E-5 (Revised and Enlarged)

PROCUREMENT OF GOODS

UNDER

SHOPPING PROCEDURES

(For Contracts valued more than the equivalent of US $ 30,000 and less than US $1,00,000 each)

REF: 2/8/2018-Proc-D DT. 27/09/2018

INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS UNDER SHOPPING PROCEDURES

To

Dear Sir,

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF CHEMICLAS

1. You are invited to submit your most competitive quotation for the supply of following goods: -

Brief Description of the Goods	Specifications	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Chemicals, Consumables, Glasswares and Plasticwares	Refer Annex – I	Refer Annex – I	30 – 45 days	NCSCM, Chennai	

2. Government of India has received a credit from the International Development Association (IDA) in various currencies Integrated Coastal Zone Management Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. To assist you in the preparation and submission of your quotation, we are enclosing the Bid Document.

4. You are requested to provide your offer latest by **15/10/2018** hours on 11**.00AM**

6. We look forward to receiving your quotations and thank you for your interest in this Project.

(Purchaser)

Name: .....

Address: .....
.....
Tel. No. .....
Fax No. .....

Instructions to Bidders

A. General

1. Eligible Goods and Services

1.1 All goods and ancillary services to be supplied under the Contract shall have their origin in eligible source countries, defined in the IBRD Guidelines for Procurement and all expenditures made under the Contract will be limited to such goods and services.

2. Cost of submission of Quotations:

2.1 The Bidder shall bear all costs associated with the preparation and submission of its quotation, and NCSCM, hereinafter referred to as "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

3. Content of Bidding Document:

3.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

(a) Instruction to Bidders (ITB);
(b) Schedule of Requirements;
(c) Technical Specifications;
(d) Quotation Form and Price Schedules;
(e) Contract Form;
(f) Conditions of Contract
(g) Performance Security Form;
(h) Performance Statement Form;

3.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a quotation not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its quotation.

C. Preparation of Quotations

4. Documents Constituting the Quotation:

4.1 The quotation prepared by the Bidder shall comprise the following components:

(a) The completed Quotation Form and Price Schedule;
(b) Documentary evidence established in accordance with ITB Clause 7 that the Bidder is eligible to quote and is qualified to perform the contract if its quotation is accepted;

5. Quotation Form

5.1 The Bidder shall complete the Quotation Form and the Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, and their country of origin, quantity and prices.

6. Bid Prices:

6.1 The Bidder shall indicate on the Price Schedule the unit prices and total bid prices (in Indian Rupees) of the goods it proposes to supply under the Contract. However, Bidders shall quote for the complete requirement of goods and services specified under each item on a single responsibility basis, failing which such bids will not be taken into account for evaluation and will not be considered for award.

6.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:

(i) The price of the goods, quoted delivered to the consignee including all duties and sales and other taxes already paid or payable:
(ii) Any sales and other taxes which will be payable on the goods if this Contract is awarded; and
(iii) The price of other incidental services listed in Clause of Conditions of Contract.

6.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A quotation submitted with an adjustable price will be treated as non-responsive and rejected.

7. Documents Establishing Bidder's Eligibility and Qualifications:

7.1 The Bidder shall furnish, as part of its quotation, following documents to establish the Bidder's eligibility to quote and its qualifications to perform the Contract if its quotation is accepted.

(a) Bidder is manufacturer/agent authorized by the manufacturer/Authorized dealer;
(b) The legal status, place of registration, place of business of the company, or firm or partnership;
(c) In case of manufacturer:
  (i) Details of Manufacturing unit;
  (ii) Copy of Manufacturing license duly renewed up to date;
  (iii) Copy of Capacity installation certificate;
(d) In case of agent Manufacturer's authorization to submit quotation on his behalf;
(e) In case of authorized dealer, Manufacturer's authorization for the goods for which quotation is being submitted;
(f) Copy of Annual turnover statement for preceding three financial years namely (2014 - 2015 to 2016 - 2017);
(g) Copies of balance sheet and profit and loss account for preceding three financial years, namely (2014 - 2015 to 2016 - 2017);
(h) Copy of Registration with Commercial Tax Authorities and TAN number;
(i) PAN number with self-attested copy of PAN;
(j) Details of experience and past performance of the bidder on equipment offered and those of similar nature during the past three financial years namely (2014 - 2015 to 2016 - 2017) in the format attached;
(k) Details of current contracts/commitments on hand in the format attached;
(l) Certificate of origin of the equipment offered;

8. Documents Establishing Goods' Conformity to Bidding Documents

8.1 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of:

(a) a detailed description of the essential technical and performance characteristics of the goods

(b) a list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of two years, following commencement of the use of the goods by the Purchaser; and

(c) an item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

9. Period of Validity of Bids

9.1 Bids shall remain valid for 60 days after the deadline for submission of quotations prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive. In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable or e-mail or fax). A Bidder granting the request will not be required nor permitted to modify its bid.

10 Format and Signing of Bid

10.1 The Bidder shall prepare one copy of the quotation. The quotation shall be typed or written in indelible ink and shall be signed by the Bidder to bind the Bidder to the Contract. All pages of the bid, except for un amended printed literature, shall be initialed by the person signing the quotation. Any interlineations, erasures or overwriting shall be valid only if they are initialed by the persons signing the quotation

D. Submission of Quotation

11. Sealing and marking of quotation:

11.1 The Bidders shall seal the quotation. The envelope containing the quotation shall:

(a) be addressed to the Purchaser at the following address:

The Director
National Centre for Sustainable Coastal Management
Ministry of Environment Forest & Climate Change (MoEF & CC)
Anna University Campus
Chennai – 600025

(b) The Tender Document superseding **"Tender reference Number and Do not open before 15/10/2018 on 11.00 AM"**

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

11.3 If the envelope is not sealed and marked as required by ITB Clause 11.1, the Purchaser will assume no responsibility for the Quotation's misplacement or premature opening.

11.4 E-mail, cable or facsimile bids will be rejected.

12. Deadline for Submission of Quotations

12.1 Quotations must be received by the Purchaser at the address specified under ITB Clause 11.1 (a) no later than the time and date specified in the Invitation for Quotations (Section I). In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day.

12.2 The Purchaser may, at its discretion, extend this deadline for submission of quotations by amending the bid documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

13. Late Bids

13.1 Any quotation received by the Purchaser after (as per Purchaser's clock) the deadline for submission of quotations prescribed by the Purchaser, will be rejected and/or returned unopened to the Bidder.

E. Opening and Evaluation of Quotations

14. Clarification of Quotations

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

15. Preliminary Examination

15.1 The Purchaser will examine the quotations to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the quotations are generally in order.

15.2 Arithmetical errors if any be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the supplier does not accept the correction of errors, its quotation will be rejected.

15.3 The Purchaser may waive any minor informality or non-conformity or irregularity in a quotation which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Bidder.

15.4 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each quotation to the bidding documents. For purposes of these Clauses, a substantially responsive quotation is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 5), Warranty (GCC Clause 13), Payment (GCC Clause 14) and Delivery (GCC Clause 8) will be deemed to be a material deviation. The Purchaser's determination of a quotation's responsiveness is to be based on the contents of the quotation itself without recourse to extrinsic evidence.

15.5 If a quotation is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

16. Evaluation and Comparison of Quotations:

16.1 The Purchaser will evaluate and compare the quotations which have been determined to be substantially responsive. No quotation will be considered if the complete requirements covered in the item is not included in the quotation.

16.2 The Purchaser's evaluation of a bid will exclude and not take into account, in the case of goods manufactured in India or goods of foreign origin already located in India, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder.

16.3 The Purchaser's evaluation of a bid will take into account, in addition to the bid price (Delivery up to final destination) and price of incidental services, the availability in India of spare parts and after-sales services for the goods / equipment offered in the quotation

F. Award of Contract

17. Post-qualification

17.1 The Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive quotation meets the following Qualification Criteria and is qualified to perform the contract satisfactorily.

(a) In the case the Bidder is a Manufacturer, he should have manufactured, tested and supplied the equipment (s) similar to the type specified in the "Schedule Requirements" up to at least one contract of 80% of the quantity required in any one of the past three financial years (namely 2014-2015 to 2016 – 2017).

"OR"

He should have manufactured, tested and supplied the equipment (s) similar to the type specified in the "Schedule Requirements" up to at least two contracts of 60% of the quantity required in any one of the past three financial years (namely 2014 – 2015 to 2016 – 2017).

"OR"

He should have manufactured, tested and supplied the equipment (s) similar to the type specified in the "Schedule Requirements" up to at least three contracts of 40% of the quantity required in any one of the past three financial years (namely 2014 – 2015 to 2016 – 2017).

The equipment offered for supply must be of the most recent series models incorporating the latest improvements in design. The models should have been released on or after August 2015 and be in satisfactory operation for 12 months as on the date of opening of quotations.

(b) In case the bidder is an Agent of the Manufacturer or an Authorized dealer of the Manufacturer of the equipment offered by the bidder, the bidder should furnish the following:

(i) Document in support of the Manufacturer (of the equipment offered) meeting the requirement as at (a) above;

(ii) Manufacturer's authorization in case of an Agent and Authorized Dealership in case of an Authorized dealer assuring full Guarantee and Warranty as required in Conditions of Contract;

(iii) Documents to show that he has supplied and installed and commissioned satisfactorily at least one contract of 80% of the quantity similar to the type specified in the "Schedule of Requirements" in any one of the past three financial years (namely 2014-2015 to 2016-2017); "OR"

(iv) Documents to show that he has supplied and installed and commissioned satisfactorily at least two contract of 60 % of the quantity similar to the type specified in the "Schedule of Requirements" in any one of the past three financial years (namely 2014 – 2015 to 2016 – 2017); "OR"

(v) Documents to show that he has supplied and installed and commissioned satisfactorily at least three contracts of 40% of the quantity similar to the type specified in the "Schedule of Requirements" in any one of the past three financial years (namely 2014 – 2015 to 2016-2017).

(vi) Which must be in satisfactory operation for at least 6 months on the date of opening of quotations.

The bidders should furnish information on all past supplies and satisfactory performance for both (a) and (b) above on the prescribed format attached. (Attachment 3). For the purpose of successful completion of supply, end user certificate needs to be submitted along with the Purchase / Supply / Work order. Merely submission of Purchase order / Supply Order / Work order will not be sufficient.

17.2 The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's

qualifications submitted by the Bidder, pursuant to ITB Clause 7, as well as such other information as the Purchaser deems necessary and appropriate.

17.3 An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform the contract satisfactorily.

18. Award of Contract:

18.1 The Purchaser will award the Contract to the successful Bidder whose quotation has been determined to be substantially responsive and has been determined as the lowest evaluated quotation, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

19. Purchaser's right to vary Quantities at Time of Award

19.1 The Purchaser reserves the right at the time of Contract award to increase or decrease by up to 25 percent of the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

20. Purchaser's Right to accept any quotation and to reject any or all quotations:

20.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the bidding process and reject all quotations at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders.

21. Notification of Award:

21.1 Prior to the expiration of the period of quotation validity, the Purchaser will notify the successful bidder in writing by registered letter or by cable/e-mail or fax, to be confirmed in writing by registered letter, that its quotation has been accepted.

21.2 The notification of award will constitute the formation of the Contract.

22. Performance Security:

22.1 Within 10 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in any of the Form provided in the bidding documents (Attachment 1) and sign the Contract Form in the Office of the Purchaser.

22.2 Failure of the successful bidder to comply with the requirement of ITB Clause 23.1 shall constitute sufficient grounds for the annulment of the award in which event the Purchaser may make the award to the next lowest evaluated bidder or call for new bids.

23 Corrupt or Fraudulent Practices

23.1 The Bank requires that Borrowers (including beneficiaries of Bank loans), as well as Bidders/ Suppliers/ Contractors under Bank-financed contracts, observe the highest standard of ethics and not indulge in corrupt and fraudulent practices, during the procurement and execution of such contracts.

SCHEDULE OF REQUIREMENTS

1. Purchase of materials required for HPLC & GCMS

Sl No.	Chemical Name	Volume (per bottle)	Number	Total Requirement	Schedule of Requirements
1	Methanol (HPLC grade)	2.5 L	1	5 L	30 – 45 Days After placing the P.O / S.O
2	Iso-propyl alcohol (HPLC grade)	2.5 L	1	5 L	30 – 45 Days After placing the P.O / S.O
3	Acetonitrile (HPLC grade)	2 L	1	6 L	30 – 45 Days After placing the P.O / S.O
4	HPLC grade water	4x2.5 L	1	20 L	30 – 45 Days After placing the P.O / S.O
5	Na_2HPO_4 , Sodium Phosphate, Dibasic (for HPLC)	500 g	1	500 g	30 – 45 Days After placing the P.O / S.O
6	Dichloromethane (HPLC grade)	1 L	10	10 L	30 – 45 Days After placing the P.O / S.O
7	Hexane (HPLC grade)	1 L	2	12 L	30 – 45 Days After placing the P.O / S.O
8	AA standard, AAS18, 10X1ML	1 ml	10X1ml	10	30 – 45 Days After placing the P.O / S.O
9.	Ultra-pure CO_2 gas (99.999%)	30 L + Cylinder	1	30 L	30 – 45 Days After placing the P.O / S.O
10.	10 mm Path length Fluorometer quartz Cuvettes	10 mm path	1 pair	3.5 ml capacity	30 – 45 Days After placing the P.O / S.O
11	Phthaldialdehyde reagent; Solution complete - HPLC grade - For Precolumn derivatization reagent for primary amines and amino acids	5 ml	2 bottles	10 ml	30 – 45 Days After placing the P.O / S.O

2. Procurement of Oligonucleotides / Primers

Oligo Name	Sequence 5' to 3'	Req. Qty	Scale (µmole)	Purification	Schedule of Requirements
LCO1490	GGTCAACAAATCATAAAGATATTGG	2	0.025	DST	30 – 45 Days After placing the P.O / S.O
HCO2198	TAAACTTCAGGGTGACCAAAAAATCA	2	0.025	DST	30 – 45 Days After placing the P.O / S.O
FishF1	TCAACCAACCACAAAGACATTGGCAC	1	0.025	DST	30 – 45 Days After placing the P.O / S.O
FishF2	TCGACTAATCATAAAGATATCGGCAC	1	0.025	DST	30 – 45 Days After receiving the P.O / S.O
FishR1	TAGACTTCTGGGTGGCCAAAGAATCA	1	0.025	DST	30 – 45 Days After placing the P.O / S.O
FishR2	ACTTCAGGGTGACCGAAGAATCAGAA	1	0.025	DST	30 – 45 Days After placing the P.O / S.O

16SAR-L(FP)	CGCCTGTTTATCAAAAACAT	2	0.025	DST	30 – 45 Days After placing the P.O / S.O
16SBR-H(RP)	CCGGTCTGAACTCAGATCACGT	2	0.025	DST	30 – 45 Days After placing the P.O / S.O

3. Purchase of Glass Double Distillation Unit

Sl No.	Chemical Name	Brand	Unit	Schedule of Requirements
1	All Glass Double Distillation Unit, Horizontal type with 4L/hr water output capacity	BOROSIL or Equivalent Brand	1	30 – 45 Days After placing the P.O / S.O
2	Distillation Apparatus Power Supply for auto Power cut off	BOROSIL or Equivalent Brand	1	30 – 45 Days After placing the P.O / S.O

