SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### **Notice Inviting Tender (NIT)**

The Central University of South Bihar invites sealed tenders for the Supply of "Laboratory Chemicals & Consumables" at CUSB Panchanpur, Gaya from original manufactures/ authorized dealers/ distributors. The last date and time of submission of tender document is 20/02/2020 by 4:00 PM. The detailed tender document is available on the University website www.cusb.ac.in. The cost of tender form is Rs. 500/- and can be purchased by payment in the form of Demand Draft, from Central University of South Bihar. The tender forms can also be downloaded from University website and be accompanied by DD of Rs. 500/- in favour of 'Central University of South Bihar', payable at Gaya. Duly filled in tender is to be sent by Speed Post/ Registered Post/ By Hand (to be dropped in Tender Box) on following Address: -

To The Registrar (Tender Document)

#### **CENTRAL UNIVERSITY OF SOUTH BIHAR**

SH-7, Gaya- Panchanpur Road, Village- Karhara,
Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236
Email – registrar@cub.ac.in, Website – cusb.ac.in

#### Index for Tender Form

S. No.	Items	:	Details
1.	Tender Notice No.	:	CUSB/PSD/Chemicals/T/25/2019-20, Dated: 30/01/2020
2.	Name of work	:	Tender Bid Document for the Supply of "Laboratory Chemicals & Consumables" for Central University of South Bihar, SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236.
3.	Tender Fee	:	Rs. 500/- in shape of Demand Draft
4.	Earnest Money Deposit	:	Earnest money as mentioned in NIT in shape of Demand Draft drawn in favour of Central University of South Bihar, payable at Gaya



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			from any scheduled Bank.
5.	Start of submission of Bids	:	30/01/2019
6.	Last date and time for Receipt of Bids	:	20/02/2020 by 4:00 PM
7.	Date and Time of opening of Technical Bids	:	21/02/2020 by 2:30 PM
8.	Place of opening of Bids	:	CUSB Gaya.

Vendors are requested to read the complete tender documents and visit the site to understand its locality, terrain, surrounding conditions etc. before submission of Bids.

**7.** Any other enclosure

### **CENTRAL UNIVERSITY OF SOUTH BIHAR**

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Name of the work: Tender Bid Document for the supply of "Laboratory Chemicals & Consumables" at Central University of South Bihar, Gaya (Bihar).

Sold to Sri/Smt./M/s.	
On payment of Rs. 500/- (Rupees Five I	Hundred only)
Vide D.D. No Bank & Branch	dt
	Registrar
I undertake to abide by the terms call notice and conditions of contract.	and conditions as stipulated in the detail tender
	Signature of the contractor
For Office Use only  1. Total Nos. Corrections  2. Total Nos. of Overwriting  3. Total Nos. of Pages  4. Earnest Money Deposit in shape of  5. Copy of S.T.C.C  6. Copy of I.T.C.C./PAN	: : : : : : Furnished/Not Furnished : Furnished/ Not Furnished

Registrar Central University of South Bihar

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Supply of "Laboratory Chemicals & Consumables" at Central University of South Bihar, Gaya.

#### **Technical Bid**

Note: This is to be kept in Envelope "B" sealed and it should be written on envelop that Tender for the supply of "Laboratory Chemicals & Consumables" at Central University of South Bihar" Gaya.

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### NOTICE INVITING BIDS

The Central University of South Bihar (CUSB), invites sealed tender in two bid system for the supply of "Laboratory Chemicals & Consumables" at Central University of South Bihar, Gaya (Bihar) from the original manufactures/authorized dealers/distributors. Details are as follows:

SI. No	Description of Goods	Earnest Money to be Deposited	Last date & time of submission of Tender document	Time & date of opening of Tender	Time allowed for completi on of delivery
1.	Supply of Laboratory Chemicals & Consumables at Central University of South Bihar, Gaya.	As detailed below	20/02/2020 by 4:00 PM	21/02/2020 at 2:30 PM	30 days after issue of Purchase Order

2. The tender must be accompanied by a Demand Draft for the amount mentioned as above in Indian Rupees only, on a schedule bank drawn in favour of Central University of South Bihar, payable at Gaya as Earnest Money for the above tender.

