leaves	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
285.	Ephedra (Sum Kulpa)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
286.	Eucalyptus Oil 250 ml	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
287.	Fennel (Sonf)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
288.	Glycyrrhiza (Mulathi)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
289.	Gum Acacia (Gond Kekar)	Commercial Grade, Good packing	Quantity

		quality, Sigma, Merck, Daejeon or equivalent	Sufficient for One Jar
290.	Gum Tragacanth (GoondhKatira)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
291.	Hyoscyamus Niger (AjwainKhurasani)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
292.	Ispaghul	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
293.	Nutgall (Mazo Phal)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
294.	Nutmeg (Jaiful)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
295.	Nux Vomica Powder (Kuchla)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
296.	Nux Vomica seed (Kuchla)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
297.	Ocimum (Tulsi seed)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
298.	Papaver Somniferum (Khashkhas)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
299.	Peppermint (Podina) “	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
300.	Podophyllum (Bhun Bhakra)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
301.	Raspberry Oil 500 ml	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
302.	Rauwolfia (Choti Chandan)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
303.	Senna (Sana Mukki)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
304.	Stramonium (Dhatura)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
305.	Sunflower Oil 100 ml	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or	Quantity Sufficient for One

		equivalent	Jar
306.	Tea (Chai Patti)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
307.	Thyme (ban Ajwain)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
308.	Valerian (Bal Char)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	Quantity Sufficient for One Jar
309.	1-naphthol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
310.	Agar	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	03 kg
311.	Ammonium dihydrogen phosphate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
312.	Ampicillin discs	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Pack
313.	Barium chloride	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Kg
314.	Beef extract	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
315.	Bovine Serum Albumin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
316.	Bromothymol blue	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
317.	Carbol fuchsin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
318.	Casein enzyme hydrolysates (tryptone)	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
319.	Ciprofloxacin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm
320.	Eosin Y	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 gm
321.	Erythromycin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	05 gm

322.	Ferric citrate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
323.	Hydrogen peroxide	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 L
324.	Isoamyl alcohol	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	1.5 L
325.	Kenamycin discs	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	01 Pack
326.	L-cystine	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
327.	MacConkey agar	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
328.	Malachite green	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 mg
329.	Methylene blue	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	50 gm
330.	Para dimethyl aminobenzaldehyde	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 mg
331.	Peptone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
332.	Safranin	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	25 g
333.	Sodium thioglycolate	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	100 gm
334.	Soya peptone	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm
335.	Yeast extract	Commercial Grade, Good packing quality, Sigma, Merck, Daejeon or equivalent	500 gm

Department Petroleum & Gas
Chemical

Sr #	Name of Item	Specifications	Qty.
1.	Barite	Powder form (99%) colors: tan Density Min. 4.20 g/cm ³	1 kg

		Lab Grade	
2.	Bentonite	Powder form (99%) Lab Grade	3 kg
3.	Xanthan Gum	Powder form (99%) Lab Grade	500 g
4.	Toluene	Liquid form Lab Grade	1 L
5.	Potassium Chloride	Powder form (99%) Lab Grade	1 kg
6.	Zinc Chloride	Powder form (99%) Lab Grade	1 kg
7.	Aluminum Chloride hexahydrate	Powder form (99%) Lab Grade	3 kg
8.	Calcium Carbonate	Powder form (99%) Lab Grade	4 kg
9.	Calcium Chloride	Powder form (99%) Lab Grade	3 kg
10.	Tin Chloride	Powder form (99%) Lab Grade	500 g
11.	2-propanol	Liquid form Lab Grade	1 L
12.	Polyacrylamide	24 million Molecular weights with 25% degree of hydrolysis Lab Grade	500 Gram
13.	Hydrogen Peroxide	35 % purity Lab Grade	1 L

Glassware

1.	Beaker	LAB Scientific Glass Beaker Set with Magnetic Stir Bar Offered, 5 Sizes 50ml, 100ml, 250ml, 500ml, 1000ml, with Printed Graduation	3 each
2.	Beaker	Beaker Set with Handles, 5 Sizes 50ml / 100ml /250ml /500ml /1000ml Capacity Clear Plastic Graduated Measuring Beaker Set Liquid Cup Container, 5 PCs	2 each
3.	Graduated Cylinders	Glass Graduated Cylinder Set Thick Measuring Cylinders 5ml, 10 ml, 50ml, 100ml with 2 Glass Stirring Rod and 1 Brush	2 each
4.	Lab wares	Essential Lab Tools Starter Pack – Crucible Beaker, Tongs, Lab Spatula, Scoop, Spoon, Test Tube, Clamps, Sterilizer, Forceps, Tweezers	1 each
5.	Lab Gloves	Nitrile Exam Gloves, Medium and Large size, Box/100	1 Box each
6.	Droppers	Glass droppers 5ML, Set Transfer Graduated Pipettes	20 PCS

Department Botany

Chemicals

Sr #	Name of Item	Specifications	Quantity
1.	2,4-Dichlorophenoxyacetic acid	Lab/Commercial Grade	100 gm

	(2,4-D)		
2.	6-Benzylaminopurine (BAP)	Lab/Commercial Grade	25 gm
3.	Kinetin (KIN)	Lab/Commercial Grade	5 gm
4.	Indole-3-acetic acid (IAA)	Lab/Commercial Grade	25 gm
5.	Naphthalene-3-acetic acid (NAA)	Lab/Commercial Grade	25 gm
6.	TDZ (1-phenyl-3-(1,2,3-thiadiazol-5-yl)-urea)	Lab/Commercial Grade	1 gm
7.	Sodium alginate	Lab/Commercial Grade	500gm
8.	Sodium Hypochlorite (NaOCl)	Lab/Commercial Grade	1 litter
9.	Plant tissue culture agar	Lab/Commercial Grade	500gm
10.	Sucrose	Lab/Commercial Grade	1kg
11.	Synthetic MS	Lab/Commercial Grade	500 gm
12.	Nutrient Broth	Lab/Commercial Grade	500 gm
13.	Nutrient agar	Lab/Commercial Grade	500 gm
14.	Potato dextrose agar (PDA)	Lab/Commercial Grade	500 gm
15.	Methanol	Lab/Commercial Grade	2.5 litter
16.	Silver Nitrate (AgNO ₃)	Lab/Commercial Grade	25 gm
17.	Titanium Dioxide	Lab/Commercial Grade	500 g
18.	Copper Sulphate Pentahydrate	Lab/Commercial Grade	1 kg
19.	Zinc Nitrate Hexahydrate	Lab/Commercial Grade	1 kg
20.	Zinc Sulphate	Lab/Commercial Grade	500 gm
21.	Iron Sulphate Heptahydrate	Lab/Commercial Grade	1 kg
22.	Aluminium Chloride Hexahydrate	Lab/Commercial Grade	500 gm
23.	Ethanol (99.9%)	Lab/Commercial Grade	2.5 litter
24.	Hydrogen Peroxide	Lab/Commercial Grade	1 litter
25.	Perchloric Acid	Lab/Commercial Grade	500 ml
26.	Buffer solution	Lab/Commercial Grade	1 litter
27.	Riboflavin	Lab/Commercial Grade	25 gm
28.	Toluene	Lab/Commercial Grade	2.5 litter
29.	Folin-Ciocalteu's phenol reagent	Lab/Commercial Grade	100 ml
30.	Potassium Dichromate	Lab/Commercial Grade	1kg
31.	Quercetin	Lab/Commercial Grade	10 gm
32.	Ninhydrin Reagent	Lab/Commercial Grade	25 gm
33.	Sodium Bicarbonate	Lab/Commercial Grade	1 kg
34.	Sulfuric acid	Lab/Commercial Grade	2.5 litter
35.	Acetic acid	Lab/Commercial Grade	2.5 litter
36.	N-Hexane	Lab/Commercial Grade	5 litter

37.	Bromine Water	Lab/Commercial Grade	1 litter
38.	Acetone	Lab/Commercial Grade	2.5 litter
39.	Clorox	Lab/Commercial Grade	975ml
40.	Sodium nitrate	Lab/Commercial Grade	1 kg
41.	Gelatin	Lab/Commercial Grade	500 gm
42.	Hematoxylin	Lab/Commercial Grade	100 ml
43.	Rooting powder (IBA)	Lab/Commercial Grade	100 gm
44.	Chloroform	Lab/Commercial Grade	5 litter

Glassware

Sr #	Name of Item	Specifications	Quantity
1.	Beakers 100 ml	Pyrex or equivalent	100
2.	Beakers 250 ml	Pyrex or equivalent	100
3.	Beakers 500 ml	Pyrex or equivalent	70
4.	Beakers 1000 ml	Pyrex or equivalent	30
5.	Test tubes 6 inch	Pyrex or equivalent	200
6.	Test tubes 8 inch	Pyrex or equivalent	100
7.	Funnel small 60mm glass	China or equivalent	5
8.	Funnel medium 75mm Glass	China or equivalent	5
9.	Funnel large 90mm Glass	China or equivalent	5
10.	Glass stirrer	China or equivalent	10
11.	Measuring cylinder 100 ml	China or equivalent	5
12.	Measuring cylinder 250 ml	China or equivalent	5
13.	Measuring cylinder 500 ml	China or equivalent	5
14.	Measuring cylinder 1000 ml	China or equivalent	5
15.	Conical flask 100 ml	Pyrex or equivalent	80
16.	Conical flask 250 ml	Pyrex or equivalent	80
17.	Conical flask 500 ml	Pyrex or equivalent	80
18.	Conical flask 1000 ml	Pyrex or equivalent	50
19.	Volumetric flask with flat bottom 500 ml	Pyrex or equivalent	5
20.	Petri dishes 4 inch (90mm glass)	Normex or equivalent	200
21.	Petri dishes 8 inch (90mm glass)	Normex or equivalent	50
22.	Reagent Bottle 250 ml S/Cap	Pyrex or equivalent	60
23.	Reagent Bottle 500 ml S/Cap	Pyrex or equivalent	100
24.	Reagent Bottle 1000 ml S/Cap	Pyrex or equivalent	100