4. Procurement of Chemicals

Sl No.	Chemical Name	Grade/ Specification	Volume / Weight Specification	Quantity	Total Requirement	Schedule of Requirements
1	1-Propanol	GR/AR	500 ml	3	1.5 L	30 – 45 Days After placing the P.O / S.O
2	2-Propanol	GR/AR	1000 ml	2	2 L	30 – 45 Days After placing the P.O / S.O
3	Acetic Acid	GR/AR	500 ml	2	1 L	30 – 45 Days After placing the P.O / S.O
4	Acetone (99.0%)	GR/AR	2.5 lt	3	7.5 L	30 – 45 Days After placing the P.O / S.O
5	Ammonia solution 30%	GR/AR	500 ml	4	2 L	30 – 45 Days After placing the P.O / S.O
6	Ammonium chloride	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
7	Ammonium sulphate	GR/AR	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
8	Ammonium heptamolybdate tetrahydrate	GR/AR	100 gm	10	1 kg	30 – 45 Days After placing the P.O / S.O
9	Ammonium pyrolidine dithiocarbomate (APDC) (~99% assay)	~99% assay	25 gm	2	50 gm	30 – 45 Days After placing the P.O / S.O
10	Ascorbic acid	GR/AR	100 gm	5	500 gm	30 – 45 Days After placing the P.O / S.O
11	Barium nitrate	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
12	Bismuth nitrate $[Bi(NO_3)_2.5H_2O]$	GR/AR	100 gm	1	100 gm	30 – 45 Days After placing the P.O / S.O
13	Boric acid powder pure	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
14	Calcium chloride	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
15	Cesium Nitrate	99+	25 gm	2	50 gm	30 – 45 Days After placing the P.O / S.O
16	Copper (II) sulfate pentahydrate	GR/AR	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
17	Di-butyl hydroxyl toluene	≥99% , FG/FCC	50 gm	2	100 gm	30 – 45 Days After placing the P.O / S.O

18	di-Sodium tetraborate deca hydrate ($Na_2B_4O_7.10H_2O$)	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
19	Ethanol Absolute 99.9%	99.9% China make	500 ml	20	10 L	30 – 45 Days After placing the P.O / S.O
20	Ferrous ammonium sulfate (FAS)	GR/AR	500 gm	5	2.5 kg	30 – 45 Days After placing the P.O / S.O
21	Folin (Q)	GR/AR	125 ml	6	600 ml	30 – 45 Days After placing the P.O / S.O
22	Hydrochloric acid 37%	GR/AR	2.5 lt	6	15 L	30 – 45 Days After placing the P.O / S.O
23	Hydrofluoric Acid (HF)	GR/AR	500 ml	10	5 L	30 – 45 Days After placing the P.O / S.O
24	Hydrogen peroxide 30%	GR/AR	500 ml	6	3 L	30 – 45 Days After placing the P.O / S.O
25	Iodine resublimied	GR/AR	100 gm	2	200 gm	30 – 45 Days After placing the P.O / S.O
26	Lead Nitrate Pb $(NO_3)_2$	GR/AR	100 gm	1	100 gm	30 – 45 Days After placing the P.O / S.O
27	Magnesium perchlorate	ACS reagent	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
28	Magnesium chloride	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
29	Magnesium Sulphate	ACS reagent	500 gm	4	2 kg	30 – 45 Days After placing the P.O / S.O
30	Mercury (II) chloride	GR/AR	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O
31	Metol (p-methylaminophenol sulphite)	ACS reagent	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O
32	Nitric acid 69%	GR/AR	2.5 lt	4	10 L	30 – 45 Days After placing the P.O / S.O
33	Orthophosphoric acid 88%	GR/AR	2.5 lt	2	5 L	30 – 45 Days After placing the P.O / S.O
34	Perchloric acid (70%)	ACS reagent	500 ml	2	1 L	30 – 45 Days After placing the P.O / S.O
35	Phenol	ACS reagent	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
36	Potassium antimony (III) oxide tartrate hemihydrate	GR/AR	500 gm	3	1.5 kg	30 – 45 Days After placing the P.O / S.O
37	Potassium chloride	GR/AR	500 gm	3	1.5 kg	30 – 45 Days After placing the P.O / S.O
38	Potassium dichromate	GR/AR	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
39	Potassium dihydrogen phosphate	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
40	Potassium hydrogen phthalate	GR/AR	250 gm	1	250 gm	30 – 45 Days After placing the P.O / S.O
41	Potassium hydroxide pallets	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
42	Pyridoxal 5-phosphate hydrate ($C_8H_{10}NO_6.H_2O$)	≥98% assay	1 gm	2	2 gm	30 – 45 Days After placing the P.O / S.O

43	Silica gel 5-8 mesh (blue,coarse) self-indicating	SRL make	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
44	Silver nitrate	GR/AR	25 gm	2	50 gm	30 – 45 Days After placing the P.O / S.O
45	Sodium Chloride	GR/AR	500 gm	5	2.5 kg	30 – 45 Days After placing the P.O / S.O
46	Sodium dihydrogen phosphate monohydrate	GR/AR	500 gm	3	750 gm	30 – 45 Days After placing the P.O / S.O
47	Sodium dithionite	GR/AR	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
48	Sodium Hypochlorite solution (6-14% active chlorine)	GR/AR	2.5 lt	2	5 L	30 – 45 Days After placing the P.O / S.O
49	Sodium metasilicate ($Na_2SiO_3.\ 9H_2O$)	≥98% assay	1 kg	1	1 kg	30 – 45 Days After placing the P.O / S.O
50	Sodium nitrate	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
51	Sodium nitrite	GR/AR	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
52	Sodium nitroprusside dihydrate $Na_2[Fe(CN)_5NO].2H_2O$	GR/AR	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O
53	Sodium sulfate	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
54	Starch soluble	GR/AR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
55	Sulfuric acid 98%	GR/AR	2.5 lt	7	17.5 L	30 – 45 Days After placing the P.O / S.O
56	Titriplex III ($C_{10}H_{14}N_2Na_2O_8.2H_2O$)	GR/AR	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O
57	Trichloroacetic acid	GR/AR	500 gm	4	2 kg	30 – 45 Days After placing the P.O / S.O
58	Suphanilic Acid	ACS grade	100 gm	2	200 gm	30 – 45 Days After placing the P.O / S.O
59	Sodium Molybdate Dihydrate	ACS grade	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O
60	Potassium tartarate dibasic hemihydrate	99-102% assay (perchloric acid titration)	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
61	Phenolphthalein Certified	AR/GR	100 gm	1	100 gm	30 – 45 Days After placing the P.O / S.O
62	Zinc Dust	> 90% assay	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
63	Ammonium Iron (II) sulphate	ACS grade	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
64	Tannic acid	ACS reagent	100 gm	2	100 gm	30 – 45 Days After placing the P.O / S.O
65	Pararosaniline	SRL make	25 gm	1	25 gm	30 – 45 Days After placing the P.O / S.O
66	Di-Potassium hydrogen orthophosphate	for chromatography LiChropur®	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
67	Cobalt (II) Chloride	AR/GR	100 gm	3	300 gm	30 – 45 Days After placing the P.O / S.O

68	Xylene Low in Sulphur	ACS grade	500 ml	2	1 L	30 – 45 Days After placing the P.O / S.O
69	Fast Blue RR Salt	SRL make	25 gm	2	50 gm	30 – 45 Days After placing the P.O / S.O
70	Iron(III) chloride hexahydrate	ACS reagent	250 gm	2	500 gm	30 – 45 Days After placing the P.O / S.O
71	EDTA Calcium disodium salt	AR/GR	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
72	Protein Standard	analytical standard, 200 mg/mL (BSA)	10 ml	1	10 ml	30 – 45 Days After placing the P.O / S.O
73	Methanol (HPLC grade)	HPLC grade	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
74	Iso-propyl alcohol (HPLC grade)	HPLC grade	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
75	Acetonitrile (HPLC grade)	HPLC grade	2 L	5	10 L	30 – 45 Days After placing the P.O / S.O
76	HPLC grade water	HPLC grade	4x2.5 L	1	10 L	30 – 45 Days After placing the P.O / S.O
77	Na2HPO4 , Sodium Phosphate, Dibasic	≥99.0% assay, BioXtra	500 g	1	500 g	30 – 45 Days After placing the P.O / S.O
78	Dichloromethane (HPLC grade)	HPLC grade	1 L	10	10 L	30 – 45 Days After placing the P.O / S.O
79	Hexane (HPLC grade)	HPLC grade	1 L	2	12 L	30 – 45 Days After placing the P.O / S.O
80	Acetone (HPLC grade)	HPLC grade	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
81	Sodium hydroxide	≥98% assay (acidimetric), BioXtra	500 g	2	1 kg	30 – 45 Days After placing the P.O / S.O
82	Sodium sulfate	BioUltra, ≥99.0% assay (calc. on dry substance, T)	500 g	2	1 kg	30 – 45 Days After placing the P.O / S.O
83	Magnesium sulfate	Anhydrous, reagent grade, ≥97% assay	500 g	2	1 kg	30 – 45 Days After placing the P.O / S.O
84	100bp DNA ladder (For Electrophore)	SIGMA-ALDRICH, P1473-1VL	50 RXNS	3		30 – 45 Days After placing the P.O / S.O
85	HiPurA Soil DNA Purification Kit	HIMEDIA, MB542-50PR	50 Reactions	1		30 – 45 Days After placing the P.O / S.O
86	Bovine serum albumin	HIMEDIA, MB083-5G	5 gm	2	10 gm	30 – 45 Days After placing the P.O / S.O
87	Acetone LR	LR	2.5L	2	5 L	30 – 45 Days After placing the P.O / S.O
88	DNA Xpress reagent	HIMEDIA, MB501-100 ml	100ml	2	200 ml	30 – 45 Days After placing the P.O / S.O
89	Methanol	HIMEDIA, MB113-500ML	500ml	4	2 L	30 – 45 Days After placing the P.O / S.O
90	Sodium hydroxide pellets	AR/GR	100g	2	200 gm	30 – 45 Days After placing the P.O / S.O

91	Agarose	HIMEDIA, MB053-100G	100G	2	200 gm	30 – 45 Days After placing the P.O / S.O
92	Zobel marine agar	HIMEDIA, M384-500G	500G	1	500 gm	30 – 45 Days After placing the P.O / S.O
93	6 X Gel Loading buffer (Dye)	HIMEDIA, ML015-6X1ML	50RXNS	5		30 – 45 Days After placing the P.O / S.O
94	DNeasy Blood & Tissue Kit (50)	Qiagen, 69504	50 Rxns	2	2	30 – 45 Days After placing the P.O / S.O
95	QIAquick PCR Purification Kit (50)	Qiagen, 28104	50 Rxns	2	2	30 – 45 Days After placing the P.O / S.O
96	QIAGEN Proteinase K (2 ml)	Qiagen, 19131	2 ml	2	2	30 – 45 Days After placing the P.O / S.O
97	RNase A (17,500 U) (2.5 ml)	Qiagen, 19101	2.5 ml	1	1	30 – 45 Days After placing the P.O / S.O
98	Homogenizer with serrated pestle (s.p) 1 ml	HIMEDIA, GW171-1NO	1 ml	2	2	30 – 45 Days After placing the P.O / S.O
99	Homogenizer with serrated pestle (s.p) 2 ml	HIMEDIA, GW172-1NO	2 ml	2	2	30 – 45 Days After placing the P.O / S.O
100	Tris base	HIMEDIA, TC072-500G	500 g	4	500 g X 4	30 – 45 Days After placing the P.O / S.O
101	Agarose, Ultrapure, Low EEO	HIMEDIA, MB229-100G	100 g	2	2	30 – 45 Days After placing the P.O / S.O
102	Rose bengal, Practical grade	Practical grade	100 g	1	100 g	30 – 45 Days After placing the P.O / S.O
103	Ethidium Bromide	HIMEDIA, TC233-1G	1 g	1	1 g	30 – 45 Days After placing the P.O / S.O
104	Isoamyl alcohol (mixture of isomers) EMPLURA®	MERCK, 8.22255.0521	500 ml	1	500 ml	30 – 45 Days After placing the P.O / S.O
105	Formaldehyde solution min. 37% (stabilized with about 10% methanol), EMPLURA®	MERCK, 1.94989.5021	5 L	4	20 L	30 – 45 Days After placing the P.O / S.O
106	Glycerol anhydrous EMPLURA	MERCK, 1.94501.0521	500 ml	2	1000 ml	30 – 45 Days After placing the P.O / S.O
107	DPX mountant for histology slide	Sigma Aldrich, 06522-500 ML	500 ml	1	500 ml	30 – 45 Days After placing the P.O / S.O
108	Hematoxylin (Mayer's)	Sigma Aldrich, H9627-25 G	25 g	1	25 g	30 – 45 Days After placing the P.O / S.O
109	Eosin (Sprit soluble)	Sigma Aldrich, 45230	25 g	1	25 g	30 – 45 Days After placing the P.O / S.O
110	Xylene	Histological grade, Sigma Aldrich, 534056-4L	4 L	2	8 L	30 – 45 Days After placing the P.O / S.O
111	Tris acetate-EDTA Buffer 10X concentration	Sigma Aldrich, T8280-1L	1 L	2	2 L	30 – 45 Days After placing the P.O / S.O

112	KAPA2G FAST HS RM (1.25 ml)	Sigma Aldrich, KK5603	1.25 ml	2	2.5 Lt	30 – 45 Days After placing the P.O / S.O
113	Histopathology slide box	Sigma Aldrich, BR476000-1EA	100 slides, 76 X 26 mm	1	1 Box (100 slides, 76 x 26 mm)	30 – 45 Days After placing the P.O / S.O
114	Paraffin wax (58-60 °C melting point)	Sigma Aldrich, 327212-1KG	1 kg	4	4Kg	30 – 45 Days After placing the P.O / S.O
115	Acetone	Spectrum Chemical, HS001-4LTGL	4 L	2	8 L	30 – 45 Days After placing the P.O / S.O
116	Ethanol, 99.5%, ACS reagent, absolute, 200 proof, ACROS Organics	99.5%, ACS reagent, absolute, 200 proof, ACROS Organics (Fisher scientific, CAS NO: 64-17-5, 7732-18-5)	500 ml	10	5 L	30 – 45 Days After placing the P.O / S.O
117	Propane-2-ol	Himedia, AS068-2.5L	2.5 L	5	12.5	30 – 45 Days After placing the P.O / S.O
118	DNA/RNAse free, flat lid	Himedia, PW1255-1 x 1000NO	1	1	1	30 – 45 Days After placing the P.O / S.O
119	Agaros Special Low EEO	Himedia, MB002-500G	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
120	DNA-Xpress Reagent	Himedia, MB501-100	500 ml	3	1.5 L	30 – 45 Days After placing the P.O / S.O
121	Red dye Master mix	Amplicon, A160303		5	5	30 – 45 Days After placing the P.O / S.O
122	Ethanol	China Make	500 ml	25	12.5 L	30 – 45 Days After placing the P.O / S.O
123	Agarose Low EEO	Himedia, RM271	100 gm	5	500 gm	30 – 45 Days After placing the P.O / S.O
124	100bp DNA ladder (5x50ug)	SIGMA-ALDRICH, BLL001	3 pkt	3 pkt	3 pkt	30 – 45 Days After placing the P.O / S.O
125	Acetic Acid Glacial	Extrapure	2.5 L	2	5 L	30 – 45 Days After placing the P.O / S.O
126	NaOH	Extrapure	500 gm	5	2.5 kg	30 – 45 Days After placing the P.O / S.O
127	Iodine	ACS reagent, ≥99.8%, solid	100 gms	1	100 gm	30 – 45 Days After placing the P.O / S.O
128	Ammonia	0.91d AR (about 25%)	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
129	Activated Charcoal	Extrapure	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
130	Boric Acid Crystals AR	AR/ACS	500 gm	2	1 kg	30 – 45 Days After placing the P.O / S.O
131	Buffer solution pH 4.0	Finar, 10336LM500	500 ml	5	2.5 L	30 – 45 Days After placing the P.O / S.O
132	Buffer solution pH 7.0	Finar, 10337LM500	500 ml	5	2.5 L	30 – 45 Days After placing the P.O / S.O
133	Buffer solution pH 9.2	Finar, 10338LM500	500 ml	5	2.5 L	30 – 45 Days After placing the P.O / S.O