EMD to be deposited for					
S. No.	Department	Amount (Rs.)			
(i)	Biotechnology	40,000/-			
(ii)	Life Science	40,000/-			
(iii)	Environmental Science	65,000/-			
(iv)	Physics	15,000/-			
(v)	Chemistry	5,000/-			



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#### 3. Eligibility Criteria

#### 3.a. Financial

The Firm should have average annual financial turnover of at least 25 Lakh during the preceding last 3 consecutive financial years starting from F.Y. 2018-19.

#### 3.b. Physical

Three similar supplies in Central Government/ State Government/ PSU/ Universities/ Reputed Higher Educational Institutions costing not less than 40% of the estimated cost or two similar supplies costing not less than 60% of the estimated cost or one similar supplies costing not less than 80% of the estimated cost in the last 3 years ending on the last day of the month previous to the one in which the tenders are invited.

- 4. Sealed tender documents duly signed on all pages are required to be delivered at Central University of South Bihar, by Registered Post/ Speed Post/By Hand (to be submitted in Tender Box) to reach on or before 20/02/2020 by 4:00 PM. The Technical Bids will be opened at 21/02/2020 at 2:30 PM at CUSB, Gaya in presence of the Tenderers or their authorized representatives who wish to attend. The date of opening of the Financial Bids of those bidders declared as qualified in Technical Bids will be announced on University website. If the office happens to be closed on the date of receipt of the bids or opening of bids as specified, the bids will be received and opened on the next day of opening of the office at the same time and venue.
- 5. The tenderer shall quote for the materials to be supplied as per detailed specifications as given in the ender document, at Gaya.
- Presence of Tenderer in pre-bid meeting is encouraged to clarify any doubt related with the tender. Tenderers should email their queries to registrar@cub.ac.in before the date of pre-bid meeting. University shall upload the clarification, if found necessary on the University's website and shall explain during pre-bid meeting.
- 7. The tender shall be submitted in three separately sealed envelopes marked as "A", "B", & "C". The language used shall be English. In case any information is given in foreign language, then translated (in English) copies of those pages must be enclosed, failing which the tender will be disqualified.



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#### 8. ENVELOPE 'A' (Earnest Money & Tender Cost)

The tender shall be accompanied by the cost of the tender document for Rs. 5,00 (Indian Rupees Five Hundred only) in the form of Demand Draft failing which the tender will not be accepted. Tender must also be accompanied by earnest money as mentioned above in the form of Demand Draft in favour of Central University of South Bihar, payable at Gaya executed by any Scheduled Bank. The Demand Draft towards Earnest Money & cost of tender document will be placed in sealed **Envelope 'A'**.

- **8.a.** The tender cost and EMD are not required to be submitted by bidders who are exempted in terms of MSME, Govt. of India guidelines. However, they are required to furnish requisite certificate in this regard issued by the Competent Authority.
- 9. ENVELOPE 'B' (Technical Bid Document)
- **9.i.** Those Tenderers, who are not the manufacturer but are authorized by the original manufacturer to supply the goods, should establish their credentials by giving valid documentary evidences of similar supplies to have been executed in India.
- 9.ii. Checklist for Envelope 'B'
- **9.ii.a.** Copy of registration of GST.
- **9.ii.b.** Copy of Trade License, Factory License/Excise Registration.
- **9.ii.c.** Copy of Income Tax Permanent Account Number.
- **9.ii.d.** Copy of Memorandum and Article of Association, Certificate of Incorporation, Partnership Deed, Registration Certificate issued by the Registrar of Firms etc.
- **9.ii.e.** Copy of Authorization for Participation in subject bid (not required in case of Proprietorship firm).
- **9.ii.f.** Copy of Dealership/ Distributorship Authorisation Certificate.
- **9.ii.g.** Drug Manufacturing License if needed for manufacturing (for chemicals & Glasswares Gategories).