Department of Zoology

GLASSWARE

Sr No.	Name of Item	Specifications	Quantity
1.	Test tube	20x150mm, Pyrex, good quality	200
2.	Test tube holder	Metallic with plastic holder	30
3.	Test tube rack	6 Holes, 6 column Plastic Test Tube Rack	30
4.	Test tube rack	14Mm, 40 Hole Aluminum Rack	5
5.	Glass rod/stirrer	30cm Pyrex, good quality	30
6.	Dropper	10, 20 ml Pyrex, good quality or equivalent	30 each
7.	Pipette + sucker	5, 10, 20 ml Pyrex, good quality or equivalent	30 each
8.	Spirit lamp	150ml, Pyrex, good quality or equivalent	40
9.	Plain slides 3" x 1"	25.4mm x 76.2mm (Surgical Hut), Pyrex	5 boxes
10.	Cover slips 18 x 18 mm	22x22mm (PEARL), Pyrex	5 boxes
11.	Beaker	1000ml Pyrex	20
12.	Beaker	500ml Pyrex, good quality or equivalent	20
13.	Beaker	250ml Pyrex, good quality or equivalent	20
14.	Beaker	100ml Pyrex, good quality or equivalent	20
15.	Beaker	50ml Pyrex, good quality or equivalent	20
16.	Conical flask	1000ml Pyrex, good quality or equivalent	5
17.	Conical flasks	500ml Pyrex, good quality or equivalent	6
18.	Conical flasks	250ml Pyrex, good quality or equivalent	10
19.	Conical flasks	100ml Pyrex, good quality or equivalent	10
20.	Funnel small	50 mm Pyrex, good quality or equivalent	6
21.	Funnel medium	75 mm Pyrex, good quality or	4

		equivalent	
22.	Funnel large	100 mm Pyrex, good quality or equivalent	4
23.	Powder funnel	100mm Pyrex, good quality or equivalent	4
24.	Graduated cylinders	1000 ml Pyrex, good quality or equivalent	5
25.	Graduated cylinders	500 ml Pyrex, good quality or equivalent	6
26.	Graduated cylinders	250 ml Pyrex, good quality or equivalent	10
27.	Graduated cylinders	100 ml Pyrex, good quality or equivalent	10
28.	Graduated cylinders	50 ml Pyrex, good quality or equivalent	10
29.	Graduated cylinders	10 ml Pyrex, good quality or equivalent	10
30.	Pipettes graduated	20 ml Pyrex, good quality or equivalent	2
31.	Pipettes graduated	10 ml Pyrex, good quality or equivalent	12
32.	Pipettes graduated	5 ml Pyrex, good quality or equivalent	12
33.	Pipettes graduated	1 ml Pyrex, good quality or equivalent	12
34.	Petri dishes 4" dia	Petri dishes 4" Pyrex, good quality or equivalent	3
35.	Petri dishes 6" dia	Petri dishes 6" Pyrex, good quality or equivalent	2
36.	Reagent bottle	250 ml Pyrex, good quality or equivalent	30
37.	Reagent bottle	500 ml Pyrex, good quality or equivalent	20
38.	Surgical Tray	8" x 10" stain less steel	20
39.	Burette	50 ml with Teflon stopcock, Pyrex, or equivalent	5
40.	Plain glass slides with cavity	Plain glass slides with cavity Pyrex, or equivalent	10

41.	Specimen jars	Glass (small + medium + large), Pyrex, or equivalent	1
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Chemical

Sr No.	Name of Item	Specifications	Quantity
1.	Ethyl alcohol	95%, Commercial scale	3 Liter
2.	CuSO ₄	Powder Lab grade	1 kg.
3.	NaOH	Pellet anhydrous, Lab grade	1 kg
4.	HCl	Liquid lab grade	2 Liter
5.	Benedict's Reagent	Dark blue, quantitative soln.	1 Liter
6.	Glucose	Lab-grade, anhydrous	2 kg
7.	Starch	Lab-grade	3 kg
8.	Sodium Acetate	Lab-grade powder, Anhydrous, Lab-grade	0.5 kg
9.	Glycerin	99.5%, Liquid Lab-grade	3 Liter
10.	Formaline	37%, Lab-grade	1 liter
11.	Spirit Methylated	95% denatured ethanol, Lab-grade	0.5 Liter
12.	Acetic Acid	95%, Lab-grade	1 Liter
13.	Immersion Oil	Microscopic immersion oil, Lab- grade	7 ml
14.	Xylol or Xylene	95%, Lab-grade	1.5 Liters
15.	Clove Oil	95%, Lab-grade	0.5 Liter
16.	Canada Balsam	95%, Lab-grade	1 kg
17.	Agar	Powder, Lab-grade	1 kg
18.	Wax (white and Yellow)	All-purpose hard wax, Lab-grade	1 kg
19.	Plaster of Paris	Dry powder, Lab-grade	1 kg
20.	Potassium Hydroxide	Dry powder, Lab-grade	2 kg
21.	Sodium Bicarbonate	Lab-grade powder	2 kg
22.	Sulfuric acid	95%, Lab-grade	1 Liter
23.	Ammonium Hydroxide	29%, Lab-grade	1 Liter
24.	Potassium permanganate	Lab-grade powder	1kg
25.	Iodine	Lab-grade powder	0.5 kg
26.	Potassium Iodide	99.8%, Lab-grade	100g
27.	Acetone	99.9%, Lab-grade	1 Liter
28.	Giemsa stain	Lab-grade powder	10g
29.	Methylene Blue	Lab-grade dye 90%	10g
30.	Eosin	Lab-grade powder (yellow)	25g

31.	Sucrose	Lab-grade powder	5 kg
32.	Yeast	Active, Dry, Lab-grade powder	1 kg
33.	Barium Sulphate	Lab-grade powder	500g
34.	Butanol	Lab-grade soln.	500ml
35.	Boric acid	Lab-grade powder	1 kg
36.	Petroleum ether	Lab-grade soln.	2 liter
37.	Nitric Acid	99%, Lab-grade	1 Liter
38.	Benzene	99%, Lab-grade	1 liter
39.	Egg Albumen	Lab-grade powder	100g
40.	Naphthaline	Lab-grade powder	1 kg
41.	Sodium Chloride	Lab-grade powder	5 kg
42.	Pepsin	Lab-grade powder	7g
43.	Lipase	Lab-grade powder	9g
44.	Amylase	Lab-grade powder	43g
45.	Pectin	Lab-grade powder	4 kg
46.	Potassium dichromate	Lab-grade powder	1 kg
47.	Methyl red	Lab-grade powder	25 g
48.	Phenolphthalein	Lab-grade powder	100 g
49.	Crystal violet	Lab-grade	25 g
50.	Safranin	Lab-grade powder	25 g
51.	MRS broth	Lab-grade powder	1 kg
52.	Universal PH papers	Lab-grade	5 Packets
53.	Liquid soap	Lab-grade	5 Liters

DEPARTMENT OF HND
CHEMICALS

Sr. No	Name of Items	Specifications	Qty.
1-	Sodium Hydroxide	Pellet, anhydrous Lab grade	1 Kg
2-	Ascorbic Acid	Powder Lab Grade	1 Kg
3-	Oxalic Acid	Powder Lab grade	2 Kg
4-	Ethanol	95% commercial scale	5 liters
5-	EDTA Disodium Salt	Powder Lab grade	100g
6-	Iron Sulphate	Powder Lab grade	2 Kg
7-	Potassium Sorbate	Powder Lab grade	1 Kg

8-	Guar Gum	Powder Lab grade	2 Kg
9-	Glycerol	Liquid Lab grade	5 liters
10-	Calcium Nitrate	Powder Lab grade	500
11-	Citric Acid	Powder Lab grade	1 Kg
12-	Boric Acid	Powder Lab grade	500 g
13-	Diammonium Hydrogen Phosphate	Powder Lab grade	1 Kg
14-	Potassium Hydroxide	Powder Lab grade	1 Kg
15-	Sodium Sulphate Anhydrous	Powder Lab grade	1 Kg
16-	Sodium Benzoate	Powder Lab grade	1 Kg
17-	Potassium Sulphate	Powder Lab grade	1 Kg
18-	Pectin	Powder Lab grade	4 kg
19-	Potassium Citrate	Powder Lab grade	1 Kg
20-	Magnesium Chloride	Powder Lab grade	2 Kg
21-	Potassium Oxalate	Powder Lab grade	1 Kg
22-	Sodium Thiosulphate	Powder Lab grade	1 Kg
23-	Nutrient Agar	Powder Lab grade	1 kg
24-	Potassium Sodium Tatarate Tetra Hydrate	Powder Lab grade	2 Kg
25-	Sodium Carbonate	Powder Lab grade	2 Kg
26-	Copper Sulphate	Powder Lab grade	1 Kg
27-	Ammonium Dehydrogen Phosphate	Powder Lab grade	1Kg
28-	Sodium Chloride	Powder Lab grade	1 Kg
29-	Carboxy Methyl Cellulose (CMC)	Powder Lab grade	500gram
30-	Ammonium Sulphate	Powder Lab grade	1 Kg
31-	Hydrogen Per Oxide	Liquid Lab grade	2 L
32-	Potassium Dichromate	Powder Lab grade	1 Kg
33-	Sodium Bicarbonate	Powder Lab grade	1 Kg
34-	Silica Gel HF260	Powder Lab grade	1 Kg
35-	Potassium Per Magnate	Powder	1 Kg