134	Diethylether	Extrapure	2.5 L	10	25 L	30 – 45 Days After placing the P.O / S.O
135	Dimethyl Sulfoxide	Extrapure	2.5 L	2	5 L	30 – 45 Days After placing the P.O / S.O
136	Hexane	HPLC & Spectroscopy grade	2.5 L	20	50 L	30 – 45 Days After placing the P.O / S.O
137	Nitric acid	Extrapure	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
138	Toluene	AR/ACS	2.5 L	4	10 L	30 – 45 Days After placing the P.O / S.O
139	Petroleum Ether	60-80 deg C, Extrapure	2.5 L	10	25 L	30 – 45 Days After placing the P.O / S.O
140	Silica Gel G for TLC	For TLC	500 gm	3	1.5 kg	30 – 45 Days After placing the P.O / S.O
141	Silica gel GF 254 for TLC	For TLC	500 gm	4	2 kg	30 – 45 Days After placing the P.O / S.O
142	Silica gel H for TLC (without binder)	For TLC (without binder)	500 gm	5	2.5 kg	30 – 45 Days After placing the P.O / S.O
143	Silica gel HF 254 for TLC	For TLC	500 gm	5	2.5 kg	30 – 45 Days After placing the P.O / S.O
144	Silicone Oil	(LAB)	2.5 L	1	2.5 L	30 – 45 Days After placing the P.O / S.O
145	Silver Bromide	Extrapure	25 gm	1	25 gm	30 – 45 Days After placing the P.O / S.O
146	Silver nitrate extrapure	Extrapure	25 gm	1	25 gm	30 – 45 Days After placing the P.O / S.O
147	Acetic acid for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
148	Acetonitrile for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 L	5	12.5 L	30 – 45 Days After placing the P.O / S.O
149	tert-Butanol for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	2	2 L	30 – 45 Days After placing the P.O / S.O
150	Chloroform for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 L	10	25 L	30 – 45 Days After placing the P.O / S.O
151	Dichloromethane for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 L	2	5 L	30 – 45 Days After placing the P.O / S.O
152	Diethylamine for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	2	2 L	30 – 45 Days After placing the P.O / S.O
153	N,N-Dimethyl formamide for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	1	1 L	30 – 45 Days After placing the P.O / S.O
154	Ethyl acetate for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
155	Hexane (fraction from petroleum) for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 L	5	12.5 L	30 – 45 Days After placing the P.O / S.O

156	n-Hexane 99% for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	2.5 L	5	12.5 L	30 – 45 Days After placing the P.O / S.O
157	Methanol for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 L	15	37.5 L	30 – 45 Days After placing the P.O / S.O
158	pH Indicator paper wide range pH 2.0-10.5	Finar, 11147BK010	10 pkts	5		30 – 45 Days After placing the P.O / S.O
159	Potassium hydroxide pellets extrapure	Extrapure	500 gm	10	5 kg	30 – 45 Days After placing the P.O / S.O
160	Propan-1-ol for HPLC & Spectroscopy (n-Propanol)	HPLC & Spectroscopy grade	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
161	Propan-2-ol (IPA) for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
162	Pyridine for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	2	2 L	30 – 45 Days After placing the P.O / S.O
163	Silica gel for column chromatography 100-200 mesh	Finar, 11448SG500	500 gm	10	5 kg	30 – 45 Days After placing the P.O / S.O
164	Silica gel for column chromatography 230-400 mesh	Finar, 11449SG500	500 gm	10	5 kg	30 – 45 Days After placing the P.O / S.O
165	Silica gel 5-8 mesh (blue,coarse) self-indicating	Finar, 11450SG500	500 gm	10	5 kg	30 – 45 Days After placing the P.O / S.O
166	Tetrahydrofuran for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	2	2 L	30 – 45 Days After placing the P.O / S.O
167	Toluene for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
168	Trifluoroacetic acid 99.9% for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	1 L	5	5 L	30 – 45 Days After placing the P.O / S.O
169	Water for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	1 L	20	20 L	30 – 45 Days After placing the P.O / S.O
170	Ethanol AR ACS	AR/ACS	500 ml	20	10 L	30 – 45 Days After placing the P.O / S.O
171	Ethanol HPLC	HPLC grade	500 ml	20	10 L	30 – 45 Days After placing the P.O / S.O
172	CTAB	Himedia, MB101-100G	100 gm	1	100 gm	30 – 45 Days After placing the P.O / S.O
173	Isoamyl alcohol	Himedia, MB091-500ML	500 ml	1	500 ml	30 – 45 Days After placing the P.O / S.O
174	Dimethyl sulfoxide-d6	"100%", 99.96 atom % D	25 gm	1	25 gm	30 – 45 Days After placing the P.O / S.O

175	CDCl3	"100%", 99.96 atom % D	50 gm	20	1 kg	30 – 45 Days After placing the P.O / S.O
176	Anhydrous calcium Chloride	anhydrous, granular, ≤7.0 mm, ≥93.0 % assay	500 gm	1	500 gm	30 – 45 Days After placing the P.O / S.O
177	Sodium sulfate anhydrous	ACS reagent, ≥99.0% assay, anhydrous, granular	500 gm	10	5 kg	30 – 45 Days After placing the P.O / S.O
178	Methanol-D4	Deuteration degree min. 99.95% for NMR spectroscopy MagniSolv™	10 x 0.5 ml	1	10 x 0.5 ml	30 – 45 Days After placing the P.O / S.O
179	Potassium bromide	FT-IR grade, ≥99% trace metals basis	100 gm	2	200 gm	30 – 45 Days After placing the P.O / S.O
180	Iodine	ACS reagent, ≥99.8%, solid	100 gm	1	100 gm	30 – 45 Days After placing the P.O / S.O
181	Cadmmium granules 0.3 mm	MERCK, 1.02001.1000	250 gm	1	250 gm	30 – 45 Days After placing the P.O / S.O

5. Procurement of Plastic Wares

Sl No.	Item Name	Brand	Volume	Quantity	Total Requirement	Schedule of Requirements
1	CryoChill 1'C Cooler, 18places 1 or 1.8ml, 1/Pkt	Tarson	1 no.	1	1	30 – 45 Days After placing the P.O / S.O
2	Accupipet, 20-200ul, Model: T200, 1/Pkt	Tarson	1 no.	1	1	30 – 45 Days After placing the P.O / S.O
3	Accupipet, 0.5-2ul, Model: T2, 1/Pkt	Tarson	1 no.	1	1	30 – 45 Days After placing the P.O / S.O
4	Accupipet, 100-1000ul, Model: T1000, 1/Pkt	Tarson	1 no.	1	1	30 – 45 Days After placing the P.O / S.O
5	Pipette Tips - Bulk Packs, 0.2 - 10ul, 1000/Pkt	Tarson	1000/ pkt	15	15	30 – 45 Days After placing the P.O / S.O
6	Pipette Tips - Bulk Packs, 2-200ul, 1000/Pkt	Tarson	1000/ pkt	15	15	30 – 45 Days After placing the P.O / S.O
7	Pipette Tips - Bulk Packs, 200-1000, 500/Pkt	Tarson	500 /pkt	15	15	30 – 45 Days After placing the P.O / S.O
8	Racked Graduated Tips Sterile 10 ul, 10/Pkt	Tarson	10/ pkt	2	2	30 – 45 Days After placing the P.O / S.O
9	Racked Graduated Tips Sterile 200 ul, 10/Pkt	Tarson	10/ pkt	2	2	30 – 45 Days After placing the P.O / S.O
10	Racked Graduated Tips Sterile 1000 ul, 10/Pkt	Tarson	10/ pkt	2	2	30 – 45 Days After placing the P.O / S.O
11	Micro Centrifuge Tube, 1.5ml, 500/Pkt	Tarson	500/ pkt	15	15	30 – 45 Days After placing the P.O / S.O

12	Micro Centrifuge Tube, 2.0ml, 500/Pkt	Tarson	500/ pkt	10	10	30 – 45 Days After placing the P.O / S.O
13	PCR 0.2ml Tube w/Cap, Flat, 1000/Pkt	Tarson	1000/ pkt	2	2 pack (1000/pack)	30 – 45 Days After placing the P.O / S.O
14	CryoChill -20'C Mini Cooler, 12places 1.5ml, 1/Pkt	Tarson	1 no.	1	1	30 – 45 Days After placing the P.O / S.O
15	Utility tray (White) Material: PP	Tarson	6 nos (in 1 pack)	1	6 nos/1 pack	30 – 45 Days After placing the P.O / S.O
16	Utility tray (White) Material: PP	Tarson	2 nos (in 1 pack)	3	6 nos/3 pack	30 – 45 Days After placing the P.O / S.O
17	Sample container , materiasl : PP/HDPE	Tarson	280 /pack	5	5 packs (280 per pack)	30 – 45 Days After placing the P.O / S.O
18	Sample container , materiasl : PP/HDPE	Tarson	384/pack	5	5 packs (384 per pack)	30 – 45 Days After placing the P.O / S.O
19	Safeskin Purple Nitrile Golves 9.5" Length (Medium)	Tarson	100 nos	5	5 pack	30 – 45 Days After placing the P.O / S.O
20	Safeskin Purple Nitrile Golves 9.5" Length (Large)	Tarson	100 nos	5	5 pack	30 – 45 Days After placing the P.O / S.O
21	Wide mouth wash bottle	Tarson	6 nos (in 1 pack)	1	6 nos/1 pack	30 – 45 Days After placing the P.O / S.O
22	Measuring scoop	Tarson	6 nos (in 1 pack)	2	2 Pack (6 nos/pack)	30 – 45 Days After placing the P.O / S.O
23	16"X20" Spilfyter Lab Soakers Pad	Tarson	250 pds/pack	1	250 pads/pack	30 – 45 Days After placing the P.O / S.O
24	20"X200" roll Spilfyter Lab Soakers	Tarson	1 roll	1	1 Roll	30 – 45 Days After placing the P.O / S.O
25	Autoclavable biohazard bags (14"X 19")	Tarson	100 nos (in 1 pack)	1	1 pack (100 nos)	30 – 45 Days After placing the P.O / S.O
26	Autoclavable biohazard bags (8"X 12")	Tarson	100 nos (in 1 pack)	1	1 pack (100 nos)	30 – 45 Days After placing the P.O / S.O
27	10 ml serological pipette sterile	Tarson		1	1 pack	30 – 45 Days After placing the P.O / S.O
28	25 ml serological pipette sterile	Tarson		1	1 pack	30 – 45 Days After placing the P.O / S.O
29	PCR mini cooler capacity 0.2 ml (96 places)	Tarson	1 no.	1	1 pack	30 – 45 Days After placing the P.O / S.O
30	Staining Box 22.5x22.5x5	Tarson	2 nos (in 1 pack)	1	1 pack (2 nos)	30 – 45 Days After placing the P.O / S.O
31	Quick freeze (12 places of 1.5 ml capacity)	Tarson	1 no.	1	1 pack	30 – 45 Days After placing the P.O / S.O
32	Storage box	Tarson	4 nos (in 1 pack)	1	1 pack (4 nos)	30 – 45 Days After placing the P.O / S.O
33	Specimen container 125 ml capacity	Tarson	12 nos (in 1 pack)	15	15 pack (12 nos/pack)	30 – 45 Days After placing the P.O / S.O
34	Specimen container 500 ml capacity	Tarson	6 nos (in 1 pack)	15	15 pack (6 nos/pack)	30 – 45 Days After placing the P.O / S.O
35	Microscope slide ground edges, twin frosted end (76x26x1)	Hirschmann		25	25 Pack	30 – 45 Days After placing the P.O / S.O

36	Fast release pipette Pump (10 ml capacity)	Abdos	4 nos (in a case)	1	1 case	30 – 45 Days After placing the P.O / S.O
37	Clamp magnifying glass with LED Lamp (10X magnification)	Newtech Trading corporation	1 no.	2	2	30 – 45 Days After placing the P.O / S.O
38	Desktop Magnifying glass with LED lamp (10 X magnifying)	Newtech Trading corporation	1 no.	2	2	30 – 45 Days After placing the P.O / S.O
39	Mini cooler 0*C for 12 place of 1.5ml	Tarson			1 No.	30 – 45 Days After placing the P.O / S.O
40	Mini cooler-20*C for 12 place of 1.5ml	Tarson			1 No.	30 – 45 Days After placing the P.O / S.O
41	Micropipete tips box 0.2-10µl	Tarson			1 No.	30 – 45 Days After placing the P.O / S.O
42	Micro tip 0.2 -10µl (box of 1000 no	Tarson			2 Box	30 – 45 Days After placing the P.O / S.O
43	Micro tip 2-200ul(box of 1000no)	Tarson			2 Box	30 – 45 Days After placing the P.O / S.O
44	Micro tip 200-1000ul (box of 500no)	Tarson			2 Box	30 – 45 Days After placing the P.O / S.O
45	Microcentrifug tube 1.5ml	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
46	Microcentrifug tube 2ml	Tarson			2 Box	30 – 45 Days After placing the P.O / S.O
47	Centrifuge tube 15mlSterile (1box X 500 no)	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
48	Centrifuge tube 15ml (1box of 500no)	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
49	Storage vial 2ml (1box of 1000no)	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
50	Sample container 50ml (Sterile)	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
51	100ml sample container (Sterile) 100ml	Tarson			2 Box	30 – 45 Days After placing the P.O / S.O
52	100ml sample container (non-Sterile)	Tarson			1 Box	30 – 45 Days After placing the P.O / S.O
53	Wide Mouth HDPE bottles	Tarson	125 ml	2	144 (2 packs)	30 – 45 Days After placing the P.O / S.O
54	Wide Mouth HDPE bottles	Tarson	250 ml	2	144 (2 packs)	30 – 45 Days After placing the P.O / S.O
55	Wide Mouth HDPE bottles	Tarson	500 ml	1	48 (1 pack)	30 – 45 Days After placing the P.O / S.O
56	Wide Mouth HDPE bottles	Tarson	1 L	3	72 (3 packs)	30 – 45 Days After placing the P.O / S.O
57	Carboy with Stopcock	Tarson	10 L	3	3	30 – 45 Days After placing the P.O / S.O
58	Carboy with Stopcock	Tarson	20 L	3	3	30 – 45 Days After placing the P.O / S.O
59	Wash bottle new type	Tarson	500 ml	2	12 (2 packs)	30 – 45 Days After placing the P.O / S.O

60	Dropping bottle	Tarson	120 ml	1	12 (1 pack)	30 – 45 Days After placing the P.O / S.O
61	Utility Tray	Tarson	360 x 310 x 130	1	6 (1 pack)	30 – 45 Days After placing the P.O / S.O
62	Utility Tray	Tarson	540 x 435 x 130	1	6 (1 pack)	30 – 45 Days After placing the P.O / S.O
63	Powder Funnel	Tarson	80 mm dia	1	36 (1 pack)	30 – 45 Days After placing the P.O / S.O
64	Pippette Rack Horizontal	Tarson	12 places	1	6 (1 pack)	30 – 45 Days After placing the P.O / S.O
65	Menbrane Filter Holder	Tarson	47 mm	1	1	30 – 45 Days After placing the P.O / S.O
66	Syringe Filter	Tarson	25 mm	1	2 (1 pack)	30 – 45 Days After placing the P.O / S.O
67	Macro tips	Tarson	10 ml	1	100 (1 pack)	30 – 45 Days After placing the P.O / S.O
68	Rockyvac Vacuum Pump	Tarson	Rocker 400	1	1	30 – 45 Days After placing the P.O / S.O
69	Spinwin Tube Conical Bottom	Tarson	50 ml	1	500 (1 pack)	30 – 45 Days After placing the P.O / S.O
70	Spinwin Tube Conical Bottom	Tarson	15 ml	1	500 (1 pack)	30 – 45 Days After placing the P.O / S.O
71	Centrifuge Tube Box	Tarson	15 ml	2	8 (2 packs)	30 – 45 Days After placing the P.O / S.O
72	Centrifuge Tube Box	Tarson	50 ml	2	8 (2 packs)	30 – 45 Days After placing the P.O / S.O
73	Test Tube Stand	Tarson	32 mm dia	2	8 (2 packs)	30 – 45 Days After placing the P.O / S.O
74	Parafilm M	Tarson	4" x 125'	1	1	30 – 45 Days After placing the P.O / S.O
75	Safesskin Nitrile Gloves	Tarson	Medium	10	1000 (10 packs)	30 – 45 Days After placing the P.O / S.O
76	Safesskin Nitrile Gloves	Tarson	Large	6	600 (6 packs)	30 – 45 Days After placing the P.O / S.O
77	Utility Carrier	Tarson	380x240x 115	2	2 nos	30 – 45 Days After placing the P.O / S.O
78	Accupipet Variable volume pipette	Tarson	T2	2	2 nos	30 – 45 Days After placing the P.O / S.O
79	Accupipet Variable volume pipette	Tarson	T10	2	2 nos	30 – 45 Days After placing the P.O / S.O
80	Accupipet Variable volume pipette	Tarson	T20	2	2 nos	30 – 45 Days After placing the P.O / S.O
81	Accupipet Variable volume pipette	Tarson	T100	2	2 nos	30 – 45 Days After placing the P.O / S.O
82	Accupipet Variable volume pipette	Tarson	T200	2	2 nos	30 – 45 Days After placing the P.O / S.O
83	Accupipet Variable volume pipette	Tarson	T1000	2	2 nos	30 – 45 Days After placing the P.O / S.O
84	Accupipet Variable volume pipette	Tarson	T5000	2	2 nos	30 – 45 Days After placing the P.O / S.O
85	Accupipet Variable volume pipette	Tarson	T10ml	2	2 nos	30 – 45 Days After placing the P.O / S.O
86	Spilifyter lab soakers	Tarsons	20' x 200"	2	2 Roll	30 – 45 Days After placing the P.O / S.O