- **9.ii.h** Copy of Purchase Order/ Work Order of meeting minimum eligibility criteria (Financial & Physical).
- **9.ii.i.** All pages of tender document including various sections and Annexures, except priced bid.
- **9.ii.j.** Copy of Small Scale Unit/ MSME/ NSIC Registration under relevant items (if registered).
- **9.ii.k.** The bidders must agree for immediate free replacement in case any discrepancy is found with regard to quality/ quantity of the material to be supplied by them.
- **9.ii.l** Any product manual, credentials etc.
- 10. Envelope 'C' (Financial Bid Document)
- 10.1. The **Envelope 'C'** shall contain the tender documents and information related to the schedule of quantities quoting the rates per Unit/Price etc. of the item pertaining to the Financial Bid on the Financial Bid document, issued by CUSB, along with the tender document.
- **10.2.** All columns shall be duly filled in with specific information on the cost involved.
- **10.3.** The rates for the items shall be quoted in Indian Rupees.
- \*NOTE The Tenderer should clearly mention in all the three envelopes (i.e. A, B and C) clear description of the items for which the offer is being quoted. If any discrepancy is observed the offer would be treated as non-responsive and would be rejected outrightly.
- **11.** Envelope 'A' (Earnest Money & Tender Cost),
  - Envelope 'B' (Technical Bid Document), and
  - Envelope 'C' (Financial Bid Document), shall be in separate sealed envelopes, each marked as "Envelope 'A', Envelope 'B' and 'Envelope 'C', respectively.



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- The envelope should be addressed to, The Registrar, Central University of South, SH-7, Gaya Panchanpur Road, Village Karhara, Post- Fatehpur, P.S. Tekari, District Gaya (Bihar) PIN 824236.
- The envelope marked 'Envelope 'B' of only those Tenderers shall be opened, whose earnest money & tender cost are placed in the 'Envelope 'A' and found to be in order.
- 12. The Tender Evaluation Committee will evaluate the Technical Bids and is fully authorized to reject any incomplete tender or on its satisfaction that the requirements are not met for the complete need of the CUSB with regard to the Committee. The decision of the Tender Evaluation Committee shall be final. Only those Technical Bids cleared by the Tender Evaluation Committee shall be eligible for consideration of Price Bid. Those successful Tenderers for whom the Envelope 'C' (Price Bid) is to be opened shall be duly intimated.

#### 13. Clarification on Tender Documents

- **13.1.** During evaluation of tenders, the University authorities/ committee may at its discretion ask the Tenderer for any clarification(s) if so deemed fit. The request for clarification and the response shall be in writing. However, the Tenderer is not permitted to alter the price(s) furnished in the Price Bid **(Envelope 'C')**.
- 13.2. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (i.e. obtained by multiplying the unit price and quality), the unit price shall prevail and the total price shall be corrected. If the supplier does not accept the correction of errors, its tender will be rejected. If there is a discrepancy between words and figures, the amount in words will prevail.
- 14. The amount of Earnest Money Deposit (EMD), in case of successful Tenderer, shall be refunded on successful completion of delivery/installation. However, EMD of unsuccessful Tenderers will be refunded after the award of the contract to the successful Tenderer.



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- 15. The CUSB, does not bind itself to accept the lowest or any other tender, and reserves the authority to reject any or all the tenders received without assigning any reason. Tenders not in compliance with any of the prescribed conditions or incomplete in any respect or in presence of any correction not duly dated, initialled by the Tenderer will be liable to be rejected. However, the final decision for accepting or rejecting any or all tenders will be in the sole discretion of Vice Chancellor, CUSB.
- 16. Tender shall remain open for acceptance for a period of 90 days from the date of opening of the tenders. If any Tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to CUSB, then CUSB, shall without any prejudice to any other right or remedy, be at liberty to forfeit full earnest money, absolutely. The decision of Vice Chancellor, CUSB in this behalf shall be final and binding on the Tenderer.
- **17.** The notice Inviting tender shall form a part of the contract document.
- **18.** No additional conditions from the Tenderer shall be acceptable. The tenders having any additional conditions will be summarily rejected without assigning any reason.
- **19.** The Tenderer should meet the Financial & Physical work completion criteria to qualify in the subject tender.