		Lab grade	
36-	Maltodextrin	Powder Lab grade	1 Kg
37-	Potassium Meta Bisulphate	Powder Lab grade	1 Kg
38-	Sorbic Acid	Powder Lab grade	1 Kg
39-	HCL	Concentrated Liquid Lab grade	2.5 L
40-	Nitric Acid	Liquid Lab grade	2.5 L
41-	H ₂ SO ₄	Concentrated Lab grade	1 L
42-	Methyl Red	Powder Lab grade	100 grams
43-	Phenolphthalein	Powder Lab grade	100 grams
44-	Petroleum Ether	Liquid Lab grade	5 L
45-	Hexane	Liquid Lab grade	5 L
46-	Methanol	Liquid Lab grade	5 L
47-	Glacial Acetic Acid	Concentrated Lab grade	2.5 L
48-	DPPH Reagent	Powder Lab grade	2 grams
49-	EDTA (Ethylenediamine Tetra acetic Acid)	Powder Lab grade	1 kg
50-	HPMC (Hydroxypropyl methylcellulose)	Powder Lab grade	100 g
51-	Acetone	Liquid (99.5%) Lab grade	2.5 L
52-	Ammonium Hydroxide	29% Lab grade	1 L
53-	Crystal Violet	Liquid Lab grade	25 g
54-	Iodine	Powder Lab grade	50 g
55-	Safranin	Powder Lab grade	25 g
56-	Dichloromethane	Powder Lab grade	5 L
57-	Sodium Alginate	Powder Lab grade	500 g
58-	Flavor (Orange, mango, strawberry)	Food grade	25ml each bottle
59-	Food color (Orange, yellow, strawberry)	Food grade	25 g each bottle
60-	Folin Ciocalteu Reagent	Liquid Lab grade	500 ml
61-	Glycerin	37% Lab grade	250 ml
62-	Corn Starch	Lab Grade	500 g
63-	Glucose	Lab Grade	500 g

64-	MRS Broth	Powder Lab grade	1 Kg
65-	Yeast	Active, dry, lab grade powder	500 g
66-	Distilled water	Distilled water	60 L
67-	Immersion oil	Microscopic immersion oil	5ml
68-	MRS Agar	Powder Lab grade	1 Kg
69-	Calcium chloride	Powder Lab grade	500 g
70-	Methylene Blue	Lab grade/Dye content,90%	10 g
71-	Methyl Orange	Lab grade/85%	25 g
72-	Gelatin	Powder Lab grade	1Kg
73-	Olive oil	Liquid	2 L
74-	Mustard oil	Liquid	2 L
75-	Aspartic acid	Powder Lab grade	500 gm
76-	White flour (Maida)	Powder	5 kg
77-	Dextrose	Powder Lab grade	10 Kg

GLASSWARE

Sr. No	Name of Items	Specifications	Qty.
1.	Aluminum foil	Aluminum foil	20
2.	Desiccator (300 MM)	(300 MM) Vacuum nozzle, 2 each small medium large	2 each
3.	Condenser 24/29	Pyrex, good quality or equiv	15
4.	Reagent bottle with stopper (500ml)	Borosilicate glass	30
5.	Wash bottle with nozzle	Plastic with nozzle	40
6.	Crucible bowl dish cup (100g)	Ceramic	30
7.	Graduated pipette	1, 5, 10, 20 ml Pyrex, good quality or equiv	10 each
8.	Flat bottom boiling flask 250 ml	Pyrex, good quality or equiv	20
9.	Burette (10 mL)	Pyrex, good quality or equiv.	30
10.	Burette (50 mL)	Pyrex, good quality or equiv.	30
11.	Kjeldahl flask (500ml)	Pyrex, good quality or equiv	15
12.	Glass bottles with steel lid (jam bottles) 250g	For Packaging bottles local	125

13.	Glass bottles with steel lid (jam bottles) 500g	For Packaging bottles local	125
14.	Round bottom boiling flask with flat bottle (500ml)	Pyrex, good quality or equiv	20
15.	Conical flask (250 ml)	Pyrex, good quality or equiv	25
16.	Plastic squash bottles	Plastic local, 1000 mL	100
17.	Measuring cylinder (10ml)	Glass	20
18.	China dishes	Bone china/local	25
19.	Filter paper sheet	Cotton fiber	20 sheets
20.	Beaker 50ml	Pyrex, good quality or equiv	50
21.	Beaker 100ml	Pyrex, good quality or equiv	50
22.	Beaker 250ml	Pyrex, good quality or equiv	50
23.	Beaker 500ml	Pyrex, good quality or equiv	50
24.	Beaker 1000ml	Pyrex, good quality or equiv	50
25.	Conical flask 100 ml	Pyrex, good quality or equiv	5
26.	Conical flask 250 ml	Pyrex, good quality or equiv	5
27.	Conical flask 500 ml	Pyrex, good quality or equiv	5
28.	Conical flask 1000 ml	Pyrex, good quality or equiv	5
29.	Sample bottles with plastic lid 250ml	Pyrex, good quality or equiv	5 each
30.	Sample bottles with plastic lid 500ml	Pyrex, good quality or equiv	5 each
31.	Sample bottles with plastic lid 1000ml	Pyrex, good quality or equiv	5 each
32.	Petri dishes (6 inch)	Standard size Glass	50
33.	Petri dishes (6 inch)	Standard size Plastic	300
34.	Zip bags small size	Polyethylene	500 pcs
35.	Zip bag medium size	Polyethylene	500 pcs
36.	Zip bag large size	Polyethylene	500 pcs
37.	Pipette filler	Rubber	4
38.	Test tube rack	plastic 6 holes	10

39.	Gloves (small, medium, large)	Nitrile latex	2 pack each
40.	Cling foil wrap	Cling foil	2 pack
41.	Test tubes rack	Metallic 6holes	10
42.	Test tubes (13ml) with lid	Pyrex, good quality or equiv	50
43.	Centrifuge tubes (5ml)	Polypropylene	50 pcs
44.	Whatmann filter # 1	Cotton fiber	5
45.	Whatmann filter # 3	Cotton fiber	5
46.	Whattman filter # 4	Cotton fiber	5
47.	MicroPipette	0.2-2 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
48.	MicroPipette	0.5-10 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
49.	MicroPipette	2-20 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
50.	MicroPipette	10-100 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
51.	MicroPipette	20-200 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
52.	MicroPipette	100-1000 μ l, Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
53.	MicroPipette	1-5ml Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
54.	MicroPipette	1-10ml Autoclaveable pipettor Single channel adjustable volume with 3 tip boxes UK, Germany or equiv	1
55.	Glass bottles (250ml) with glass stoppers	Pyrex, good quality or equiv	10

56.	Round bottom flask with single neck (100mL)	Pyrex, good quality or equiv.	25
57.	2-neck R. B. flask (100mL)	Pyrex, good quality or equiv.	15
58.	2-neck R. B. flask (250mL)	Pyrex, good quality or equiv.	15
59.	Capillary tube	Pyrex, good quality or equiv.	50
60.	Cover slip	Pyrex, good quality or equiv.	25 Boxes
61.	Digital thermometer and hygrometer	Pyrex, good quality or equiv.	5
62.	Glass funnel (75mL)	Pyrex, good quality or equiv.	100
63.	Glass funnel (100 mL)	Pyrex, good quality or equiv.	100
64.	Glass funnel (50 mL)	Pyrex, good quality or equiv.	100
65.	Glass slide	China, Taiwan, good quality or equiv.	100
66.	Glass rod	China, Taiwan good quality or equiv.	40 Boxes
67.	Glass vials	China, Taiwan, good quality or equiv.	100
68.	Pipette stand (metal rod)	China, Taiwan, good quality or equiv.	40
69.	Pipette suckers (Rubber)	China, Taiwan, good quality or equiv.	150
70.	Volumetric flask (100 mL)	Pyrex, good quality or equiv.	100
71.	Volumetric flask (500 mL)	Pyrex, good quality or equiv.	100
72.	Volumetric flask (250 mL)	Pyrex, good quality or equiv.	100
73.	Volumetric flask (50 mL)	Pyrex, good quality or equiv.	100

Financial Proposal/Technical Proposal will be evaluated on the basis of One person One Bid in terms of Rule 36A (PPRA Rules 2014). No serial # or item name will be changed in the financial proposal. The bidder will quote per unit rate with GST and Total amount with GST as per given serial number/item name in the bidding documents. The bidder will follow the bidding documents in letter and spirit.