87	KIM Wipes	Tarsons	11.17 x 21.3	4	4 nos	30 – 45 Days After placing the P.O / S.O
88	Chemware Boiling Stones	Tarsons	1 lb	1	1	30 – 45 Days After placing the P.O / S.O
89	Cryo Tags	Tarsons	38 x19	8	8 packs (1000 x 8)	30 – 45 Days After placing the P.O / S.O
90	Amber centrifuge tube conical bottom	Tarson	15 ml	1	50 nos	30 – 45 Days After placing the P.O / S.O
91	Amber spinwin Micro centrifuge tube	Tarson	1.5 ml	12	250 nos	30 – 45 Days After placing the P.O / S.O
92	Rack for Micro tube	Tarson	1.5 ml	1	4 nos	30 – 45 Days After placing the P.O / S.O

6. Procurement of Glasswares

Sl No.	Item Name	Brand	Volume	Quantity	Schedule of Requirements
1	Beakers (Griffin, Low Form , with spout, 50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	10	30 – 45 Days After placing the P.O / S.O
2	Beakers (Griffin, Low Form , with spout, 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	10	30 – 45 Days After placing the P.O / S.O
3	Beakers (Griffin, Low Form, with spout,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	10	30 – 45 Days After placing the P.O / S.O
4	Beakers (Griffin, Low Form, with spout, 500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10	30 – 45 Days After placing the P.O / S.O
5	Beakers(Griffin, Low Form , with spout,1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5	30 – 45 Days After placing the P.O / S.O
6	Reagent Bottles with screw (Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5	30 – 45 Days After placing the P.O / S.O
7	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,100ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5	30 – 45 Days After placing the P.O / S.O

8	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,250ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5	30 – 45 Days After placing the P.O / S.O
9	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,500ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10	30 – 45 Days After placing the P.O / S.O
10	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	10	30 – 45 Days After placing the P.O / S.O
11	Bottles, Weighing, With Interchangeable Stopper (5 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	5	30 – 45 Days After placing the P.O / S.O
12	Bottles, Weighing, With Interchangeable Stopper(15ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15ml	5	30 – 45 Days After placing the P.O / S.O
13	Bottles, Weighing, With Interchangeable Stopper(20ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	20 ml	5	30 – 45 Days After placing the P.O / S.O
14	Bottles, Weighing, With Interchangeable Stopper(25ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 ml	5	30 – 45 Days After placing the P.O / S.O
15	Bottles, Weighing, With Interchangeable Stopper(40ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	40 ml	5	30 – 45 Days After placing the P.O / S.O
16	Bottles, Dropping with Pipette & Rubber Teat(30 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	30 ml	5	30 – 45 Days After placing the P.O / S.O
17	Bottles, Dropping with Pipette & Rubber Teat(60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	5	30 – 45 Days After placing the P.O / S.O

18	Bottles, Only for Wash Bottles Cat No. 1660(250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5	30 – 45 Days After placing the P.O / S.O
19	Bottles, Only for Wash Bottles Cat No. 1660(500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5	30 – 45 Days After placing the P.O / S.O
20	Bottles, Only for Wash Bottles Cat No. 1660(1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5	30 – 45 Days After placing the P.O / S.O
21	Bottles, Wash, LDPE Plastic, Squeeze type, Screw Cap, Fitted With Stoppers and Delivery Tubes(500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10	30 – 45 Days After placing the P.O / S.O
22	Burettes with straight bore	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5	30 – 45 Days After placing the P.O / S.O
23	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	5	30 – 45 Days After placing the P.O / S.O
24	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	5	30 – 45 Days After placing the P.O / S.O
25	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (400 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	400mm	5	30 – 45 Days After placing the P.O / S.O
26	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	5	30 – 45 Days After placing the P.O / S.O
27	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	5	30 – 45 Days After placing the P.O / S.O

28	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(400 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	400 mm	5	30 – 45 Days After placing the P.O / S.O
29	Condensers, Friedrichs, Drip Tip, Interchangeable Inner and Outer Joint(350 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	350 mm	5	30 – 45 Days After placing the P.O / S.O
30	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 5 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	5	30 – 45 Days After placing the P.O / S.O
31	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 10 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	10	30 – 45 Days After placing the P.O / S.O
32	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5	30 – 45 Days After placing the P.O / S.O
33	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5	30 – 45 Days After placing the P.O / S.O
34	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5	30 – 45 Days After placing the P.O / S.O
35	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with	Borosil / Glassco / BlauBrand / Schott duran / Sigma	500 ml	5	30 – 45 Days After placing the P.O / S.O

	Pour Out, with Hexagonal Base, Class A, with Certificate 500ml)	Aldrich / Thermo Fisher			
36	Cylinders, GraduatedCylinders, (Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5	30 – 45 Days After placing the P.O / S.O
37	Desiccators VacuumDesiccators, (Stopcock with PTFE Spindle,and Porcelain Plate,300 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 ml	5	30 – 45 Days After placing the P.O / S.O
38	Desiccators VacuumDesiccators, (Stopcock with PTFE Spindle,and Porcelain Plate,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5	30 – 45 Days After placing the P.O / S.O
39	Dishes, Culture, Petri (50 x17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 x 17	15	30 – 45 Days After placing the P.O / S.O
40	Dishes, Culture, Petri (80 x 17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	80 x 17	15	30 – 45 Days After placing the P.O / S.O
41	Dishes, Culture Petri, Borosil S-Line (50 x 12)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 x 12	15	30 – 45 Days After placing the P.O / S.O
42	Dishes, Culture Petri, Borosil S-Line (80 x 15)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	80 x 15	15	30 – 45 Days After placing the P.O / S.O
43	Dishes, Culture Petri, Borosil S-Line (90 x 17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	90 x 17	15	30 – 45 Days After placing the P.O / S.O
44	Distilling Apparatus(Ammonia, with Graham Condenser,	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O

	Interchangeable Joints,500 ml)				
45	Essential Oil Determination Apparatus(Clevenger Appratus), as per IS 1797, for Oil Heavier Than Water 1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
46	Essential Oil Determination Apparatus (Clevenger Appratus), for Oil Lighter Than Water (1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
47	Distilling Apparatus, (And Stark, Moisture Test, (as per I. P. Specifications),10 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	2	30 – 45 Days After placing the P.O / S.O
48	Extractors, Soxhlet(Interchangeable Joint, 60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	2	30 – 45 Days After placing the P.O / S.O
49	Extractors, Soxhlet(Interchangeable Joint, 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
50	Extractors, Soxhlet(Interchangeable Joint, 200 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	2	30 – 45 Days After placing the P.O / S.O
51	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Small	2	30 – 45 Days After placing the P.O / S.O
52	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Medium	2	30 – 45 Days After placing the P.O / S.O
53	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Large	2	30 – 45 Days After placing the P.O / S.O

54	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	2	30 – 45 Days After placing the P.O / S.O
55	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
56	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,200 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	2	30 – 45 Days After placing the P.O / S.O
57	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
58	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
59	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
60	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
61	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
62	Flasks, Boiling, Flat Bottom,(Short Neck, Interchangeable Joint ,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
63	Flasks, Boiling, Flat Bottom,(Short Neck,	Borosil / Glassco / BlauBrand / Schott duran / Sigma	500 ml	2	30 – 45 Days After placing the P.O / S.O

	Interchangeable Joint ,500 ml)	Aldrich / Thermo Fisher			
64	Flasks, Boiling, Flat Bottom,(Short Neck, Interchangeable Joint ,1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
65	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
66	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
67	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
68	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2	30 – 45 Days After placing the P.O / S.O
69	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
70	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
71	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
72	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
73	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O

	Interchangeable Joints,100 ml				
74	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
75	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
76	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
77	Flasks, Erlenmeyer, Conical, Narrow Mouth,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2	30 – 45 Days After placing the P.O / S.O
78	Flasks, Erlenmeyer, Conical, Narrow Mouth,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
79	Flasks, Erlenmeyer, Conical, Narrow Mouth,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	10	30 – 45 Days After placing the P.O / S.O
80	Flasks, Erlenmeyer, Conical, Narrow Mouth,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5	30 – 45 Days After placing the P.O / S.O
81	Flasks, Erlenmeyer, Conical, Narrow Mouth,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O

82	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
83	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
84	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
85	Flasks, Filtering, (Bolt Neck, with Tubulation,100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2	30 – 45 Days After placing the P.O / S.O
86	Flasks, Filtering, (Bolt Neck, with Tubulation,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
87	Flasks, Filtering, (Bolt Neck, with Tubulation,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
88	All Glass Filter Holder - 47mm, Filtration Assembly,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
89	Jars, Measuring, with Pour Out, with Works Certificate,5000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5000 ml	2	30 – 45 Days After placing the P.O / S.O
90	Flasks, Volumetric, with Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2	30 – 45 Days After placing the P.O / S.O
91	Flasks, Volumetric, with Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	10	30 – 45 Days After placing the P.O / S.O

92	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	2	30 – 45 Days After placing the P.O / S.O
93	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,500 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 mm	2	30 – 45 Days After placing the P.O / S.O
94	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	2	30 – 45 Days After placing the P.O / S.O
95	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,1000 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	2	30 – 45 Days After placing the P.O / S.O
96	Columns, Chromatography, Plain With Glass Stopcock,200 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	2	30 – 45 Days After placing the P.O / S.O
97	Columns, Chromatography, Plain With Glass Stopcock,500 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 mm	2	30 – 45 Days After placing the P.O / S.O
98	Columns, Chromatography, Plain With Glass Stopcock,1000 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	2	30 – 45 Days After placing the P.O / S.O
99	Funnels, Plain, 60˚ Angle, Short Stem,25 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 mm	5	30 – 45 Days After placing the P.O / S.O
100	Funnels, Plain, 60˚ Angle, Short Stem,35mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	35 mm	5	30 – 45 Days After placing the P.O / S.O
101	Funnels, Plain, 60˚ Angle, Short Stem,50 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 mm	5	30 – 45 Days After placing the P.O / S.O

102	Funnels, Plain, 60˚ Angle, Short Stem,65 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	65 mm	5	30 – 45 Days After placing the P.O / S.O
103	Funnels, Plain, 60˚ Angle, Short Stem,75 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	75 mm	5	30 – 45 Days After placing the P.O / S.O
104	Funnels, Plain, 60˚ Angle, Short Stem,100 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 mm	5	30 – 45 Days After placing the P.O / S.O
105	Funnels, Separating Funnels, (Globe Shape, with Stopcock and Interchangeable Stopper,250ml)	Borosil / Glassco / Blau Brand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2	30 – 45 Days After placing the P.O / S.O
106	Funnels, Separating Funnels, (Globe Shape, with Stopcock and Interchangeable Stopper,500ml)	Borosil / Glassco / Blau Brand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2	30 – 45 Days After placing the P.O / S.O
107	Funnels, Separating Funnels, (Globe Shape, with Stopcock and Interchangeable Stopper,1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
108	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5	30 – 45 Days After placing the P.O / S.O
109	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5	30 – 45 Days After placing the P.O / S.O
110	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2	30 – 45 Days After placing the P.O / S.O
111	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,2000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	2000 ml	2	30 – 45 Days After placing the P.O / S.O

112	Drum Sampling, Pipette	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	5	30 – 45 Days After placing the P.O / S.O
113	Pipettes, Bacteriological, Graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1.1 ml	2	30 – 45 Days After placing the P.O / S.O
114	Pipettes, Bacteriological, Graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	2.2 ml	2	30 – 45 Days After placing the P.O / S.O
115	Desiccators, Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate,100 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 mm	1	30 – 45 Days After placing the P.O / S.O
116	Desiccators, Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate,150 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	150 mm	1	30 – 45 Days After placing the P.O / S.O
117	Extractors, Soxhlet, Interchangeable Joint,60 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	5	30 – 45 Days After placing the P.O / S.O
118	Extractors, Soxhlet, Interchangeable Joint,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5	30 – 45 Days After placing the P.O / S.O
119	Extractors, Soxhlet, Interchangeable Joint,200 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	5	30 – 45 Days After placing the P.O / S.O
120	Tubes, Centrifuge, Conical Bottom Plain,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	25	30 – 45 Days After placing the P.O / S.O
121	Tubes, Centrifuge, Conical Bottom, Graduated,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	25	30 – 45 Days After placing the P.O / S.O

122	8800 - Adapter, Enlarging, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
123	8801 - Adapter, Enlarging, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2	30 – 45 Days After placing the P.O / S.O
124	8820 - Adapter, Reduction, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	29 / 32	2	30 – 45 Days After placing the P.O / S.O
125	8821 - Adapter, Reduction, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2	30 – 45 Days After placing the P.O / S.O
126	Adapter, Receiver Bent With Vaccum Connection	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2	30 – 45 Days After placing the P.O / S.O
127	Adapter, Receiver Bent With Vaccum Connection	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
128	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10/19/	2	30 – 45 Days After placing the P.O / S.O
129	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2	30 – 45 Days After placing the P.O / S.O
130	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
131	Adapter Socket to Cone	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2	30 – 45 Days After placing the P.O / S.O

132	Adapter Socket to Cone	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
133	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2	30 – 45 Days After placing the P.O / S.O
134	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
135	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2	30 – 45 Days After placing the P.O / S.O
136	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
137	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2	30 – 45 Days After placing the P.O / S.O
138	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2	30 – 45 Days After placing the P.O / S.O
139	Tubes, Test, With Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50	30 – 45 Days After placing the P.O / S.O
140	Tubes, Test, With Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	50	30 – 45 Days After placing the P.O / S.O
141	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	100	30 – 45 Days After placing the P.O / S.O

142	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	100	30 – 45 Days After placing the P.O / S.O
143	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	20 ml	100	30 – 45 Days After placing the P.O / S.O
144	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,5 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50	30 – 45 Days After placing the P.O / S.O
145	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,10 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	50	30 – 45 Days After placing the P.O / S.O
146	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	10	30 – 45 Days After placing the P.O / S.O
147	Tubes, Culture, Amber, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,5 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50	30 – 45 Days After placing the P.O / S.O
148	Tubes, Culture, Amber, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,10 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	50	30 – 45 Days After placing the P.O / S.O
149	9mm, 2ml, 12 X 32, Clear Glass Screw Top Vial	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	100	30 – 45 Days After placing the P.O / S.O
150	9mm, PTFE - Silicone Septa in a Blue Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100	100	30 – 45 Days After placing the P.O / S.O
151	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	4mm ID x 7mm OD	5	30 – 45 Days After placing the P.O / S.O

152	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	6 mm ID x 9 mm OD	1	30 – 45 Days After placing the P.O / S.O
153	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	8 mm ID x 12 mm OD	1	30 – 45 Days After placing the P.O / S.O
154	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 mm ID x 14 mm OD	1	30 – 45 Days After placing the P.O / S.O
155	Flask Erlenmeyer, Conical, Wide mouth	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	20	30 – 45 Days After placing the P.O / S.O
156	Pipettes, Transfer, Volumetric, Accuracy as per Class A, With Certificate, NABL Certified,25 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 ml	5	30 – 45 Days After placing the P.O / S.O
157	Pipettes, Transfer, Volumetric, Accuracy as per Class A, With Certificate, NABL Certified,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5	30 – 45 Days After placing the P.O / S.O
158	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10/15	5	30 – 45 Days After placing the P.O / S.O
159	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14/15	5	30 – 45 Days After placing the P.O / S.O
160	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19/20	5	30 – 45 Days After placing the P.O / S.O