Date:			
Place:			

Signature of the Tenderer



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#### **TECHNICAL BID PROFORMA**

1.	Name of the Organization	
2.	. Head Office / Registered Office	
	Telephone No/mobile No.	
	Fax No.	
	Email	
	Web site (if any)	
	Date of Establishment	
	Branch Office in Gaya , if any	
	(Provide Complete Address)	
	Telephone No.	
	Fax No./Email	
3.	Name of Chief Executive/ Proprietor / Partners with	
	Designation	
	Telephone No./Mobile No.	
	Fax No./ Email	
4.	Name of Contact Person	
	Telephone No./Mobile No	
	Fax No./Email	



5.	Type of Organization			Certified Documents to be enclosed						
a.	Proprietar	у					Trade License			
b.	Partnershi	ip					Partners	nip Deed, Trade License		
C.	. Private Limited Company					Memorai	ndum of Article			
d.	Public Lim	ited C	ompan	ıy			Certificat	e of Registration		
e.	Public Sec	ctor					Trade Lie	cense		
6.	6. Nature of Business (tick the relev			ant)						
Man	ufacturing				Service			Dealership		
Stoc	ckiest				Indian Aç	gent	Indian Branch Offic			
Others Pl. Specify										
7.	Class / Ty	/pe of	Produ	ict /	Materials	Man	ufactured	/ Sold / Serviced/ Fabri	cated	
	entific ipment		E	Elec	tronics			Lab Consumables & Chemicals		
Elec	etrical is				puter oherals			Computers		
Laboratory Equipments Office Automation Product				Electrical Works						
Sport Water Coolers Materials				Air-conditioners						
AV Equ	ipments		E	Boai	rds			Other, please specify		



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# Audited Annual Turnover during last 3 years (₹ In Lakhs) (enclose Chartered Accountant's certification & Income Tax Return Copy)

Year	Rupees (in Lakhs)	Annexure (Number)
2018-19		
2017-18		
2016-17		

8.	Commercial Information (enclose	Attested Copy wi	nerever Appl	icable)
S. No.	Information	Detail	ls	Annexure (Number)
a.	GST Registration Number			
b.	Excise Registration Number  Trade / Factory License Number			
C.	PAN No.			
d.	Details of Registration Certificate with DGS&D/NCCF			
e.	SSI/NSIC/MSME Certificate			
f.	Current dealership agreement with Principal Letter No. / Date / Valid upto			
g.	Relevant IISI/ SO Certificate, if any			
h.	Bank Details : Account No.			
i.	Name of Bank & Branch			

			<b>7</b> - · (	/	_		
j.	IFSC Code						
k.	Details of Tender Fee	Amount:	DD N	DD No. & Date		Name of the issuing Bank & Branch	
I.	Details of EMD	Amount:	DD N	o. & Dat	iss	Name of the issuing Bank & Branch	
m.	Details of Previous Supply in Govt. Organisations/ Govt. Educational Institutions (Enclose Supply order &	Name of the organizat ion	Item	Item Supplied / Qty.		Total Value (Rs in lakhs)	
	Performance report. If required enclose separate sheets)						
	Enclosures -						
9.	MSME Entrepreneur	Com	ment (i	in case	waiving	of EMD)	
9.1.	Is the bidder MSME Entrepreneur			Y/N			
9.2.	If yes, the category (GEN/OBC/SC/ST/Women)	GEN	OBC	SC	ST	Women	
knowl	I/ We hereby give an undertaking that the information provided are true to the best of my knowledge and belief. If anything found to be false at any stage my tender will be liable to be rejected and EMD amount will be forfeited.						
Signa	ture of authorized representative:						
Date:							
14.		Note					
14.1	Separate information sheet may be provided for item (s) in case space provided is not adequate.						