Annexure- A Technical Proposal Covering Letter

To

The Convener,
Central Purchase Committee,
University of Chakwal,
Chakwal.

Dear Sir,

We are hereby submitting our Proposal, which includes the Technical Proposal and the Financial Proposal sealed in two separate envelopes. We have attached the **Technical Bid Form, Check List, Detailed Specifications** and the required **supporting documents** along with our Technical Bid.

Yours sincerely,

Authorized Signature

(In full and initials)

Name and Designation of Signatory Name of Firm Address

Annexure- B Check List

The bidder must attach this list along with the Bid

1.1. Packing of the Bid

S#	Description	YES/NO
1	Whether the Bid is submitted in Two Envelopes	
2	Technical Proposal	<i>Envelope A</i>
3	Financial Proposal	<i>Envelope B</i>
4	Whether both Technical and Financial Proposals are put into another Outer Envelope.	

1.2. SUBMISSION AND ARRANGEMENT OF SUPPORTING DOCUMENTS

The Bidder must provide all the Supporting Documents, number all the pages of supporting documents, provide the page information and arrange the documents in the following order:

Envelope A: Enclosures of Technical Proposal		Attached YES/NO	Page#
1	Covering Letter		
2	Copy of Income Tax Registration Certificate		
3	Copy of Sales Tax Registration Certificate		
4	Affidavit/Undertaking on the Stamp Paper		
5	Specifications of quoted items on the Letter Head of the bidder		
6	Two Supply Orders for supply of relevant items received in the past		
7	The specified catalogues / brochures of items quoted by the bidder		
Note: All the above documents and any other supporting document must be numbered and page number must be mentioned in the column specified for the purpose.			
Total Number of pages attached with the Technical Bid			_____ Pages
8	Tender Document duly signed and stamped each page by the bidder must be attached at the end of the Technical Bid but numbering is not required for this document.		

Envelope B :Enclosures of Financial Proposal		Attached YES/No	Page #
1	Financial Proposal Form duly filled, signed and stamped by the bidder		
2	Price Schedule Form duly filled, signed and stamped by the bidder		
3	Bid Security in shape of Bank Draft, Pay Order or CDR.		

Annexure- C Bid Form

A) Profile of the Bidder:

S#	Particulars	BIDDER
1	Name of the Company	
<u>2</u>	Year of Incorporation	
<u>3</u>	Registered Office	
	Address	
	Office Telephone Number	
	Fax Number	
<u>4</u>	Contact Person	
	Name of Authorized Representative	
	Personal Telephone Number	
	Email Address	
<u>5</u>	Registration Detail	
	NTN Registration Number	
	GST Registration Number	

B) Bid Security (Please do not mention amount of CDR)

S#	Particulars	Please Furnish Details
1	Name of the Bank	
2	Instrument Number and Date	

Annexure- D AFFIDAVIT/BIDDER'S UNDERTAKING ON THE STAMP PAPER

Ref: **Tender No. 01/2023**

1. We have examined the Tender/Bid Document and we undertake to meet the requirements regarding supply of Items, warranty and services as required and are prescribed in the Tender Document.
2. It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with.
3. We have read the provisions of Tender/Bid Document and confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our response shall not be given effect to.
4. We agree to unconditionally accept all the terms and conditions set out in the Tender/Bid Document
5. We undertake, if our Bid is accepted, to supply the items within the delivery period mentioned in the Tender Document.
6. We understand that no document regarding evaluation criteria will be accepted after opening of the Technical Bids and we are bound to provide all the documentary proofs regarding evaluation criteria or any other supporting document at the time of opening of Technical Bids.
7. We agree that the Purchase Committee of University of Chakwal is not bound to accept the lowest or any of the bids received. We also agree that the Purchase Committee reserves the right in absolute sense to reject all the products/ services specified in the Bid Response without assigning any reason whatsoever under PPRA Rules 2014.
8. We also declare that our Company/Organization is not blacklisted by any of the Federal or Provincial Government in Pakistan.

[Name and Signatures of authorized Person along with stamp]

Annexure- E Financial Proposal Form
(to be attached with Financial Proposal)

To

The Convener,
Central Purchase Committee,
University of Chakwal,
Chakwal.

Dear Sir,

With Reference to your Tender No.01/2023 OF PURCHASE OF CHEMICAL AND GLASSWARE;
Please find attached our Financial Proposal for the sum of Rs. (insert amount in words and figures)_. This
amount is inclusive of all taxes.

We have attached the Bid Security of amount Rs.294,000/- (Rupees two hundred ninety four thousand
Only) having CDR, Demand Draft, Pay Order No. along with our Financial Bid.

Yours sincerely,
Authorized Signature

Annexure- F Price Schedule

(Please attach this page along with Financial Bid or quote rates on the Letter Head of the Bidder)

CHEMICAL AND GLASSWARE**Department Physics****Chemical**

Sr #	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
01	Phosphoricacid		2.5L		
02	Potassium Permanganate		1Kg		
03	Hydrogenperoxide		0.5L		
04	HydrogenChloride		2.5L		
05	1-hexanol		2.5L		
06	Ethanol		5L		
07	Acetone		2.5L		
08	Iron nitrate		300 gm		
09	Zinc Nitrate		500gm		
10	ManganeseNitrate		1Kg		
11	NaOH Pellets		1Kg		

Glassware

Sr. #	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
12	Beaker (50mL)		40		

13	Beaker (100mL)		40		
14	Beaker (500mL)		18		
15	Beaker (1000mL)		15		
16	Lab gloves		5 boxes		
17	Lab- spatulas		Each size = 2		
18	Aluminumfoil		2		

Department of Chemistry
Chemicals

Sr #	Name of Item	Specifications	Qty.	Unit Price with GST	Total Price with GST
1	Ethanol		5*5 L		
2	Silver Nitrate		500 g		
3	Methanol		5 L		
4	Potassium Chromate		100 g		
5	Phenolphthalein		100 g		
6	Methyl Orange		25 g		
7	Chloroform		5 L		
8	Spirit (Ethyl Alcohol)		10 L		
9	Ammonium Nitrate		500 g		
10	Fluorescence Indicator		50 g		
12	Ethylene Glycol		500 ml *5		
13	8-hydroxy Quanoline		50 g		
14	Acetic Acid		1L		
15	Acetone		5 L		
16	Potassium Dichromate		100 g		
17	Charcoal		250 g		
18	Iodine (Solid)		50 g		
19	Benzaldehyde		50 g		
20	Ether (Diethyl Ether)		500 ml		
21	Maleic Acid		100 g		
22	Phthalimide		100 g		

23	Cyclohexanol		1L		
24	Acetophenone		100 ml		
25	Ninhydrin		10 g		
26	Sodium Metal		50 g		
27	Phosphoric Acid		500 ml		
28	Sodium Hydroxide		500 g		
29	Methylene Blue		10 g		
30	Hydrochloric Acid		5 L		
31	Sodium dihydrogen phosphate		500 g		
32	Titanium dioxide		500 g		
33	CTAB		4*50 g		
34	Polyethylene glycol		500 g		
35	Polystyrene beads		20 Kg		

Glassware

Sr #	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
01	Graduated Cylinder		09 (three each size)		
02	Wash Bottles		5 (500 ml)		
03	Conical flasks		20 (10 in each size)		
04	Lab Spatulas		0.01-10g		
05	Cleaning Brushes		5		
06	Dropping Funnel		1		
07	Pipette		5		
08	Thermometer		5		
09	Separating Funnels		1		
10	Litmus Papers		1 pack each (24 sheets)		
11	Burettes		10		
12	Measuring Cylinder (10,100,1000)ml		6 (two each volume)		
13	Droppers		5		
14	Spirit Lamp		10		
15	Chromatographic Tank		1		
16	Conical beakers		18 (six for each size)		
17	TLC Plates		25		
18	T-tube		5		

19	Condenser		5		
20	Condenser Pipes		1		
21	UV Visible lamp		06		

Department Pharmacy

Glassware

Sr. No.	Name of item	Specificatio ns	Qty.	Unit Price with GST	Total Price with GST
1.	Beaker (100 mL)		500		
2.	Beaker (1000 mL)		120		
3.	Round bottom flask single neck (100mL), flat bottom		50		
4.	2-neck R. B. flask (100 mL)		25		
5.	2-neck R. B. flask (250 mL)		25		
6.	Beaker (25 mL)		200		
7.	Beaker (250 mL)		200		
8.	Beaker (50 mL)		200		
9.	Beaker (500 mL)		200		
10.	Capillary tube		100		
11.	Cover slip		50 Boxes		
12.	Digital thermometer and hygrometer		5		
13.	Round bottom flask single neck (250mL)		50		
14.	Glass funnel (75mL)		150		
15.	Glass funnel (100 mL)		150		
16.	Glass funnel (50 mL)		150		
17.	Glass rod		150		
18.	Glass slide		20boxes		
19.	Glass vials		200		
20.	Graduated cylinder (10 mL)		100		
21.	Graduated cylinder (100 mL)		200		
22.	Graduated cylinder (1000 mL)		100		
23.	Graduated cylinder (25 mL)		150		
24.	Graduated cylinder (250 mL)		120		
25.	Graduated cylinder (50 mL)		100		
26.	Graduated cylinder (500 mL)		100		
27.	Paraffin stripe roll		10		