161	Vials, open-top screw cap, 2 mL large opening with closures, unassembled convenience packs (volume 2 mL, amber glass vial, thread 10-425, black polypropylene cap, PTFE/silicone septa, pkg of × 100 ea)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 nos.	1	30 – 45 Days After placing the P.O / S.O
162	Insert for 2 mL standard opening vial, 4.6 mm I.D. (volume 0.15 mL, clear glass conical (with bottom spring), O.D. × H 5 mm × 30 mm, pkg of 100 ea)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 nos.	1	30 – 45 Days After placing the P.O / S.O
163	Single Channel Variable Volume Pipette	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 - 10000 ml	2	30 – 45 Days After placing the P.O / S.O
164	Bottles, B.O.D. with Interchangeable Stopper and plastic cap,70 x143	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	70x143	60 nos	30 – 45 Days After placing the P.O / S.O
165	Reagent Bottles, Amber, narrow mouth, interchangeable flat stopper, graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	125 ml	10 nos	30 – 45 Days After placing the P.O / S.O
166	Volumetric Flask Interchangeable Solid Glass Stopper Accuracy as per Class A , Amber, with Certificate	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	20	30 – 45 Days After placing the P.O / S.O
167	Bottle Top Dispenser Pinnacle Model- with Re-circulation Valve, Calibration And Accuracy As Per ISO 8655	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 - 60 ml	4	30 – 45 Days After placing the P.O / S.O
168	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner, 30 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	30 ml	100	30 – 45 Days After placing the P.O / S.O

169	Bottles, Solution, Plain, Tooled Neck	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10000 ml	2	30 – 45 Days After placing the P.O / S.O
170	Flask, Erlenmeyer, Conical, Narrow mouth 1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	10	30 – 45 Days After placing the P.O / S.O

7. Procurement of Radiochemistry Chemicals

Sr. No.	CHEMICAL NAME	Wt./Vol. per box	Nos.	Total requirement	Unit	Schedule of Requirements
1	Methyl Red	25	3	75	gm	30 – 45 Days After placing the P.O / S.O
2	Brilliant cresyl blue	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
3	Cesium Nitrate	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
4	Di chloro iso cyanoric acid (Trione)	250	1	250	gm	30 – 45 Days After placing the P.O / S.O
5	Foli	100	5	500	ml	30 – 45 Days After placing the P.O / S.O
6	Methanol	2.5	3	7.5	L	30 – 45 Days After placing the P.O / S.O
7	Methanol leishmen’s stain	250	6	1500	mL	30 – 45 Days After placing the P.O / S.O
8	Potassium Sulphate	500	2	1000	gm	30 – 45 Days After placing the P.O / S.O
9	Potassium Chromate	500	2	1000	gm	30 – 45 Days After placing the P.O / S.O
10	Potassium hydrogen phthalate	500	2	1000	gm	30 – 45 Days After placing the P.O / S.O
11	Potassium Persulphate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
12	Pyridoxal 5-phosphate hydrate	1	1	1	gm	30 – 45 Days After placing the P.O / S.O

13	Silver Nitrate	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
14	Sodium Dihydrogen Phosphate monohydrate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
15	Sodium dithionite	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
16	Sodium hypochlorite solution	5	2	10	L	30 – 45 Days After placing the P.O / S.O
17	Starch soluble	500	2	1000	gm	30 – 45 Days After placing the P.O / S.O
18	Sodium molybdate Dihydrate	100	2	200	gm	30 – 45 Days After placing the P.O / S.O
19	Toulene(HPLC)	2.5	1	2.5	L	30 – 45 Days After placing the P.O / S.O
20	n-Hexane 95%	500	2	1000	mL	30 – 45 Days After placing the P.O / S.O
21	Phenolphthalein Certified	100	1	100	gm	30 – 45 Days After placing the P.O / S.O
22	Tert-Butyl methyl ether	1	1	1	L	30 – 45 Days After placing the P.O / S.O
23	Zinc Dust	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
24	Sulphamic Acid	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
25	Pararosaniline (Base)	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
26	Lead acetate Trihydrate	500	2	1000	gm	30 – 45 Days After placing the P.O / S.O
27	Ammonium Persulphate	500	3	1500	gm	30 – 45 Days After placing the P.O / S.O
28	Sodium borohydride	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
29	Strontium Nitrate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
30	Sodium Phosphate Dibasic Dihydrate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O

31	Iron (III) Chloride Hexahydrate OR Ferric chloride Hexahydrate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
32	Di-Chloro methane	1	1	1	L	30 – 45 Days After placing the P.O / S.O
33	Acetonitrile	2.5	1	2.5	L	30 – 45 Days After placing the P.O / S.O
34	Quinine sulphate dihydrate	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
35	1,4-DI[2-(PHENYLOXAZOLYL)] BENZEN (POPOP)	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
36	2,5-DIPHENYLOXAZOLE (PPO)	100	2	200	gm	30 – 45 Days After placing the P.O / S.O
37	TRI- AMMONIUM CITRATE	125	1	125	gm	30 – 45 Days After placing the P.O / S.O
38	AMMONIUM DIHYDROGEN PHOSPHATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
39	AMMONIUM MOLYBDO PHOSPHATE -(NH4)3 [PMo12O40] (AMP)	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
40	AMMONIUM OXALATE MONOHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
41	AMMONIUM SULPHATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
42	CALCIUM CARBONATE (771)	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
43	CALCIUM NITRATE TETRAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
44	DI SODIUM HYDROGEN ORTHOPHOSPHATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
45	Sodium dichloroisocyanurate	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
46	DIPOTASSIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
47	DISODIUM HYDROGEN PHOSPHATE ANHYDROUS	500	1	500	gm	30 – 45 Days After placing the P.O / S.O

48	FERRIC NITRATE NONAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
49	GLASS WOOL	250	1	250	gm	30 – 45 Days After placing the P.O / S.O
50	HYDROXYL AMMONIUM CHLORIDE	100	1	100	gm	30 – 45 Days After placing the P.O / S.O
51	LEAD ACETATE ANHYDROUS	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
52	LEAD CHLORIDE (PbCl2)	250	1	250	gm	30 – 45 Days After placing the P.O / S.O
53	LITHIUM NITRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
54	MAGNESIUM CARBONATE , LIGHT IP	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
55	MAGNESIUM NITRATE HEXAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
56	MERCURIC SULPHATE	250	1	250	gm	30 – 45 Days After placing the P.O / S.O
57	METHYL ORANGE INDICATOR	125	1	125	ml	30 – 45 Days After placing the P.O / S.O
58	METHYL RED INDICATOR	125	1	125	ml	30 – 45 Days After placing the P.O / S.O
59	MOLYBDIC ANHYDRIDE OR MOLYBDENUM TRIOXIDE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
60	N-(1-NAPTHYL) ETHYLENE DIAMINE DIHYDROCHLORIDE	5	1	5	gm	30 – 45 Days After placing the P.O / S.O
61	N-2 HYDR0XYETHYLPIP ERAZINE N-2 ETHANESULPHONIC ACID	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
62	NAPHTHALENE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
63	NICKEL (II) SULPHATE HEXAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O

64	PHENOLPHTHALEIN SOULUTION	125	1	125	ml	30 – 45 Days After placing the P.O / S.O
65	POTASSIUM ANTIMONYL OR POTASSIUM ANTIMONY (III)OXIDE TARTARATE TRIHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
66	POTASSIUM HYDROGEN PHTHALATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
67	POTASSIUM PERMANGANATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
68	POTASSIUM SULPHATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
69	SODIUM HYDROGEN CARBONATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
70	SODIUM CHROMATE	100	2	200	gm	30 – 45 Days After placing the P.O / S.O
71	SODIUM DICHLORO ISOCYANURATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
72	SODIUM DODECYL SULPHATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
73	SODIUM IODIDE	250	1	250	gm	30 – 45 Days After placing the P.O / S.O
74	SODIUM META BISULPHITE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
75	SODIUM OXALATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
76	SODIUM PHOSPHATE[NaH2PO4] MONOBASIC ANHYDROUS	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
77	SODIUM SALICYLATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
78	SODIUM METASILICATE NONAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
79	SODIUM TUNGSTATE DIHYDRATE	100	1	100	gm	30 – 45 Days After placing the P.O / S.O

80	STANNIC CHLORIDE PENTAHYDRATE	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
81	SULFAMIC ACID	500	1	500	gm	30 – 45 Days After placing the P.O / S.O
82	TRI BUTYL PHOSPHATE (TBP)	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
83	YTTRIUM (III) NITRATE HEXAHYDRATE	25	1	25	gm	30 – 45 Days After placing the P.O / S.O
84	ZIRCONIUM OXYCHLORIDE	100	1	100	gm	30 – 45 Days After placing the P.O / S.O
85	ACETIC ACID GLACIAL	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
86	ACETONE	500	2	1000	ml	30 – 45 Days After placing the P.O / S.O
87	CARBON TETRA CHLORIDE	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
88	METHANOL DRIED	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
89	ISOPROPY ALCOHOL	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
90	ORTHOPHOSPHORIC ACID 85%	500	2	1000	ml	30 – 45 Days After placing the P.O / S.O
91	1.4-DIOXANE	500	1	500	ml	30 – 45 Days After placing the P.O / S.O
92	INSTAGEL SCINTILLATOR COCKTAIL	1000	2	2000	ml	30 – 45 Days After placing the P.O / S.O

QUOTATION FORM

Date :.....Credit/Loan No :.....IFQ No :.....

TO: (Name and address of purchaser)

Gentlemen and/or Ladies :

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver Item numbers …… in conformity with the said bidding documents at the unit rates as specified in the attached Price Schedule.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our bid is accepted, we will furnish Performance Security equivalent to ..... percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this bid for the Bid validity period specified in ITB Clause 8 of the bidding document and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand that you are not bound to accept the lowest or any bid you may receive.

We clarify/confirm that we comply with the eligibility requirements as per ITB Clause 1 of the bidding documents.

Dated this ..... day of ..... 201 .....

_____

_____

(Signature of the Bidder)

PRICE SCHEDULE

Item No	Description of the goods	Quantity	Unit	Quoted unit price for delivery up to destination	Cost of Incidental services	Total Unit cost (Rs) [Col(5+6)]		Amount (Rs) [Col(3x9)]	Sales and other taxes payable
						In Figures	In words		
1	2	3	4	5	6	7	8	9	10
Item 1									
Item 2									
Item 3									
Item 4									

We agree to supply the above items of goods in accordance with the technical specifications for the amount against each item as shown in the Price schedule, within the period specified in the Invitation for Quotations.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitors.

Signature of Supplier

CONTRACT FORM

THIS AGREEMENT made the .....day of....., 201... Between.....

(Name of purchaser) (Hereinafter called "the Purchaser") of the one part and..... *(Name of Supplier)* of ..... (Hereinafter called "the Supplier") of the other part:

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz.,

..... *(Brief Description of Goods and Services)* and has accepted a quotation by the Supplier for the supply of those goods and services in the sum of ..... *(Contract Price in Words and Figures)* (Hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

   (a) the Quotation Form and the Price Schedule submitted by the Bidder;
   (b) the Schedule of Requirements;
   (c) the Technical Specifications;
   (d) Conditions of Contract; and
   (e) the Purchaser's Notification of Award.

3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

   Brief particulars of the goods and services which shall be supplied /provided by the Supplier are as under:

Sl.No	Brief description of goods and services	Quantity to be supplied	Unit rates	Total price	Delivery terms

TOTAL VALUE:
DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the
said ..... (For the Purchaser)
in the presence of:.....

Signed, Sealed and Delivered by the

said ..... (For the Supplier)

in the presence of:.....

CONDITIONS OF CONTRACT

1. Definitions

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

(a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
(b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
(c) "The Goods" means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
(d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;
(e) "CC" mean the Conditions of Contract contained in this section.
(g) "The Purchaser" means the organization purchasing the Goods, as named in SCC.
(i) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract

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2. Standards

2.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

3. Use of Contract Documents and Information; Inspection and Audit by the Bank

3.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

3.2 The supplier shall permit the Bank to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Bank, if so required by the Bank.

4. Patent Rights

4.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

5. Performance Security:

5.1 Within 10 days of receipt of the notification of contract award, the Supplier shall furnish performance security to the Purchaser for an amount of 5% of the contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

5.2 The Performance Security shall be in one of the following forms:

(a) A Bank guarantee issued by a nationalized/scheduled bank located in India, in the form provided in the bidding documents **(Attachment 1);** or

(b) A cashier's cheque, banker's certified cheque, or crossed demand draft or pay order in favour of Purchaser;

5.3 In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the extended warranty period.

5.4 In the event of any contract amendment, the Supplier shall, within 15 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty obligations.

5.5 The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including warranty obligations under the contract.

6. Inspections and Tests

6.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.

6.2 The inspections and tests may be conducted on the premises of the Supplier, at the Goods final destination. If conducted on the premises of the Supplier, all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

6.3 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

6.4 Nothing in GCC Clause 6 shall in any way release the Supplier from any warranty or other obligations under this Contract.

7. Packing

7.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

7.2 The Supplier will be required to make separate packages for each Consignee. Each package will be marked on three sides with proper paint/indelible ink, the following:
i) Project ii) Contract No. iii) Country of Origin of Goods iv) Supplier's Name, and v) Packing list reference number.

8. Delivery and Documents

8.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Notification of Award. Upon delivery of the Goods, the supplier shall notify the purchaser and the insurance company by cable/e-mail/fax the full details of the shipment including contract number, railway receipt number and date, description of goods, quantity, name of the consignee etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:

(i) 2 Copies of the Supplier invoice showing contract number, goods' description, quantity, unit price, total amount;

(ii) Railway receipt/acknowledgment of receipt of goods from the consignee(s);

(iii) 2 Copies of packing list identifying the contents of each package;

(iv) Insurance Certificate;

(v) Manufacturer's/Supplier's warranty certificate;

(vi) Inspection Certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and

(vii) Certificate of Origin.

The above documents shall be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.

9. Insurance

9.1 The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes

10. Transportation

10.1 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination, transport to such place of destination including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the Contract Price.

11. Incidental Services

11.1 The supplier may be required to provide any or all of the following services:

(a) Unloading, safe storage and handling of the consignment at the delivery site;
(b) Performance of the on-site assembly, commissioning and start-up of the supplied Goods;
(c) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
(d) Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;
(e) training of the Purchaser's personnel (3 people in one batch), at the Supplier's office or other facility in the assembly, start-up, operation, maintenance and/or repair of the supplied Goods.
(f) Maintenance repair of the goods at each location during the warranty period including supply of all spares;

12. Spare Parts

12.1 The Supplier may be required to provide any or all of the following notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

(a) In the event of termination of production of the spare parts:

(i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and

(ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.

13. Warranty

13.1 The Supplier warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

13.2 The warranty period shall be 12 months from date of acceptance of Goods or 18 months from the dates of Shipment, whichever occurs earlier. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract.

13.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

13.4 Upon receipt of such notice, the Supplier shall, within 15 days and with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months

13.5 If the Supplier, having been notified, fails to remedy the defect(s) within 15 days, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

14. Payment

14.1 The method and conditions of payment to be made to the Supplier (in Indian Rupees) under this Contract shall be as under:

(i) *On Delivery*: Eighty percent of the contract price shall be paid on receipt of Goods at the final destination; and

(iii) *On Final Acceptance*: the remaining twenty percent of the Contract Price shall be paid to the supplier within 30 days after the date of the acceptance certificate issued by the Purchaser’s representative for the respective delivery

14.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted and upon fulfillment of other obligations stipulated in the contract.