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#### **GENERAL CONDITIONS OF PURCHASE**

#### 1. Definitions

- **1.1.** In this Purchase, the following terms shall be interpreted as indicated.
- (a) "The Order" means the agreement entered into between the Purchaser and the Supplier including all the attachments and appendices and all documents incorporated as per notification of award.
- (b) "The Purchase 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 items, 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 training and other obligations of the Supplier covered under the Contract;
- **(e)** "GCP" means the General Conditions of Purchase contained in this section.
- (f) "The Purchaser" means the organization purchasing the Goods i.e CENTRAL UNIVERSITY OF SOUTH BIHAR, GAYA.
- **(g)** "The Purchaser's country" is India.
- **(h)** "The Supplier" means the individual or firm supplying the Goods and Services.
- (i) "Day" means calendar day.

#### 2. Application

**2.1.** These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the tender.

#### 3. Standards

3.1. The Goods supplied under this Purchase 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.

#### 4. Use of Purchase Documents and Information

**4.1.** The Supplier shall not, without the Purchaser's prior written consent,



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disclose the Purchase, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in 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.

- **4.2.** The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information except for purposes of performing the Contract.
- **4.3.** Any document, other than the Contract itself, shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

#### 5. Patent Rights

**5.1.** 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.

#### 6. Submission of the bids

**6.1.** All bids complete in all respect must reach the purchaser within the last date and time of receipt of bid. No extension shall be allowed for any reason what so ever. Late tenders/delayed bids and tenders received without earnest money etc. shall be rejected.

#### 7. Inspections and Tests

- **7.1.** 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.
- 7.2. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the Purchaser.
- **7.3.** 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.



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- **7.4.** The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- **7.5.** Nothing in GCP Clause 7 shall in any way release the Supplier from any warranty or other obligations under this Contract.

#### 8. Consequences of rejection

- **8.1.** If in the event the stores are rejected by the purchaser at the destination and the supplier fails to make satisfactory supplies within the stipulated period of delivery, the purchaser will be at liberty to:
- (a). Allow the supplier to resubmit the stores in replacement of those rejected, within a specified time without any extra cost to the purchaser or
- **(b).** Reject the material, which shall be final and binding on the contractor.
- **(c).** Procure the rejected materials of comparable quality from the open market/Govt. stores and the supplier shall be liable to pay the difference in price over the RC prices or get the amount adjusted from the outstanding bills of the supplier, if any or EMD.

#### 9. Packing

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

#### 10. Delivery and Documents

**10.1.** The Supplier shall make delivery of the Goods within specified period from the placement of purchase order in pursuance of the notification of award. The purchase order would be placed after assessing the requirements on quarterly basis. However, the supplier shall also arrange to execute all



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orders on priority basis which would be placed to meet any emergent requirements

- **10.2.** In case the purchaser decides to conclude parallel rate contracts, then the requirements would be split on different firms on equitable basis as per the discretion of the purchaser.
- **10.3.** The delivery of Stores shall be affected at the premises of the University free of all delivery charges and within the stipulated time and as may be elucidated in the confirmed order, accompanied by a delivery challan. No extension of time for delivery of Stores shall normally be accorded.

**Time and date of delivery – the essence of the contract:** The time for and the date of delivery of the stores stipulated shall be deemed to be of the essence of the contract and delivery must be completed not later than the date(s) specified.

#### 11. Insurance

11.1. 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. The insurance shall be obtained by the suppliers 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

#### 12. Transportation

12.1. Where the Supplier is required under the Contract to transport the Goods within India defined as Project site, transport to such place of destination in India 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.

#### 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 that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in India.
- **13.2.** This warranty shall remain valid for 12 months or as per Warranty Card (whichever is later) after the Goods or any portion thereof as the case



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may be, have been delivered to and accepted at the final destination indicated in the Contract, unless specified otherwise

- 13.3. Manufacturing date, expiry date & Batch Number of chemicals should be clearly mentioned if order placed. Expiry of chemicals should not be less than one year from the date of delivery.
- **13.4.** The purchase shall promptly notify the Supplier in writing of any claims arising under this warranty.
- **13.5.** Upon receipt of such notice, the Supplier shall with all reasonable speed, repair or replace the defective Goods or parts thereof, without any extra cost to the Purchaser.
- **13.6.** If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, 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 payment shall be made after inspection of the materials and satisfactory performance.
- 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 pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the contract.