28.	Petri dishes (4 inch) (glass)		100		
29.	Petri dishes (6 inch) (glass)		100		
30.	Pipette pyrex (1 mL)		100		
31.	Pipette pyrex (10 mL)		100		
32.	Pipette pyrex (2 mL)		100		
33.	Pipette pyrex (20 mL)		100		
34.	Pipette pyrex (5 mL)		100		
35.	Pipette stand (metal rod)		40		
36.	Pipette suckers (rubber)		100		
37.	Reagent bottle (250 mL)		100		
38.	Stainless steel forceps (Fine tip, straight)		50		
39.	Stainless steel spatula (small, medium and large)		20 Each		
40.	Syringes (1 mL)		10 Boxes		
41.	Syringes (3 mL)		10 Boxes		
42.	Syringes (5 mL)		10 Boxes		
43.	Test tube (13 mL)		500		
44.	Tyrode bottle and accessories		10		
45.	Volumetric flask (100 mL)		100		
46.	Volumetric flask (1000 mL)		50		
47.	Volumetric flask (250 mL)		100		
48.	Volumetric flask (50 mL)		100		
49.	Volumetric flask (500 mL)		50		
50.	Butterfly needles 25'		50		
51.	Drip Sets (i.v.)		50		
52.	3-neck R. B. flask (100 mL)		20		
53.	3-neck R. B. flask (250 mL)		20		
54.	Buchner filter funnel (Porcelain)		30		
55.	Burette (10 mL)		50		
56.	Burette (50 mL)		50		
57.	Burettes borosilicate glass (10ml)		15		

58.	Burettes borosilicate glass (50 mL)		15		
59.	Centrifuges tubes (5 mL)		50		
60.	Clamp stand with clamp		50		
61.	Conical flask (100 mL)		100		
62.	Conical flask (1000 mL)		25		
63.	Conical flask (250 mL)		100		
64.	Conical flask (50 mL)		100		
65.	Conical flask (500 mL)		50		
66.	Fusion tube		10 box		
67.	Hollow stopper (Glass) different sizes		100		
68.	Round bottom flask single neck (1000 mL), flat bottom		10		
69.	Round bottom flask single neck (500 mL), flat bottom		15		
70.	Separating funnel (1000 mL)		10		
71.	Separating funnel (250 mL)		25		
72.	Separating funnel (500 mL)		25		
73.	Watch glass Large		150		
74.	Tripod stand (Metal)		50		
75.	Watch glass small		150		
76.	Glass depression slides (Micro)		11 Packs		
77.	Durham tubes		2 box		
78.	EDTA tubes (for blood samples)		03 Packs		
79.	Inoculating loop holder		6		
80.	Pipette tip box (10 uL)		04 Packs		
81.	Pipette tip box (100 uL)		04 Packs		
82.	Pipette tip box (1000 uL)		04 Packs		
83.	Spirit lamp		50		
84.	Aspiration flasks/ vacuum flask with stopper		6		
85.	Glass columns of various sizes (1,2,3		05 each		

	inches)				
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Chemical

Sr. No.	Name of Item	Specification	Quantity	Unit Price with GST	Total Price with GST
1.	Acacia gum/Arabic gum		02 Kg		
2.	Acetaminophen USP		500 gm		
3.	Acetone		10L		
4.	Acetyl salicylic acid		1 Kg		
5.	Acrylic acid		01 L		
6.	Activated Charcoal		02 Kg		
7.	Amaranth dye		500 gm		
8.	Anise oil		1L		
9.	Arachis oil		1 L		
10.	Ascorbic acid		1 Kg		
11.	Bees wax (White)		03 Kg		
12.	Bees wax (Yellow)		01 Kg		
13.	Bentonite		01 Kg		
14.	Benzene		2.5 L		
15.	Benzocaine USP		500 gm		
16.	Benzoic acid		2 Kg		
17.	Benzoin powder		100 gm		
18.	Borax		2 Kg		
19.	Boric acid		02 Kg		
20.	Calamine powder		02 Kg		
21.	Calcium carbonate		03 Kg		
22.	Calcium chloride		3 Kg		
23.	Calcium hydroxide		3 Kg		
24.	Calcium phosphate		2 kg		
25.	Camphor		500 gm		
26.	Canada balsam		01 Kg		
27.	Carbon tetrachloride		2.5 L		
28.	Cardamom oil		500 ml		
29.	Castor oil		100 ml		
30.	Cetomacrogol		01 Kg		
31.	Cetostearyl alcohol or cetylstearylalcohol or cetearyl alcohol		02 Kg		
32.	Cetyl ester wax (Spermaceti)		02 Kg		
33.	Chloroform		10 L		
34.	Cinnamon oil		500 ml		
35.	Citric acid (monohydrate)		3 Kg		
36.	Clove oil		1L		
37.	Coconut oil		2 L		
38.	Copper sulphate		05 Kg		
39.	Corn starch		01Kg		
40.	Dextrose		5 Kg		
41.	Dibasic Calcium		03 Kg		

	Phosphate			
42.	Emulsifying wax		01 Kg	
43.	Ethanol		20 L	
44.	Ethyl acetate		15 L	
45.	Ferrous sulfate		02 Kg	
46.	Gelatin		1Kg	
47.	Glacial Acetic acid		5L	
48.	Glass beads(Ion exchange resin)		500 gm	
49.	Glycerin		10 L	
50.	Heavy Kaolin		01 Kg	
51.	Hydrochloric acid conc.		10 L	
52.	Hydrocortisone		500 g	
53.	Hydroxypropyl methylcellulose (HPMC)		01 Kg	
54.	Iodine		500 gm	
55.	Isopropyl palmitate		01 L	
56.	Lactose		06 Kg	
57.	Lanette wax		01 Kg	
58.	Lanoline /wool wax/ wool fat		03 Kg	
59.	Lavender oil		500 mL	
60.	Lecithin		01 Kg	
61.	Lemon oil		500 mL	
62.	Light kaolin		03 Kg	
63.	Light magnesium carbonate		03 Kg	
64.	Liquid paraffin/ Mineral oil		05 L	
65.	Liquid phenol or liquefied phenol		01 L	
66.	Magnesium stearate		01 Kg	
67.	Menthol		100 gm	

68.	Methanol		15 L		
69.	Methocel E15 LV (Binder in granulation)		500 gm		
70.	Methyl benzoate (Perfuming agent)		01 L		
71.	Methyl Cellulose USP		01 Kg		
72.	Methyl paraben or Methyl hydroxybenzoate		250 gm		
73.	Methyl salicylate		01 L		
74.	Methylene bisacrylamide (MBA)		500 gm		
75.	Microcrystalline cellulose (Avicel pH101)		01Kg		
76.	Naphthalene		02 Kg		
77.	Nutmeg oil		500 mL		
78.	Oleic acid		01 L		
79.	Orange oil		500 mL		
80.	Oxalic acid		02 Kg		
81.	Paraffin hard		02 Kg		
82.	Paraffin soft/ White soft paraffin/ White ointment USP/White petroleum jelly		02 Kg		
83.	Peppermint oil		500 mL		
84.	Petrolatum		01 Kg		
85.	Phenolphthalein		200 gm		
86.	Phosphoric acid		01 L		
87.	Poloxamer 407(pluronic F127)		03 L		
88.	Polyethylene glycol PEG (200)		01 L		

89.	Polyethylene glycol PEG (3350) or PEG 40		01 Kg		
90.	Polyethylene glycol PEG (400) or PEG 8		01 L		
91.	Polyvinyl alcohol (PVA)		500 gm		
92.	Polyvinyl pyrrolidone (PVP)		01 Kg		
93.	Potassium chloride		5 Kg		
94.	Potassium hydroxide		5 Kg		
95.	Potassium iodide		500 gm		
96.	Potassium metabisulfite(preservative)		500 gm		
97.	Potassium Phosphate		01 Kg		
98.	Potassium sorbate		250 gm		
99.	Povidone		100 gm		
100.	Precipitated Sulphur		01 Kg		
101.	Propyl paraben or propyl hydroxyl benzoate		100 gm		
102.	Propylene glycol		02 L		
103.	Rose oil		1 L		
104.	Saccharine or Sodium saccharin		01 Kg		
105.	Salicylic acid		500 gm		
106.	Silica gel (Micronized)		1 Kg		
107.	Sodium alginate		500 gm		
108.	Sodium benzoate		01 Kg		
109.	Sodium bicarbonate		05 Kg		
110.	Sodium carbonate (anhydrous)		05 Kg		
111.	Sodium carboxymethyl		01 Kg		

	cellulose				
112.	Sodium chloride		8 Kg		
113.	Sodium citrate (anhydrous)		2 Kg		
114.	Sodium fluoride		500 gm		
115.	Sodium hydroxide		2 Kg		
116.	Sodium Iodide		2 Kg		
117.	Sodium lauryl sulphate		500 gm		
118.	Sodium metabisulphite		500gm		
119.	Sodium phosphate		01 Kg		
120.	Sodium phosphate dibasic/ Disodium hydrogen phosphate		05 Kg		
121.	Sodium phosphate monobasic/ Mono basic dihydrogen phosphate		05 Kg		
122.	Sodium tetra borate		500 gm		
123.	Sodium thiosulphate		1 Kg		
124.	Soft soap		01 Kg		
125.	Sorbic acid		500gm		
126.	Sorbitol Powder		01 Kg		
127.	Span 20		500 mL		
128.	Span 80		500 mL		
129.	Starch		03 Kg		
130.	Stearic acid		500 gm		
131.	Sublimed sulphur		500 gm		
132.	Sucrose		05 kg		
133.	Sulphuric acid, conc		2.5L		
134.	Talc		02 Kg		