14.3 Payments shall be made promptly by the Purchaser but in no case later than sixty (60) days after submission of the invoice or claim by the Supplier.

15. Prices

15.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

15.2 Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

16. Contract Amendments

16.1 No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

17. Assignment

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

18. Delays in the Supplier's Performance

18.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the Schedule of Requirements.

18.2 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, it's likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

18.3 Except as provided under GCC Clause 21, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 19, unless an extension of time is agreed upon pursuant to GCC Clause 18.2 without the application of liquidated damages.

19. Liquidated Damages

19.1 Subject to GCC Clause 21, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% per week of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 20

20. Termination for Default

20.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

(a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to CC Clause 18; or

(b) if the Supplier fails to perform any other obligation(s) under the Contract.

(c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

20.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to CC Clause 20.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

21. Force Majeure

21.1 Notwithstanding the provisions of CC Clauses 18, 19, 20, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

22. Settlement of Disputes

22.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

22.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Arbitration proceedings shall be conducted by a sole Arbitrator, in accordance with Arbitration and Conciliation Act 1996.

Attachment 1

PERFORMANCE SECURITY BANK GUARANTEE FORM

TO:
……
……
……

WHEREAS……….. (Name of the Supplier) hereinafter called "the Supplier" , has undertaken, in pursuance of Contract to supply…… (Description of equipment and services) hereinafter called "the Contract"

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a national/scheduled Bank located in India for the sum specified therein as security for compliance of the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier up to a total of Rs……(in figures) …….. (in words) (Amount of Guarantee) and we undertake to pay you up on your written demand declaring the Supplier to be in default under the Contract and without cavil or argument any sum or sums within the limit of Rs. ……. (Amount of Guarantee) without your needing to prove or show grounds or reasons for your demand or the sum specified therein.

This Guarantee is valid until the …… day of ……. 201…

Date …….

Signature and seal of Guarantors
Address:…….
……

Attachment 2

Format of Performance Statement for the last three years to be submitted by the Bidder

IFQ No……. Name of Bidder…….

Order placed by (Full address of Purchaser)	Order No and date	Description and quantity of equipment ordered	Value of order (Rs)	Date of completion of delivery As per contract/ Actual or revised	Quantity of supplies made as on date	Additional supplies to be made in the period of this contract	Remarks indicating reason for late delivery if any	Has the equipment been satisfactorily functioning (Attach a certificate from the Purchaser)
1	2	3	4	5	6	7	8	9

TECHNICAL SPEICFICATIONS

Annexure - 3

1. Purchase of materials required for HPLC & GCMS

Sl No.	Chemical Name	Volume (per bottle)	Number	Total Requirement
1	Methanol (HPLC grade)	2.5 l	1	5 L
2	Iso-propyl alcohol (HPLC grade)	2.5 l	1	5 L
3	Acetonitrile (HPLC grade)	2 l	1	6 L
4	HPLC grade water	4x2.5 l	1	20 L
5	Na_2HPO_4 , Sodium Phosphate, Dibasic (for HPLC)	500 g	1	500 g
6	Dichloromethane (HPLC grade)	1 L	10	10 L
7	Hexane (HPLC grade)	1 L	2	12 L
8	AA standard, AAS18, 10X1ML	1 ml	10X1ml	10
9.	Ultra-pure CO_2 gas (99.999%)	30 lit+ Cylinder	1	30 L
10.	10 mm Path length Fluorometer quartz Cuvettes	10 mm path	1 pair	3.5 ml capacity
11	Phthaldialdehyde reagent; Solution complete - HPLC grade - For Precolumn derivatization reagent for primary amines and amino acids	5ml	2 bottles	10 l

2. Procurement of Oligonucleotides / Primers

Sl. No.	Oligo Name	Sequence 5' to 3'	Req. Qty	Scale (µmole)	Purification
1	LCO1490	GGTCAACAAATCATAAAGATATTGG	2	0.025	DST
2	HCO2198	TAAACTTCAGGGTGACCAAAAAATCA	2	0.025	DST
3	FishF1	TCAACCAACCACAAAGACATTGGCAC	1	0.025	DST
4	FishF2	TCGACTAATCATAAAGATATCGGCAC	1	0.025	DST
5	FishR1	TAGACTTCTGGGTGGCCAAAGAATCA	1	0.025	DST
6	FishR2	ACTTCAGGGTGACCGAAGAATCAGAA	1	0.025	DST
7	16SAR-L(FP)	CGCCTGTTTATCAAAAACAT	2	0.025	DST
8	16SBR-H(RP)	CCGGTCTGAACTCAGATCACGT	2	0.025	DST

3. Purchase of Glass Double Distillation Unit

Sl No.	Chemical Name	Brand	Quantity
1	All Glass Double Distillation Unit, Horizontal type with 4L/hr water output capacity	BOROSIL or Equivalent Brand	1 No
2	Distillation Apparatus Power Supply for auto Power cut off	BOROSIL or Equivalent Brand	1 No

4. Procurement of Chemicals

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
1	1-Propanol	GR/AR	500 ml	3	1.5 L
2	2-Propanol	GR/AR	1000 ml	2	2 L
3	Acetic Acid	GR/AR	500 ml	2	1 L
4	Acetone (99.0%)	GR/AR	2.5 lt	3	7.5 L
5	Ammonia solution 30%	GR/AR	500 ml	4	2 L
6	Ammonium chloride	GR/AR	500 gm	1	500 gm
7	Ammonium sulphate	GR/AR	500 gm	2	1 kg
8	Ammonium heptamolybdate tetrahydrate	GR/AR	100 gm	10	1 kg
9	Ammonium pyrolidine dithiocarbomate (APDC) (~99% assay)	~99% assay	25 gm	2	50 gm
10	Ascorbic acid	GR/AR	100 gm	5	500 gm
11	Barium nitrate	GR/AR	500 gm	1	500 gm
12	Bismuth nitrate [$Bi(NO_3)_2.5H_2O$]	GR/AR	100 gm	1	100 gm
13	Boric acid powder pure	GR/AR	500 gm	1	500 gm
14	Calcium chloride	GR/AR	500 gm	1	500 gm
15	Cesium Nitrate	99+	25 gm	2	50 gm
16	Copper (II) sulfate pentahydrate	GR/AR	500 gm	2	1 kg
17	Di-butyl hydroxyl toluene	≥99% , FG/FCC	50 gm	2	100 gm
18	di-Sodium tetraborate deca hydrate ($Na_2B_4O_7.10H_2O$)	GR/AR	500 gm	1	500 gm
19	Ethanol Absolute 99.9%	99.9% China make	500 ml	20	10 L
20	Ferrous ammonium sulfate (FAS)	GR/AR	500 gm	5	2.5 kg
21	Folin (Q)	GR/AR	125 ml	6	600 ml
22	Hydrochloric acid 37%	GR/AR	2.5 lt	6	15 L
23	Hydrofluoric Acid (HF)	GR/AR	500 ml	10	5 L
24	Hydrogen peroxide 30%	GR/AR	500 ml	6	3 L
25	Iodine resublimied	GR/AR	100 gm	2	200 gm

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
26	Lead Nitrate $Pb(NO_3)_2$	GR/AR	100 gm	1	100 gm
27	Magnesium perchlorate	ACS reagent	500 gm	2	1 kg
28	Magnesium chloride	GR/AR	500 gm	1	500 gm
29	Magnesium Sulphate	ACS reagent	500 gm	4	2 kg
30	Mercury (II) chloride	GR/AR	100 gm	3	300 gm
31	Metol (p-methylaminophenol sulphite)	ACS reagent	100 gm	3	300 gm
32	Nitric acid 69%	GR/AR	2.5 lt	4	10 L
33	Orthophosphoric acid 88%	GR/AR	2.5 lt	2	5 L
34	Perchloric acid (70%)	ACS reagent	500 ml	2	1 L
35	Phenol	ACS reagent	500 gm	2	1 kg
36	Potassium antimony (III) oxide tartrate hemihydrate	GR/AR	500 gm	3	1.5 kg
37	Potassium chloride	GR/AR	500 gm	3	1.5 kg
38	Potassium dichromate	GR/AR	500 gm	2	1 kg
39	Potassium dihydrogen phosphate	GR/AR	500 gm	1	500 gm
40	Potassium hydrogen phthalate	GR/AR	250 gm	1	250 gm
41	Potassium hydroxide pallets	GR/AR	500 gm	1	500 gm
42	Pyridoxal 5-phosphate hydrate ($C_8H_{10}NO_6.H_2O$)	≥98% assay	1 gm	2	2 gm
43	Silica gel 5-8 mesh (blue,coarse) self-indicating	SRL make	500 gm	2	1 kg
44	Silver nitrate	GR/AR	25 gm	2	50 gm
45	Sodium Chloride	GR/AR	500 gm	5	2.5 kg
46	Sodium dihydrogen phosphate monohydrate	GR/AR	500 gm	3	750 gm
47	Sodium dithionite	GR/AR	500 gm	2	1 kg
48	Sodium Hypochlorite solution (6-14% active chlorine)	GR/AR	2.5 lt	2	5 L
49	Sodium metasilicate ($Na_2SiO_3.\ 9H_2O$)	≥98% assay	1 kg	1	1 kg
50	Sodium nitrate	GR/AR	500 gm	1	500 gm

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
51	Sodium nitrite	GR/AR	500 gm	2	1 kg
52	Sodium nitroprusside dihydrate $Na_2[Fe(CN)_5NO].2H_2O$	GR/AR	100 gm	3	300 gm
53	Sodium sulfate	GR/AR	500 gm	1	500 gm
54	Starch soluble	GR/AR	500 gm	1	500 gm
55	Sulfuric acid 98%	GR/AR	2.5 lt	7	17.5 L
56	Titriplex III ($C_{10}H_{14}N_2Na_2O_8.2H_2O$)	GR/AR	100 gm	3	300 gm
57	Trichloroacetic acid	GR/AR	500 gm	4	2 kg
58	Suphanilic Acid	ACS grade	100 gm	2	200 gm
59	Sodium Molybdate Dihydrate	ACS grade	100 gm	3	300 gm
60	Potassium tartarate dibasic hemihydrate	99-102% assay (perchloric acid titration)	500 gm	1	500 gm
61	Phenolphthalein Certified	AR/GR	100 gm	1	100 gm
62	Zinc Dust	> 90% assay	500 gm	1	500 gm
63	Ammonium Iron (II) sulphate	ACS grade	500 gm	1	500 gm
64	Tannic acid	ACS reagent	100 gm	2	100 gm
65	Pararosaniline	SRL make	25 gm	1	25 gm
66	Di-Potassium hydrogen orthophosphate	for chromatography LiChropur®	500 gm	2	1 kg
67	Cobalt (II) Chloride	AR/GR	100 gm	3	300 gm
68	Xylene Low in Sulphur	ACS grade	500 ml	2	1 L
69	Fast Blue RR Salt	SRL make	25 gm	2	50 gm
70	Iron(III) chloride hexahydrate	ACS reagent	250 gm	2	500 gm
71	EDTA Calcium disodium salt	AR/GR	500 gm	1	500 gm
72	Protein Standard	analytical standard, 200 mg/mL (BSA)	10 ml	1	10 ml
73	Methanol (HPLC grade)	HPLC grade	2.5 L	4	10 L
74	Iso-propyl alcohol (HPLC grade)	HPLC grade	2.5 L	4	10 L
75	Acetonitrile (HPLC grade)	HPLC grade	2 L	5	10 L

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
76	HPLC grade water	HPLC grade	4x2.5 L	1	10 L
77	Na2HPO4 , Sodium Phosphate, Dibasic	≥99.0% assay, BioXtra	500 g	1	500 g
78	Dichloromethane (HPLC grade)	HPLC grade	1 L	10	10 L
79	Hexane (HPLC grade)	HPLC grade	1 L	2	12 L
80	Acetone (HPLC grade)	HPLC grade	2.5 L	4	10 L
81	Sodium hydroxide	≥98% assay (acidimetric), BioXtra	500 g	2	1 kg
82	Sodium sulfate	BioUltra, ≥99.0% assay (calc. on dry substance, T)	500 g	2	1 kg
83	Magnesium sulfate	Anhydrous, reagent grade, ≥97% assay	500 g	2	1 kg
84	100bp DNA ladder (For Electrophore)	SIGMA-ALDRICH, P1473-1VL	50 RXNS	3	
85	HiPurA Soil DNA Purification Kit	HIMEDIA, MB542-50PR	50 Reactions	1	
86	Bovine serum albumin	HIMEDIA, MB083-5G	5 gm	2	10 gm
87	Acetone LR	LR	2.5L	2	5 L
88	DNA Xpress reagent	HIMEDIA, MB501-100 ml	100ml	2	200 ml
89	Methanol	HIMEDIA, MB113-500ML	500ml	4	2 L
90	Sodium hydroxide pellets	AR/GR	100g	2	200 gm
91	Agarose	HIMEDIA, MB053-100G	100G	2	200 gm
92	Zobel marine agar	HIMEDIA, M384-500G	500G	1	500 gm
93	6 X Gel Loading buffer (Dye)	HIMEDIA, ML015-6X1ML	50RXNS	5	
94	DNeasy Blood & Tissue Kit (50)	Qiagen, 69504	50 Rxns	2	2
95	QIAquick PCR Purification Kit (50)	Qiagen, 28104	50 Rxns	2	2
96	QIAGEN Proteinase K (2 ml)	Qiagen, 19131	2 ml	2	2
97	RNase A (17,500 U) (2.5 ml)	Qiagen, 19101	2.5 ml	1	1

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
98	Homogenizer with serrated pestle (s.p) 1 ml	HIMEDIA, GW171-1NO	1 ml	2	2
99	Homogenizer with serrated pestle (s.p) 2 ml	HIMEDIA, GW172-1NO	2 ml	2	2
100	Tris base	HIMEDIA, TC072-500G	500 g	4	500 g X 4
101	Agarose, Ultrapure, Low EEO	HIMEDIA, MB229-100G	100 g	2	2
102	Rose bengal, Practical grade	Practical grade	100 g	1	100 g
103	Ethidium Bromide	HIMEDIA, TC233-1G	1 g	1	1 g
104	Isoamyl alcohol (mixture of isomers) EMPLURA®	MERCK, 8.22255.0521	500 ml	1	500 ml
105	Formaldehyde solution min. 37% (stabilized with about 10% methanol), EMPLURA®	MERCK, 1.94989.5021	5 L	4	20 L
106	Glycerol anhydrous EMPLURA	MERCK, 1.94501.0521	500 ml	2	1000 ml
107	DPX mountant for histology slide	Sigma Aldrich, 06522-500 ML	500 ml	1	500 ml
108	Hematoxylin (Mayer's)	Sigma Aldrich, H9627-25 G	25 g	1	25 g
109	Eosin (Sprit soluble)	Sigma Aldrich, 45230	25 g	1	25 g
110	Xylene	Histological grade, Sigma Aldrich, 534056-4L	4 L	2	8 L
111	Tris acetate-EDTA Buffer 10X concentration	Sigma Aldrich, T8280-1L	1 L	2	2 L
112	KAPA2G FAST HS RM (1.25 ml)	Sigma Aldrich, KK5603	1.25 ml	2	2.5 L
113	Histopathology slide box	Sigma Aldrich, BR476000-1EA	100 slides, 76 X 26 mm	1	1 Box (100 slides, 76 x 26 mm)
114	Paraffin wax (58-60 °C melting point)	Sigma Aldrich, 327212-1KG	1 kg	4	4Kg

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
115	Acetone	Spectrum Chemical, HS001-4LTGL	4 L	2	8L
116	Ethanol, 99.5%, ACS reagent, absolute, 200 proof, ACROS Organics	99.5%, ACS reagent, absolute, 200 proof, ACROS Organics (Fisher scientific, CAS NO: 64-17-5, 7732-18-5)	500 ml	10	5 L
117	Propane-2-ol	Himedia, AS068-2.5L	2.5 L	5	12.5
118	DNA/RNAse free, flat lid	Himedia, PW1255-1 x 1000NO	1	1	1
119	Agaros Special Low EEO	Himedia, MB002-500G	500 gm	1	500 gm
120	DNA-Xpress Reagent	Himedia, MB501-100	500 ml	3	1.5 L
121	Red dye Master mix	Amplicon, A160303		5	5
122	Ethanol	China Make	500 ml	25	12.5 Lt
123	Agarose Low EEO	Himedia, RM271	100 gm	5	500 gm
124	100bp DNA ladder (5x50ug)	SIGMA-ALDRICH, BLL001	3 pkt	3 pkt	3 pkt
125	Acetic Acid Glacial	Extrapure	2.5 Lt	2	5 L
126	NaOH	Extrapure	500 gm	5	2.5 kg
127	Iodine	ACS reagent, ≥99.8%, solid	100 gms	1	100 gm
128	Ammonia	0.91d AR (about 25%)	2.5 lt	4	10 L
129	Activated Charcoal	Extrapure	500 gm	2	1 kg
130	Boric Acid Crystals AR	AR/ACS	500 gm	2	1 kg
131	Buffer solution pH 4.0	Finar, 10336LM500	500 ml	5	2.5 L
132	Buffer solution pH 7.0	Finar, 10337LM500	500 ml	5	2.5 L
133	Buffer solution pH 9.2	Finar, 10338LM500	500 ml	5	2.5 L
134	Diethylether	Extrapure	2.5 lt	10	2.5 L
135	Dimethyl Sulfoxide	Extrapure	2.5 lt	2	5 L
136	Hexane	HPLC & Spectroscopy grade	2.5 lt	20	50 L
137	Nitric acid	Extrapure	2.5 lt	4	10 L
138	Toluene	AR/ACS	2.5 lt	4	10 L

139	Petroleum Ether	60-80 deg C, Extrapure	2.5 lt	10	25 L
140	Silica Gel G for TLC	For TLC	500 gm	3	1.5 kg
141	Silica gel GF 254 for TLC	For TLC	500 gm	4	2 kg
142	Silica gel H for TLC (without binder)	For TLC (without binder)	500 gm	5	2.5 kg
143	Silica gel HF 254 for TLC	For TLC	500 gm	5	2.5 kg
144	Silicone Oil	(LAB)	2.5 lt	1	2.5 L
145	Silver Bromide	Extrapure	25 gm	1	25 gm
146	Silver nitrate extrapure	Extrapure	25 gm	1	25 gm
147	Acetic acid for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	5	5 L
148	Acetonitrile for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 lt	5	12.5 L
149	tert-Butanol for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	2	2 L
150	Chloroform for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 lt	10	25 L
151	Dichloromethane for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 lt	2	5 L
152	Diethylamine for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	2	2 L
153	N,N-Dimethyl formamide for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	1	1 L
154	Ethyl acetate for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	5	5 L
155	Hexane (fraction from petroleum) for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 lt	5	12.5 L
156	n-Hexane 99% for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	2.5 lt	5	12.5 L
157	Methanol for HPLC & Spectroscopy	HPLC & Spectroscopy grade	2.5 lt	15	37.5 L
158	pH Indicator paper wide range pH 2.0-10.5	Finar, 11147BK010	10 pkts	5	
159	Potassium hydroxide pellets extrapure	Extrapure	500 gm	10	5 kg
160	Propan-1-ol for HPLC & Spectroscopy (n-Propanol)	HPLC & Spectroscopy grade	1 lt	5	5 L
161	Propan-2-ol (IPA) for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	5	5 L

Sl No.	Chemical Name	Grade/Specification	Volume / Weight Specification	Quantity	Total Requirement
162	Pyridine for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	2	2 L
163	Silica gel for column chromatography 100-200 mesh	Finar, 11448SG500	500 gm	10	5 kg
164	Silica gel for column chromatography 230-400 mesh	Finar, 11449SG500	500 gm	10	5 kg
165	Silica gel 5-8 mesh (blue,coarse) self-indicating	Finar, 11450SG500	500 gm	10	5 kg
166	Tetrahydrofuran for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	2	2 L
167	Toluene for HPLC & Spectroscopy	HPLC & Spectroscopy grade	1 lt	5	5 L
168	Trifluoroacetic acid 99.9% for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	1 lt	5	5 L
169	Water for HPLC & Spectroscopy	HPLC & Spectroscopy grade, > 99% assay	1 lt	20	20 L
170	Ethanol AR ACS	AR/ACS	500 ml	20	10 L
171	Ethanol HPLC	HPLC grade	500 ml	20	10 L
172	CTAB	Himedia, MB101-100G	100 gm	1	100 gm
173	Isoamyl alcohol	Himedia, MB091-500ML	500 ml	1	500 ml
174	Dimethyl sulfoxide-d6	"100%", 99.96 atom % D	25 gm	1	25 gm
175	CDCl3	"100%", 99.96 atom % D	50 gm	20	1 kg
176	Anhydrous calcium Chloride	anhydrous, granular, ≤7.0 mm, ≥93.0 % assay	500 gm	1	500 gm
177	Sodium sulfate anhydrous	ACS reagent, ≥99.0% assay, anhydrous, granular	500 gm	10	5 kg
178	Methanol-D4	Deuteration degree min. 99.95% for NMR spectroscopy MagniSolv™	10 x 0.5 ml	1	10 x 0.5 ml
179	Potassium bromide	FT-IR grade, ≥99% trace metals basis	100 gm	2	200 gm
180	Iodine	ACS reagent, ≥99.8%, solid	100 gm	1	100 gm
181	Cadmmium granules 0.3 mm	MERCK, 1.02001.1000	250 gm	1	250 gm

5. Procurement of Plastic Wares

Sl No.	Item Name	Brand	Volume	Quantity	Total Requirement
1	CryoChill 1'C Cooler, 18places 1 or 1.8ml, 1/Pkt	Tarson	1 no.	1	1
2	Accupipet, 20-200ul, Model: T200, 1/Pkt	Tarson	1 no.	1	1
3	Accupipet, 0.5-2ul, Model: T2, 1/Pkt	Tarson	1 no.	1	1
4	Accupipet, 100-1000ul, Model: T1000, 1/Pkt	Tarson	1 no.	1	1
5	Pipette Tips - Bulk Packs, 0.2 - 10ul, 1000/Pkt	Tarson	1000/pkt	15	15
6	Pipette Tips - Bulk Packs, 2-200ul, 1000/Pkt	Tarson	1000/pkt	15	15
7	Pipette Tips - Bulk Packs, 200-1000, 500/Pkt	Tarson	500/pkt	15	15
8	Racked Graduated Tips Sterile 10 ul, 10/Pkt	Tarson	10/pkt	2	2
9	Racked Graduated Tips Sterile 200 ul, 10/Pkt	Tarson	10/pkt	2	2
10	Racked Graduated Tips Sterile 1000 ul, 10/Pkt	Tarson	10/pkt	2	2
11	Micro Centrifuge Tube, 1.5ml, 500/Pkt	Tarson	500/pkt	15	15

12	Micro Centrifuge Tube, 2.0ml, 500/Pkt	Tarson	500/pkt	10	10
13	PCR 0.2ml Tube w/Cap, Flat, 1000/Pkt	Tarson	1000/pkt	2	2 pack (1000/pack)
14	CryoChill - 20'C Mini Cooler, 12places 1.5ml, 1/Pkt	Tarson	1 no.	1	1
15	Utility tray (White) Material: PP	Tarson	6 nos (in 1 pack)	1	6 nos/1 pack
16	Utility tray (White) Material: PP	Tarson	2 nos (in 1 pack)	3	6 nos/3 pack
17	Sample container , materiasl : PP/HDPE	Tarson	280 /pack	5	5 packs (280 per pack)
18	Sample container , materiasl : PP/HDPE	Tarson	384/pack	5	5 packs (384 per pack)
19	Safeskin Purple Nitrile Golves 9.5" Length (Medium)	Tarson	100 nos	5	5 pack
20	Safeskin Purple Nitrile Golves 9.5" Length (Large)	Tarson	100 nos	5	5 pack
21	Wide mouth wash bottle	Tarson	6 nos (in 1 pack)	1	6 nos/1 pack
22	Measuring scoop	Tarson	6 nos (in 1 pack)	2	2 Pack (6 nos/pack)
23	16"X20" Spilfyter Lab Soakers Pad	Tarson	250 pds/pack	1	250 pads/pack
24	20"X200" roll Spilfyter Lab Soakers	Tarson	1 roll	1	1 Roll
25	Autoclavable biohazard bags (14"X 19")	Tarson	100 nos (in 1 pack)	1	1 pack (100 nos)
26	Autoclavable biohazard bags (8"X 12")	Tarson	100 nos (in 1 pack)	1	1 pack (100 nos)

27	10 ml serological pipette sterile	Tarson		1	1 pack
28	25 ml serological pipette sterile	Tarson		1	1 pack
29	PCR mini cooler capacity 0.2 ml (96 places)	Tarson	1 no.	1	1 pack
30	Staining Box 22.5x22.5x5	Tarson	2 nos (in 1 pack)	1	1 pack (2 nos)
31	Quick freeze (12 places of 1.5 ml capacity)	Tarson	1 no.	1	1 pack
32	Storage box	Tarson	4 nos (in 1 pack)	1	1 pack (4 nos)
33	Specimen container 125 ml capacity	Tarson	12 nos (in 1 pack)	15	15 pack (12 nos/pack)
34	Specimen container 500 ml capacity	Tarson	6 nos (in 1 pack)	15	15 pack (6 nos/pack)
35	Microscope slide ground edges, twin frosted end (76x26x1)	Hirschmann		25	25 Pack
36	Fast release pipette Pump (10 ml capacity)	Abdos	4 nos (in a case)	1	1 case
37	Clamp magnifying glass with LED Lamp (10X magnification)	Newtech Trading corporation	1 no.	2	2
38	Desktop Magnifying glass with LED lamp (10 X magnifying)	Newtech Trading corporation	1 no.	2	2
39	Mini cooler 0*C for 12 place of 1.5ml	Tarson			1 No.
40	Mini cooler-20*C for 12 place of 1.5ml	Tarson			1 No.
41	Micropipete tips box 0.2-10µl	Tarson			1 No.

42	Micro tip 0.2 -10µl (box of 1000 no	Tarson			2 Box
43	Micro tip 2-200ul(box of 1000no)	Tarson			2 Box
44	Micro tip 200-1000ul (box of 500no)	Tarson			2 Box
45	Microcentrifug tube 1.5ml	Tarson			1 Box
46	Microcentrifug tube 2ml	Tarson			2 Box
47	Centrifuge tube 15mlSterile (1box X 500 no)	Tarson			1 Box
48	Centrifuge tube 15ml (1box of 500no)	Tarson			1 Box
49	Storage vial 2ml (1box of 1000no)	Tarson			1 Box
50	Sample container 50ml (Sterile)	Tarson			1 Box
51	100ml sample container (Sterile) 100ml	Tarson			2 Box
52	100ml sample container (non-Sterile)	Tarson			1 Box
53	Wide Mouth HDPE bottles	Tarson	125 ml	2	144 (2 packs)
54	Wide Mouth HDPE bottles	Tarson	250 ml	2	144 (2 packs)
55	Wide Mouth HDPE bottles	Tarson	500 ml	1	48 (1 pack)
56	Wide Mouth HDPE bottles	Tarson	1 L	3	72 (3 packs)
57	Carboy with Stopcock	Tarson	10 L	3	3
58	Carboy with Stopcock	Tarson	20 L	3	3
59	Wash bottle new type	Tarson	500 ml	2	12 (2 packs)
60	Dropping bottle	Tarson	120 ml	1	12 (1 pack)
61	Utility Tray	Tarson	360 x 310 x 130	1	6 (1 pack)

62	Utility Tray	Tarson	540 x 435 x 130	1	6 (1 pack)
63	Powder Funnel	Tarson	80 mm dia	1	36 (1 pack)
64	Pippette Rack Horizontal	Tarson	12 places	1	6 (1 pack)
65	Menbrane Filter Holder	Tarson	47 mm	1	1
66	Syringe Filter	Tarson	25 mm	1	2 (1 pack)
67	Macro tips	Tarson	10 ml	1	100 (1 pack)
68	Rockyvac Vacuum Pump	Tarson	Rocker 400	1	1
69	Spinwin Tube Conical Bottom	Tarson	50 ml	1	500 (1 pack)
70	Spinwin Tube Conical Bottom	Tarson	15 ml	1	500 (1 pack)
71	Centrifuge Tube Box	Tarson	15 ml	2	8 (2 packs)
72	Centrifuge Tube Box	Tarson	50 ml	2	8 (2 packs)
73	Test Tube Stand	Tarson	32 mm dia	2	8 (2 packs)
74	Parafilm M	Tarson	4" x 125'	1	1
75	Safesskin Nitrile Gloves	Tarson	Medium	10	1000 (10 packs)
76	Safesskin Nitrile Gloves	Tarson	Large	6	600 (6 packs)
77	Utility Carrier	Tarson	380x240x115	2	2 nos
78	Accupipet Variable volume pipette	Tarson	T2	2	2 nos
79	Accupipet Variable volume pipette	Tarson	T10	2	2 nos
80	Accupipet Variable volume pipette	Tarson	T20	2	2 nos
81	Accupipet Variable volume pipette	Tarson	T100	2	2 nos
82	Accupipet Variable volume pipette	Tarson	T200	2	2 nos
83	Accupipet Variable volume pipette	Tarson	T1000	2	2 nos
84	Accupipet Variable volume pipette	Tarson	T5000	2	2 nos

85	Accupipet Variable volume pipette	Tarson	T10ml	2	2 nos
86	Spilifyter lab soakers	Tarsons	20' x 200"	2	2 Roll
87	KIM Wipes	Tarsons	11.17 x 21.3	4	4 nos
88	Chemware Boiling Stones	Tarsons	1 lb	1	1
89	Cryo Tags	Tarsons	38 x19	8	8 packs (1000 x 8)
90	Amber centrifuge tube conical bottom	Tarson	15 ml	1	50 nos
91	Amber spinwin Micro centrifuge tube	Tarson	1.5 ml	12	250 nos
92	Rack for Micro tube	Tarson	1.5 ml	1	4 nos

6. Procurement of Glasswares

Sl No.	Item Name	Brand	Volume	Quantity
1	Beakers (Griffin, Low Form , with spout, 50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	10
2	Beakers (Griffin, Low Form , with spout, 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	10
3	Beakers (Griffin, Low Form , with spout, 250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	10
4	Beakers (Griffin, Low Form , with spout, 500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10
5	Beakers (Griffin, Low Form , with spout, 1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5
6	Reagent Bottles with screw (Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5
7	Reagent Bottles with screw (Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,100ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5

8	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,250ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5
9	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,500ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10
10	Reagent Bottles with screw(Bottles, Reagent, Graduated With Screw Cap and Pouring Ring,1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	10
11	Bottles, Weighing, With Interchangeable Stopper (5 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	5
12	Bottles, Weighing, With Interchangeable Stopper(15ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15ml	5
13	Bottles, Weighing, With Interchangeable Stopper(20ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	20 ml	5
14	Bottles, Weighing, With Interchangeable Stopper(25ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 ml	5
15	Bottles, Weighing, With Interchangeable Stopper(40ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	40 ml	5
16	Bottles, Dropping with Pipette & Rubber Teat(30 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	30 ml	5
17	Bottles, Dropping with Pipette & Rubber Teat(60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	5
18	Bottles, Only for Wash Bottles Cat No. 1660(250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5
19	Bottles, Only for Wash Bottles Cat No. 1660(500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5
20	Bottles, Only for Wash Bottles Cat No. 1660(1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5

21	Bottles, Wash, LDPE Plastic, Squeeze type, Screw Cap, Fitted With Stoppers and Delivery Tubes(500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	10
22	Burettes with straight bore	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5
23	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	5
24	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	5
25	Condensers, Liebig, Drip Tip, Interchangeable Inner and Outer Joint (400 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	400mm	5
26	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	5
27	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	5
28	Condensers, Allihn, Drip Tip, Interchangeable Inner and Outer Joint(400 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	400 mm	5
29	Condensers, Friedrichs, Drip Tip, Interchangeable Inner and Outer Joint(350 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	350 mm	5
30	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 5 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	5
31	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 10 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	10
32	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 50 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5