135.	Tartaric acid		500g		
136.	Thymol		100 gm		
137.	Titanium dioxide (creams)		500 gm		
138.	Tolubalsm/ Balsm of tolu		250 gm		
139.	Tragacanth		01 Kg		
140.	Triethanolamine lauryl sulphate		10 gm		
141.	Tween 20		250 mL		
142.	Tween 80		500 mL		
143.	Vanillin		100 gm		
144.	Zinc oxide		500 gm		
145.	1-naphthol		100 gm		
146.	2-propanol (anhydrous)		01 L		
147.	3,5 dinitro salicylic acid		500 gm		
148.	Ammonia solution		3 L		
149.	Ammonium oxalate		500 gm		
150.	Aniline		2.5 L		
151.	Aspartic acid		500 gm		
152.	Benzaldehyde		500 mL		
153.	Benzamide		200 gm		
154.	Benzophenone		01 Kg		
155.	Bromine		500 gm		
156.	Chlorobenzene		01 L		
157.	Creatinine		25 gm		
158.	Cupric acetate		500 gm		
159.	Cupric oxide		500 g		
160.	Cupric sulphate		01 Kg		

161.	Diacetylmonoxime		100 gm		
162.	Dichloromethane		10 L		
163.	Diethyl ether		2.5 L		
164.	Dinitrophenyl hydrazine		500 gm		
165.	Dipotassium hydrogen phosphate		5 kg		
166.	Disodium phosphotungstate		2 kg		
167.	Ferric aluminum sulphate (Ferric alum)		1 kg		
168.	Ferric chloride		3 kg		
169.	Fructose		3 kg		
170.	Glycine		Minimum pack size		
171.	Isoamyl alcohol		Minimum pack size		
172.	Lead acetate		1 kg		
173.	Lithium carbonate		1 kg		
174.	Magnesium carbonate		3 kg		
175.	Magnesium chloride		03 Kg		
176.	Magnesium sulphate (anhydrous)		02 Kg		
177.	Maltose		500 gm		
178.	Methyl red		50 gm		
179.	n-Butanol		2.5 L		
180.	Ninhydrin		50 gm		
181.	Nitric acid		2.5 L		
182.	Para-amino phenol		1 Kg		
183.	Petroleum ether		10 L		
184.	Phenol		1kg		
185.	Sodium nitrate		1 Kg		

186.	Phenol red		25 gm		
187.	Phenyl hydrazine hydrochloride		100 mg		
188.	Phloroglucinol		100 gm		
189.	Picric acid		500 gm		
190.	Potassium permanganate		500 g		
191.	Pyridine		1 L		
192.	Resorcinol		250 gm		
193.	Silver nitrate		100 gm		
194.	Sodium metal		1kg		
195.	Sodium acetate		1 Kg		
196.	Sodium hydrogen sulphate		1 Kg		
197.	Sodium potassium tartrate		500 gm		
198.	Sodium Sulphate anhydrous		2 kg		
199.	Sulphanilic acid		100 gm		
200.	Sulphuric acid conc.		2.5 L		
201.	Tartaric acid		500 gm		
202.	Thiosemicarbazide		200 g		
203.	Thiourea		500 gm		
204.	Universal pH paper		05 Packs		
205.	Urea		500 gm		
206.	Uric acid		25 gm		
207.	Zinc dust		200 gm		
208.	Acetylcholine perchlorate		05 gm		
209.	Adrenaline inj. Vial		10 Vials		
210.	Antisera A, B and D		01 Bottle		

			each		
211.	Atropine sulphate		05gm		
212.	Calcium chloride		05 Kg		
213.	Cedar wood oil		500 mL		
214.	ECG Gel		2L		
215.	EDTA powder		500 gm		
216.	Gentian Violet		25 gm		
217.	Histamine		25 gm		
218.	Homatropine Eye Drops		10 Bottles		
219.	Leishman's powder		25 gm		
220.	Magnesium sulphate heptahydrate		01 Kg		
221.	Mercuric Chloride		100 gm		
222.	Phenylephrine		05 gm		
223.	Pilocarpine 2% Eye Drop		10 Bottles		
224.	Pilocarpine 4% Eye Drop		10 Bottles		
225.	Prazocin		05 gm		
226.	Propranolol		100 gm		
227.	Pyrrillamine		05 gm		
228.	Serotonin		05 gm		
229.	Sodium bicarbonate		02 Kg		
230.	Warfarin Sodium Tab. 5 mg		20 Tablets		
231.	Xylocaine HCl 10% Eye Drops		10 Bottles		
232.	Xylocaine HCl 2% Injection		15 Bottles		
233.	Paracetamol Injection		15 vials		
234.	Diazepam Injection		20 vials		

235.	Dicloron injection		10 vials		
236.	Lignocaine gel		3 tubes		
237.	Mask		10 Box		
238.	Scopolamine hydrochloride		25gm		
239.	Methyl Scopolamine bromide		25gm		
240.	Piracetam injection		10 Vials		
241.	Gloves box		10 box		
242.	Pentylene tetrazole		25gm		
243.	Picrotoxin		5gm		
244.	Strychnine		5gm		
245.	1-naphthol		100 gm		
246.	Aluminum chloride		01 Kg		
247.	Aluminum hydroxide		01 Kg		
248.	Aluminum sulphate		01 Kg		
249.	Ammonium chloride		01 Kg		
250.	Balsam (Peru)		25 mL		
251.	Benedict's reagent		100 mL		
252.	Butanol		10 L		
253.	Caffeine powder		25 gm		
254.	Carbol fuchsin		50 gm		
255.	Choral hydrate		25 gm		
256.	Copper acetate		500 gm		
257.	Crystal violet dye		50 gm		
258.	Ethylene glycol		01 L		
259.	Fehling solution A		500 mL		
260.	Fehling solution B		500 mL		

261.	Glutamic acid		100 mg		
262.	Malachite green		25 mg		
263.	Mayer's reagent		100 mL		
264.	Mercuric Chloride		100 gm		
265.	Methylene blue		50 gm		
266.	Mustard oil		100 mL		
267.	<i>n</i> -Hexane		10 L		
268.	Nitric acid		2.5 L		
269.	Potassium carbonate		500 gm		
270.	Potassium dichromate		500 gm		
271.	Tannic acid		500 gm		
272.	Turpentine oil		500 mL		
273.	Anise (Sonf Rumi)		Quantity Sufficient for One Jar		
274.	Black Mustard (Raai)		Quantity Sufficient for One Jar		
275.	Camphor (Kafoor)		Quantity Sufficient for One Jar		
276.	Caraway (Zeera)		Quantity Sufficient for One Jar		
277.	Cassia (Amaltas)		Quantity Sufficient for One Jar		
278.	Castor Seed (Arind)		Quantity Sufficient for One Jar		
279.	Catechu (Katha)		Quantity Sufficient for One		

			Jar		
280.	Cinnamon (Dar Chini)		Quantity Sufficient for One Jar		
281.	Coffee		Quantity Sufficient for One Jar		
282.	Colocynth (Kortumma) 250 gm		Quantity Sufficient for One Jar		
283.	Curcuma (Haldi)		Quantity Sufficient for One Jar		
284.	Curry Leaves		Quantity Sufficient for One Jar		
285.	Ephedra (Sum Kulpa)		Quantity Sufficient for One Jar		
286.	Eucalyptus Oil 250 ml		Quantity Sufficient for One Jar		
287.	Fennel (Sonf)		Quantity Sufficient for One Jar		
288.	Glycyrrhiza (Mulathi)		Quantity Sufficient for One Jar		
289.	Gum Acacia (Gond Kekar)		Quantity Sufficient for One Jar		
290.	Gum Tragacanth (GoondhKatira)		Quantity Sufficient for One Jar		
291.	Hyoscyamus Niger (AjwainKhasani)		Quantity Sufficient for One Jar		

292.	Ispaghol		Quantity Sufficient for One Jar		
293.	Nutgall (Mazo Phal)		Quantity Sufficient for One Jar		
294.	Nutmeg (Jaiful)		Quantity Sufficient for One Jar		
295.	Nux Vomica Powder (Kuchla)		Quantity Sufficient for One Jar		
296.	Nux Vomica seed (Kuchla)		Quantity Sufficient for One Jar		
297.	Ocimum (Tulsi seed)		Quantity Sufficient for One Jar		
298.	Papaver Somniferum (Khashkhas)		Quantity Sufficient for One Jar		
299.	Peppermint (Podina) “		Quantity Sufficient for One Jar		
300.	Podophyllum (Bhun Bhakra)		Quantity Sufficient for One Jar		
301.	Raspberry Oil 500 ml		Quantity Sufficient for One Jar		
302.	Rauwolfia (Choti Chandan)		Quantity Sufficient for One Jar		
303.	Senna (Sana Mukki)		Quantity Sufficient for One Jar		
304.	Stramonium (Dhatura)		Quantity		

			Sufficient for One Jar		
305.	Sunflower Oil 100 ml		Quantity Sufficient for One Jar		
306.	Tea (Chai Patti)		Quantity Sufficient for One Jar		
307.	Thyme (ban Ajwain)		Quantity Sufficient for One Jar		
308.	Valerian (Bal Char)		Quantity Sufficient for One Jar		
309.	1-naphthol		500 gm		
310.	Agar		03 kg		
311.	Ammonium dihydrogen phosphate		500 gm		
312.	Ampicillin discs		01 Pack		
313.	Barium chloride		01 Kg		
314.	Beef extract		500 gm		
315.	Bovine Serum Albumin		25 gm		
316.	Bromothymol blue		25 gm		
317.	Carbol fuchsin		50 gm		
318.	Casein enzyme hydrolysates (tryptone)		500 gm		
319.	Ciprofloxacin		05 gm		
320.	Eosin Y		25 gm		
321.	Erythromycin		05 gm		
322.	Ferric citrate		500 gm		
323.	Hydrogen peroxide		01 L		

324.	Isoamyl alcohol		1.5 L		
325.	Kenamycin discs		01 Pack		
326.	L-cystine		100 gm		
327.	MacConkey agar		500 gm		
328.	Malachite green		25 mg		
329.	Methylene blue		50 gm		
330.	Para dimethyl aminobenzaldehyde		100 mg		
331.	Peptone		500 gm		
332.	Safranin		25 g		
333.	Sodium thioglycolate		100 gm		
334.	Soya peptone		500 gm		
335.	Yeast extract		500 gm		

Department Petroleum & Gas
Chemical

Sr #	Name of Item	Specifications	Qty.	Unit Price with GST	Total Price with GST
1.	Barite		1 kg		
2.	Bentonite		3 kg		
3.	Xanthan Gum		500 g		
4.	Toluene		1 L		
5.	Potassium Chloride		1 kg		
6.	Zinc Chloride		1 kg		
7.	Aluminum Chloride hexahydrate		3 kg		
8.	Calcium Carbonate		4 kg		
9.	Calcium Chloride		3 kg		
10.	Tin Chloride		500 g		
11.	2-propanol		1 L		
12.	Polyacrylamide		500 Gram		
13.	Hydrogen Peroxide		1 L		

Glassware

Sr #	Name of Item	Specifications	Qty.	Unit Price with GST	Total Price with GST
1.	Beaker		3 each		
2.	Beaker		2 each		
3.	Graduated Cylinders		2 each		

4.	Lab wares		1 each		
5.	Lab Gloves		1 Box each		
6.	Droppers		20 PCS		

Department Botany

Chemicals

Sr #	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
45.	2,4-Dichlorophenoxyacetic acid (2,4-D)		100 gm		
46.	6-Benzylaminopurine (BAP)		25 gm		
47.	Kinetin (KIN)		5 gm		
48.	Indole-3-acetic acid (IAA)		25 gm		
49.	Naphthalene-3-acetic acid (NAA)		25 gm		
50.	TDZ (1-phenyl-3-(1,2,3-thiadiazol-5-yl)-urea)		1 gm		
51.	Sodium alginate		500gm		
52.	Sodium Hypochlorite (NaOCl)		1 liter		
53.	Plant tissue culture agar		500gm		
54.	Sucrose		1kg		
55.	Synthetic MS		500 gm		
56.	Nutrient Broth		500 gm		
57.	Nutrient agar		500 gm		
58.	Potato dextrose agar (PDA)		500 gm		
59.	Methanol		2.5 liter		
60.	Silver Nitrate (AgNO ₃)		25 gm		
61.	Titanium Dioxide		500 g		
62.	Copper Sulphate Pentahydrate		1 kg		
63.	Zinc Nitrate Hexahydrate		1 kg		
64.	Zinc Sulphate		500 gm		
65.	Iron Sulphate		1 kg		

	Heptahydrate				
66.	Aluminium Chloride Hexahydrate		500 gm		
67.	Ethanol (99.9%)		2.5 litter		
68.	Hydrogen Peroxide		1 litter		
69.	Perchloric Acid		500 ml		
70.	Buffer solution		1 litter		
71.	Riboflavin		25 gm		
72.	Toluene		2.5 litter		
73.	Folin-Ciocalteu's phenol reagent		100 ml		
74.	Potassium Dichromate		1kg		
75.	Querectin		10 gm		
76.	Ninhydrin Reagent		25 gm		
77.	Sodium Bicarbonate		1 kg		
78.	Sulfuric acid		2.5 litter		
79.	Acetic acid		2.5 litter		
80.	N-Hexane		5 litter		
81.	Bromine Water		1 litter		
82.	Acetone		2.5 litter		
83.	Clorox		975ml		
84.	Sodium nitrate		1 kg		
85.	Gelatin		500 gm		
86.	Hematoxylin		100 ml		
87.	Rooting powder (IBA)		100 gm		
88.	Chloroform		5 litter		

Glassware

Sr #	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
25.	Beakers 100 ml		100		
26.	Beakers 250 ml		100		
27.	Beakers 500 ml		70		
28.	Beakers 1000 ml		30		
29.	Test tubes 6 inch		200		
30.	Test tubes 8 inch		100		
31.	Funnel small 60mm glass		5		
32.	Funnel medium 75mm		5		

	Glass				
33.	Funnel large 90mm Glass		5		
34.	Glass stirrer		10		
35.	Measuring cylinder 100 ml		5		
36.	Measuring cylinder 250 ml		5		
37.	Measuring cylinder 500 ml		5		
38.	Measuring cylinder 1000 ml		5		
39.	Conical flask 100 ml		80		
40.	Conical flask 250 ml		80		
41.	Conical flask 500 ml		80		
42.	Conical flask 1000 ml		50		
43.	Volumetric flask with flat bottom 500 ml		5		
44.	Petri dishes 4 inch (90mm glass)		200		
45.	Petri dishes 8 inch (90mm glass)		50		
46.	Reagent Bottle 250 ml S/Cap		60		
47.	Reagent Bottle 500 ml S/Cap		100		
48.	Reagent Bottle 1000 ml S/Cap		100		

Department of Zoology
GLASSWARE

Sr No.	Name of Item	Specifications	Quantity	Unit Price with GST	Total Price with GST
1.	Test tube		200		
2.	Test tube holder		30		
3.	Test tube rack		30		
4.	Test tube rack		5		
5.	Glass rod/stirrer		30		
6.	Dropper		30 each		
7.	Pipette + sucker		30 each		

8.	Spirit lamp		40		
9.	Plain slides 3" x 1"		5 boxes		
10.	Cover slips 18 x 18 mm		5 boxes		
11.	Beaker		20		
12.	Beaker		20		
13.	Beaker		20		
14.	Beaker		20		
15.	Beaker		20		
16.	Conical flask		5		
17.	Conical flasks		6		
18.	Conical flasks		10		
19.	Conical flasks		10		
20.	Funnel small		6		
21.	Funnel medium		4		
22.	Funnel large		4		
23.	Powder funnel		4		
24.	Graduated cylinders		5		
25.	Graduated cylinders		6		
26.	Graduated cylinders		10		
27.	Graduated cylinders		10		
28.	Graduated cylinders		10		
29.	Graduated cylinders		10		
30.	Pipettes graduated		2		
31.	Pipettes graduated		12		
32.	Pipettes graduated		12		
33.	Pipettes graduated		12		
34.	Petri dishes 4" dia		3		
35.	Petri dishes 6" dia		2		
36.	Reagent bottle		30		
37.	Reagent bottle		20		
38.	Surgical Tray		20		
39.	Burette		5		
40.	Plain glass slides with cavity		10		
41.	Specimen jars		1		

Chemical

Sr	Name of Item	Specifications	Quantity	Unit Price with	Total Price
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No.				GST	with GST
1.	Ethyl alcohol		3 Liter		
2.	CuSO ₄		1 kg.		
3.	NaOH		1 kg		
4.	HCl		2 Liter		
5.	Benedict's Reagent		1 Liter		
6.	Glucose		2 kg		
7.	Starch		3 kg		
8.	Sodium Acetate		0.5 kg		
9.	Glycerin		3 Liter		
10.	Formaline		1 liter		
11.	Spirit Methylated		0.5 Liter		
12.	Acetic Acid		1 Liter		
13.	Immersion Oil		7 ml		
14.	Xylol or Xylene		1.5 Liters		
15.	Clove Oil		0.5 Liter		
16.	Canada Balsam		1 kg		
17.	Agar		1 kg		
18.	Wax (white and Yellow)		1 kg		
19.	Plaster of Paris		1 kg		
20.	Potassium Hydroxide		2 kg		
21.	Sodium Bicarbonate		2 kg		
22.	Sulfuric acid		1 Liter		
23.	Ammonium Hydroxide		1 Liter		
24.	Potassium permanganate		1kg		
25.	Iodine		0.5 kg		
26.	Potassium Iodide		100g		
27.	Acetone		1 Liter		
28.	Giemsa stain		10g		
29.	Methylene Blue		10g		
30.	Eosin		25g		
31.	Sucrose		5 kg		
32.	Yeast		1 kg		
33.	Barium Sulphate		500g		
34.	Butanol		500ml		
35.	Boric acid		1 kg		
36.	Petroleum ether		2 liter		