33	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5
34	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5
35	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 500ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5
36	Cylinders, GraduatedCylinders,(Graduated, Single Metric Scale, with Pour Out, with Hexagonal Base, Class A, with Certificate 1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	5
37	Desiccators Vacuum Desiccators, (Stopcock with PTFE Spindle, and Porcelain Plate,300 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 ml	5
38	Desiccators Vacuum Desiccators, (Stopcock with PTFE Spindle, and Porcelain Plate,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5
39	Dishes, Culture, Petri (50 x17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 x 17	15
40	Dishes, Culture, Petri (80 x 17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	80 x 17	15
41	Dishes, Culture Petri, Borosil S-Line (50 x 12)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 x 12	15
42	Dishes, Culture Petri, Borosil S-Line (80 x 15)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	80 x 15	15
43	Dishes, Culture Petri, Borosil S-Line (90 x 17)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	90 x 17	15
44	Distilling Apparatus(Ammonia, with Graham Condenser, Interchangeable Joints,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2

45	Essential Oil Determination Apparatus(Clevenger Appratus), as per IS 1797, for Oil Heavier Than Water 1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
46	Essential Oil Determination Apparatus (Clevenger Appratus), for Oil Lighter Than Water (1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
47	Distilling Apparatus, (And Stark, Moisture Test, (as per I. P. Specifications),10 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	2
48	Extractors, Soxhlet(Interchangeable Joint, 60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	2
49	Extractors, Soxhlet(Interchangeable Joint, 100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
50	Extractors, Soxhlet (Interchangeable Joint, 200 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	2
51	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Small	2
52	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Medium	2
53	Condensers, Allihn Only For Extraction Apparatus	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	Large	2
54	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,60 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	2
55	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
56	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,200 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	2
57	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2

58	Extraction Apparatus Soxhlet Complete (With Allihn Condenser,Interchangeable Joint,1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
59	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
60	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
61	Flasks, Boiling, Flat Bottom	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
62	Flasks, Boiling, Flat Bottom,(Short Neck, Interchangeable Joint ,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
63	Flasks, Boiling, Flat Bottom,(Short Neck, Interchangeable Joint ,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
64	Flasks, Boiling, Flat Bottom,(Short Neck, Interchangeable Joint ,1000 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
65	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
66	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
67	Flasks, Pear Shape Round bottom Suitable for Rotary Evaporators	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
68	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2
69	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
70	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2

71	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
72	Flasks, Boiling, Round Bottom, Short Neck, With Interchangeable Joint,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
73	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
74	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
75	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
76	Flasks, Round Bottom, Two Necks, Centre Neck and One Angled Side Neck, With Interchangeable Joints,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
77	Flasks, Erlenmeyer, Conical, Narrow Mouth,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2
78	Flasks, Erlenmeyer, Conical, Narrow Mouth,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
79	Flasks, Erlenmeyer, Conical, Narrow Mouth,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	10
80	Flasks, Erlenmeyer, Conical, Narrow Mouth,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5
81	Flasks, Erlenmeyer, Conical, Narrow Mouth,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
82	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
83	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2

84	Flasks, Conical, With Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
85	Flasks, Filtering, (Bolt Neck, with Tubulation,100 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	2
86	Flasks, Filtering, (Bolt Neck, with Tubulation,250 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
87	Flasks, Filtering, (Bolt Neck, with Tubulation,500 ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
88	All Glass Filter Holder - 47mm, Filtration Assembly,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
89	Jars, Measuring, with Pour Out, with Works Certificate,5000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5000 ml	2
90	Flasks, Volumetric, with Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	2
91	Flasks, Volumetric, with Interchangeable Solid Glass Stopper, Accuracy as per Class A, with Certificate,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	10
92	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,300 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	300 mm	2
93	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,500 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 mm	2
94	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,200 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	2
95	Columns, Chromatography, Plain With Sintered (Disc And Glass Stopcock ,1000 mm)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	2
96	Columns, Chromatography, Plain With Glass Stopcock,200 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 mm	2

97	Columns, Chromatography, Plain With Glass Stopcock,500 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 mm	2
98	Columns, Chromatography, Plain With Glass Stopcock,1000 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	2
99	Funnels, Plain, 60˚ Angle, Short Stem,25 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 mm	5
100	Funnels, Plain, 60˚ Angle, Short Stem,35mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	35 mm	5
101	Funnels, Plain, 60˚ Angle, Short Stem,50 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 mm	5
102	Funnels, Plain, 60˚ Angle, Short Stem,65 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	65 mm	5
103	Funnels, Plain, 60˚ Angle, Short Stem,75 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	75 mm	5
104	Funnels, Plain, 60˚ Angle, Short Stem,100 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 mm	5
105	Funnels, SeparatingFunnels,(Globe Shape, with Stopcock and Interchangeable Stopper,250ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	2
106	Funnels, SeparatingFunnels,(Globe Shape, with Stopcock and Interchangeable Stopper,500ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	2
107	Funnels, SeparatingFunnels,(Globe Shape, with Stopcock and Interchangeable Stopper,1000ml)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
108	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,250 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	250 ml	5
109	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,500 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	5

110	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	2
111	Funnels, Separating, Pear Shape, (with Stopcock and interchangeable Stopper,2000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	2000 ml	2
112	Drum Sampling, Pipette	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 mm	5
113	Pipettes, Bacteriological, Graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1.1 ml	2
114	Pipettes, Bacteriological, Graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	2.2 ml	2
115	Desiccators, Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate,100 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 mm	1
116	Desiccators, Vacuum, Stopcock with PTFE Spindle, and Porcelain Plate,150 mm	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	150 mm	1
117	Extractors, Soxhlet, Interchangeable Joint,60 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	60 ml	5
118	Extractors, Soxhlet, Interchangeable Joint,100 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 ml	5
119	Extractors, Soxhlet, Interchangeable Joint,200 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	200 ml	5
120	Tubes, Centrifuge, Conical Bottom Plain,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	25
121	Tubes, Centrifuge, Conical Bottom, Graduated,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	25
122	8800 - Adapter, Enlarging, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2

123	8801 - Adapter, Enlarging, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2
124	8820 - Adapter, Reduction, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	29 / 32	2
125	8821 - Adapter, Reduction, Interchangeable Joints	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2
126	Adapter, Receiver Bent With Vaccum Connection	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2
127	Adapter, Receiver Bent With Vaccum Connection	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
128	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10/19/	2
129	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2
130	Adapter Cone / Rubber Tubing	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
131	Adapter Socket to Cone	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2
132	Adapter Socket to Cone	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
133	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14 / 23	2
134	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
135	Slopping Plane Still Head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2

136	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
137	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19 / 26	2
138	Adapter Receiver Plain Bend	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	24 / 29	2
139	Tubes, Test, With Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50
140	Tubes, Test, With Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	50
141	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	100
142	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	100
143	Tubes, Test (Culture), Without Rim	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	20 ml	100
144	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,5 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50
145	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,10 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	50
146	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,15 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	15 ml	10
147	Tubes, Culture, Amber, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,5 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	50
148	Tubes, Culture, Amber, Media, Flat Bottom, with PP Screw Cap and PTFE Liner,10 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	50

149	9mm, 2ml, 12 X 32, Clear Glass Screw Top Vial	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 ml	100
150	9mm, PTFE - Silicone Septa in a Blue Screw Cap	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100	100
151	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	4mm ID x 7mm OD	5
152	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	6 mm ID x 9 mm OD	1
153	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	8 mm ID x 12 mm OD	1
154	Silicone tubing for distillation unit & laboratory application	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10 mm ID x 14 mm OD	1
155	Flask Erlenmeyer, Conical, Wide mouth	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	500 ml	20
156	Pipettes, Transfer, Volumetric, Accuracy as per Class A, With Certificate, NABL Certified,25 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	25 ml	5
157	Pipettes, Transfer, Volumetric, Accuracy as per Class A, With Certificate, NABL Certified,50 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	50 ml	5
158	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10/15	5
159	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	14/15	5
160	Stoppers, Interchangeable, Ground joint, Solid, Penny head	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	19/20	5

161	Vials, open-top screw cap, 2 mL large opening with closures, unassembled convenience packs (volume 2 mL, amber glass vial, thread 10-425, black polypropylene cap, PTFE/silicone septa, pkg of × 100 ea)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 nos.	1
162	Insert for 2 mL standard opening vial, 4.6 mm I.D. (volume 0.15 mL, clear glass conical (with bottom spring), O.D. × H 5 mm × 30 mm, pkg of 100 ea)	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	100 nos.	1
163	Single Channel Variable Volume Pipette	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 - 10000 ml	2
164	Bottles, B.O.D. with Interchangeable Stopper and plastic cap,70 x143	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	70x143	60 nos
165	Reagent Bottles, Amber, narrow mouth, interchangeable flat stopper, graduated	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	125 ml	10 nos
166	Volumetric Flask Interchangeable Solid Glass Stopper Accuracy as per Class A , Amber, with Certificate	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 ml	20
167	Bottle Top Dispenser Pinnacle Model- with Re-circulation Valve, Calibration And Accuracy As Per ISO 8655	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	5 - 60 ML	4
168	Tubes, Culture, Media, Flat Bottom, with PP Screw Cap and PTFE Liner ,30 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	30 ml	100

169	Bottles, Solution, Plain, Tooled Neck	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	10000 ml	2
170	Flask, Erlenmeyer, Conical, Narrow mouth 1000 ml	Borosil / Glassco / BlauBrand / Schott duran / Sigma Aldrich / Thermo Fisher	1000 ml	10

7. Procurement of Radiochemistry Chemicals

Sr. No.	CHEMICAL NAME	Wt./Vol. per box	Nos.	Total requirement	Unit
1	Methyl Red	25	3	75	gm
2	Brilliant cresyl blue	25	1	25	gm
3	Cesium Nitrate	25	1	25	gm
4	Di chloro iso cyanoric acid (Trione)	250	1	250	gm
5	Folin	100	5	500	ml
6	Methanol	2.5	3	7.5	L
7	Methanol leishmen's stain	250	6	1500	mL
8	Potassium Sulphate	500	2	1000	gm
9	Potassium Chromate	500	2	1000	gm
10	Potassium hydrogen phthalate	500	2	1000	gm
11	Potassium Persulphate	500	1	500	gm
12	Pyridoxal 5-phosphate hydrate	1	1	1	gm
13	Silver Nitrate	25	1	25	gm
14	Sodium Dihydrogen Phosphate monohydrate	500	1	500	gm

15	Sodium dithionite	500	1	500	gm
16	Sodium hypochlorite solution	5	2	10	L
17	Starch soluble	500	2	1000	gm
18	Sodium molybdate Dihydrate	100	2	200	gm
19	Toulene(HPLC)	2.5	1	2.5	L
20	n-Hexane 95%	500	2	1000	mL
21	Phenolphthalein Certified	100	1	100	gm
22	Tert-Butyl methyl ether	1	1	1	L
23	Zinc Dust	500	1	500	gm
24	Sulphamic Acid	500	1	500	gm
25	Pararosaniline (Base)	25	1	25	gm
26	Lead acetate Trihydrate	500	2	1000	gm
27	Ammonium Persulphate	500	3	1500	gm
28	Sodium borohydride	25	1	25	gm
29	Strontium Nitrate	500	1	500	gm
30	Sodium Phosphate Dibasic Dihydrate	500	1	500	gm
31	Iron (III) Chloride Hexahydrate OR Ferric chloride Hexahydrate	500	1	500	gm
32	Di-Chloro methane	1	1	1	L

33	Acetonitrile	2.5	1	2.5	L
34	Quinine sulphate dihydrate	25	1	25	gm
35	1,4-DI[2-(PHENYLOXAZOLYL)] BENZEN (POPOP)	25	1	25	gm
36	2,5-DIPHENYLOXAZOLE (PPO)	100	2	200	gm
37	TRI- AMMONIUM CITRATE	125	1	125	gm
38	AMMONIUM DIHYDROGEN PHOSPHATE	500	1	500	gm
39	AMMONIUM MOLYBDO PHOSPHATE -(NH4)3 [PMo12O40] (AMP)	25	1	25	gm
40	AMMONIUM OXALATE MONOHYDRATE	500	1	500	gm
41	AMMONIUM SULPHATE	500	1	500	gm
42	CALCIUM CARBONATE (771)	500	1	500	gm
43	CALCIUM NITRATE TETRAHYDRATE	500	1	500	gm
44	DI SODIUM HYDROGEN ORTHOPHOSPHATE	500	1	500	gm
45	Sodium dichloroisocyanurate	500	1	500	gm
46	DIPOTASSIUM HYDROGEN ORTHOPHOSPHATE ANHYDROUS	500	1	500	gm
47	DISODIUM HYDROGEN PHOSPHATE ANHYDROUS	500	1	500	gm
48	FERRIC NITRATE NONAHYDRATE	500	1	500	gm
49	GLASS WOOL	250	1	250	gm

50	HYDROXYL AMMONIUM CHLORIDE	100	1	100	gm
51	LEAD ACETATE ANHYDROUS	500	1	500	gm
52	LEAD CHLORIDE (PbCl2)	250	1	250	gm
53	LITHIUM NITRATE	500	1	500	gm
54	MAGNESIUM CARBONATE , LIGHT IP	500	1	500	gm
55	MAGNESIUM NITRATE HEXAHYDRATE	500	1	500	gm
56	MERCURIC SULPHATE	250	1	250	gm
57	METHYL ORANGE INDICATOR	125	1	125	ml
58	METHYL RED INDICATOR	125	1	125	ml
59	MOLYBDIC ANHYDRIDE OR MOLYBDENUM TRIOXIDE	500	1	500	gm
60	N-(1-NAPTHYL) ETHYLENE DIAMINE DIHYDROCHLORIDE	5	1	5	gm
61	N-2 HYDR0XYETHYLPIP ERAZINE N-2 ETHANESULPHONIC ACID	25	1	25	gm
62	NAPHTHALENE	500	1	500	gm
63	NICKEL (II) SULPHATE HEXAHYDRATE	500	1	500	gm
64	PHENOLPHTHALEIN SOULUTION	125	1	125	ml
65	POTASSIUM ANTIMONYL OR POTASSIUM ANTIMONY (III)OXIDE	500	1	500	gm

	TARTARATE TRIHYDRATE				
66	POTASSIUM HYDROGEN PHTHALATE	500	1	500	gm
67	POTASSIUM PERMANGANATE	500	1	500	gm
68	POTASSIUM SULPHATE	500	1	500	gm
69	SODIUM HYDROGEN CARBONATE	500	1	500	gm
70	SODIUM CHROMATE	100	2	200	gm
71	SODIUM DICHLORO ISOCYANURATE	500	1	500	gm
72	SODIUM DODECYL SULPHATE	500	1	500	gm
73	SODIUM IODIDE	250	1	250	gm
74	SODIUM META BISULPHITE	500	1	500	gm
75	SODIUM OXALATE	500	1	500	gm
76	SODIUM PHOSPHATE[NaH2PO 4] MONOBASIC ANHYDROUS	500	1	500	gm
77	SODIUM SALICYLATE	500	1	500	gm
78	SODIUM METASILICATE NONAHYDRATE	500	1	500	gm
79	SODIUM TUNGSTATE DIHYDRATE	100	1	100	gm
80	STANNIC CHLORIDE PENTAHYDRATE	500	1	500	gm
81	SULFAMIC ACID	500	1	500	gm

82	TRI BUTYL PHOSPHATE (TBP)	500	1	500	ml
83	YTTRIUM (III) NITRATE HEXAHYDRATE	25	1	25	gm
84	ZIRCONIUM OXYCHLORIDE	100	1	100	gm
85	ACETIC ACID GLACIAL	500	1	500	ml
86	ACETONE	500	2	1000	ml
87	CARBON TETRA CHLORIDE	500	1	500	ml
88	METHANOL DRIED	500	1	500	ml
89	ISOPROPY ALCOHOL	500	1	500	ml
90	ORTHOPHOSPHORIC ACID 85%	500	2	1000	ml
91	1.4-DIOXANE	500	1	500	ml
92	INSTAGEL SCINTILLATOR COCKTAIL	1000	2	2000	ml