37.	Nitric Acid		1 Liter		
38.	Benzene		1 liter		
39.	Egg Albumen		100g		
40.	Naphthaline		1 kg		
41.	Sodium Chloride		5 kg		
42.	Pepsin		7g		
43.	Lipase		9g		
44.	Amylase		43g		
45.	Pectin		4 kg		
46.	Potassium dichromate		1 kg		
47.	Methyl red		25 g		
48.	Phenolphthalein		100 g		
49.	Crystal violet		25 g		
50.	Safranin		25 g		
51.	MRS broth		1 kg		
52.	Universal PH papers		5 Packets		
53.	Liquid soap		5 Liters		

DEPARTMENT OF HND
CHEMICALS

Sr. No	Name of Items	Specifications	Qty.	Unit Price with GST	Total Price with GST
1-	Sodium Hydroxide		1 Kg		
2-	Ascorbic Acid		1 Kg		
3-	Oxalic Acid		2 Kg		
4-	Ethanol		5 liters		
5-	EDTA Disodium Salt		100g		
6-	Iron Sulphate		2 Kg		
7-	Potassium Sorbate		1 Kg		
8-	Guar Gum		2 Kg		
9-	Glycerol		5 liters		
10-	Calcium Nitrate		500		
11-	Citric Acid		1 Kg		
12-	Boric Acid		500 g		
13-	Diammonium Hydrogen Phosphate		1 Kg		
14-	Potassium Hydroxide		1 Kg		
15-	Sodium Sulphate Anhydrous		1 Kg		
16-	Sodium Benzoate		1 Kg		
17-	Potassium Sulphate		1 Kg		

18-	Pectin		4 kg		
19-	Potassium Citrate		1 Kg		
20-	Magnesium Chloride		2 Kg		
21-	Potassium Oxalate		1 Kg		
22-	Sodium Thiosulphate		1 Kg		
23-	Nutrient Agar		1 kg		
24-	Potassium Sodium Tatarate Tetra Hydrate		2 Kg		
25-	Sodium Carbonate		2 Kg		
26-	Copper Sulphate		1 Kg		
27-	Ammonium Dehydrogen Phosphate		1Kg		
28-	Sodium Chloride		1 Kg		
29-	Carboxy Methyl Cellulose (CMC)		500gram		
30-	Ammonium Sulphate		1 Kg		
31-	Hydrogen Per Oxide		2 L		
32-	Potassium Dichromate		1 Kg		
33-	Sodium Bicarbonate		1 Kg		
34-	Silica Gel HF260		1 Kg		
35-	Potassium Per Magnate		1 Kg		
36-	Maltodextrin		1 Kg		
37-	Potassium Meta Bisulphate		1 Kg		
38-	Sorbic Acid		1 Kg		
39-	HCL		2.5 L		
40-	Nitric Acid		2.5 L		
41-	H ₂ SO ₄		1 L		
42-	Methyl Red		100 grams		
43-	Phenolphthalein		100 grams		
44-	Petroleum Ether		5 L		
45-	Hexane		5 L		
46-	Methanol		5 L		
47-	Glacial Acetic Acid		2.5 L		
48-	DPPH Reagent		2 grams		
49-	EDTA (Ethylenediamine Tetra acetic Acid)		1 kg		
50-	HPMC (Hydroxypropyl methylcellulose)		100 g		
51-	Acetone		2.5 L		
52-	Ammonium Hydroxide		1 L		
53-	Crystal Violet		25 g		
54-	Iodine		50 g		
55-	Safranin		25 g		
56-	Dichloromethane		5 L		
57-	Sodium Alginate		500 g		
58-	Flavor (Orange, mango,		25ml		

	strawberry)		each bottle		
59-	Food color (Orange, yellow, strawberry)		25 g each bottle		
60-	Folin Ciocalteu Reagent		500 ml		
61-	Glycerin		250 ml		
62-	Corn Starch		500 g		
63-	Glucose		500 g		
64-	MRS Broth		1 Kg		
65-	Yeast		500 g		
66-	Distilled water		60 L		
67-	Immersion oil		5ml		
68-	MRS Agar		1 Kg		
69-	Calcium chloride		500 g		
70-	Methylene Blue		10 g		
71-	Methyl Orange		25 g		
72-	Gelatin		1Kg		
73-	Olive oil		2 L		
74-	Mustard oil		2 L		
75-	Aspartic acid		500 gm		
76-	White flour (Maida)		5 kg		
77-	Dextrose		10 Kg		

GLASSWARE

Sr. No	Name of Items	Specifications	Qty.	Unit Price with GST	Total Price with GST
72.	Aluminum foil		20		
73.	Desiccator (300 MM)		2 each		
74.	Condenser 24/29		15		
75.	Reagent bottle with stopper (500ml)		30		
76.	Wash bottle with nozzle		40		
77.	Crucible bowl dish cup (100g)		30		
78.	Graduated pipette		10 each		
79.	Flat bottom boiling flask 250 ml		20		
80.	Burette (10 mL)		30		
81.	Burette (50 mL)		30		
82.	Kjeldahl flask (500ml)		15		
83.	Glass bottles with steel lid (jam bottles) 250g		125		

84.	Glass bottles with steel lid (jam bottles) 500g		125		
85.	Round bottom boiling flask with flat bottle (500ml)		20		
86.	Conical flask (250 ml)		25		
87.	Plastic squash bottles		100		
88.	Measuring cylinder (10ml)		20		
89.	China dishes		25		
90.	Filter paper sheet		20 sheets		
91.	Beaker 50ml		50		
92.	Beaker 100ml		50		
93.	Beaker 250ml		50		
94.	Beaker 500ml		50		
95.	Beaker 1000ml		50		
96.	Conical flask 100 ml		5		
97.	Conical flask 250 ml		5		
98.	Conical flask 500 ml		5		
99.	Conical flask 1000 ml		5		
100.	Sample bottles with plastic lid 250ml		5 each		
101.	Sample bottles with plastic lid 500ml		5 each		
102.	Sample bottles with plastic lid 1000ml		5 each		
103.	Petri dishes (6 inch)		50		
104.	Petri dishes (6 inch)		300		
105.	Zip bags small size		500 pcs		
106.	Zip bag medium size		500 pcs		
107.	Zip bag large size		500 pcs		
108.	Pipette filler		4		

109.	Test tube rack		10		
110.	Gloves (small, medium, large)		2 pack each		
111.	Cling foil wrap		2 pack		
112.	Test tubes rack		10		
113.	Test tubes (13ml) with lid		50		
114.	Centrifuge tubes (5ml)		50 pcs		
115.	Whatmann filter # 1		5		
116.	Whatmann filter # 3		5		
117.	Whatman filter # 4		5		
118.	MicroPipette		1		
119.	MicroPipette		1		
120.	MicroPipette		1		
121.	MicroPipette		1		
122.	MicroPipette		1		
123.	MicroPipette		1		
124.	MicroPipette		1		
125.	MicroPipette		1		
126.	Glass bottles (250ml) with glass stoppers		10		
127.	Round bottom flask with single neck (100mL)		25		
128.	2-neck R. B. flask (100mL)		15		
129.	2-neck R. B. flask (250mL)		15		
130.	Capillary tube		50		
131.	Cover slip		25 Boxes		
132.	Digital thermometer and hygrometer		5		
133.	Glass funnel (75mL)		100		

134.	Glass funnel (100 mL)		100		
135.	Glass funnel (50 mL)		100		
136.	Glass slide		100		
137.	Glass rod		40 Boxes		
138.	Glass vials		100		
139.	Pipette stand (metal rod)		40		
140.	Pipette suckers (Rubber)		150		
141.	Volumetric flask (100 mL)		100		
142.	Volumetric flask (500 mL)		100		
72	Volumetric flask (250 mL)		100		
73.	Volumetric flask (50 mL)		100		

Annexure- G Contract Agreement Form

THIS AGREEMENT made the *[day]* day of *[month]* *[year]* between *[University of Chakwal]* (hereinafter called “the University”) of the one part and *[name and address of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the University invited Tenders for certain goods and related services, viz, *[brief description of goods and related services]* and has accepted a Tender by the Supplier (Supply of Applied Geology Laboratory Equipment) for the supply of those goods and related services in the sum of Rs. *[Contract Price in figures and in words]* (hereinafter called “the Contract Price”).

NOW THEREFORE the parties hereby agree as follow:

- 1- The following documents attached shall be deemed to form and integral part of this Contract:
 - i- Tender/Bid Document
 - ii- Letter of Acceptance
 - iii- Performance Guarantee equal to 10% of Contract Price in shape of CDR, Demand Draft or Pay Order.
- 2- The Terms and Conditions of Supply Order/Contract given in the Tender/Bid Document will be applicable.
- 3- The mutual rights and obligations of the University and the Supplier will be preserved in the light of the Terms and Conditions mentioned in the Tender /Bid Document.

IN WITNESS whereof the parties have caused this Contract to be executed in accordance with the laws of Pakistan on the day, month and year written above.

For University of Chakwal

For the Supplier:

Signature

Print Name

Title