#### 15. Prices

**15.1.** Prices charged by the Supplier for Goods delivered and Services performed under this Purchase shall not vary from the prices quoted by the Supplier in his bid.

### 16. Change Orders

- **16.1.** The Purchaser may at any time, by written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:
- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) The method of shipping or packing;
- (c) The place of delivery; and/or



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

#### 17. Contract Amendments

**17.1.** Subject to GCP Clause 16, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

#### 18. Assignment

**18.1.** 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

#### 19. Subcontracts

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

#### 20. Delays in the Supplier's Performance

- **20.1.** 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 as per GCP clause 10.
- 20.2. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) 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, its 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
- **20.3.** Except as provided under GCP Clause 23, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to



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the imposition of penalty pursuant to GCP Clause 21, unless an extension of time is agreed upon pursuant to GCC Clause 20.2 without the application of liquidated damages.

#### 21. Penalty

21.1. Subject to GCP Clause 23, 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 penalty, a sum equivalent to 0.5% per week and the maximum deduction is 10% of the contract price of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 22.

#### 22. Termination for Default

- **22.1.** 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 purchase order, or within any extension thereof granted by the Purchaser pursuant to GCP Clause 20; or
- **(b)** If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

'For the purpose of this Clause:

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

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

**22.2.** In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 22.1, the Purchaser may procure, upon such



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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.

#### 23. Force Majeure

- **23.1.** Notwithstanding the provisions of GCP Clauses 20 & 21, the Supplier shall not be liable for imposition of liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 23.2. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 23.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

#### 24. Termination for Insolvency

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

#### 25. Termination for Convenience

**25.1.** The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the



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Contract is terminated, and the date upon which such termination becomes effective.

**25.2.** The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices.

#### 26. Resolution of Disputes

- **26.1.** 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.
- 26.2. If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms as specified below. These mechanisms may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration.
- **26.3.** In case of Dispute or difference arising between the Purchaser and a supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996.

#### 27. Governing Language

**27.1.** The contract shall be written in English language. Subject to GCC Clause 28, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

#### 28. Applicable Law

- **28.1.** The contract shall be governed by the Law of Contract for the time being in force.
- **28.2** Irrespective of the place of delivery, the place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.



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- **28.3.** Jurisdiction of Courts: The courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of this contract.
- **28.4.** One month notice will be given by either party for termination of Contract during the tenure of Contract for breach of Clause or otherwise.

#### 29. Taxes and Duties

- **29.1.** 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.
- **30.** All legal disputes arising out of this contract /bid shall be subject to competent court and forum under judicature of Gaya only.
- **31.** Submission of Performance Bank Guarantee as per GFR Rules 2017 (if applicable).



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#### Annexure 'A'

## List of items required for "Biotechnology Lab"

SI. No.	Name of Chemicals	Make / Manufacturer	Cat. No	Qty
1	0.22µm filter ready to use	Axiva	SFNY25R	100pcsx2
2	1 kb plus ladder	G- Bioscience	786-854	4 Pk.
3	1,4-Diaminobutane 99%	Sigma-Aldrich	D13208-100G	100gx1
4	100 bp plus Ladder	G- Bioscience	786-856	3 Pk
5	10X RBC Lysis Buffer	Himedia	R075-500ML	500ml x 1
6	11-cis Vaccenyl Acetate	Cayman Chemical	10010101	10mg
7	1-Hexanol anhydrous, ≥99%	Sigma-Aldrich	471402-100mL	1x100ml
8	2- Propanol	Himedia	AS068-2.5L	2.5 L x 2
9	24 well Plates	Himedia	TPG-24	200nox1
10	Acetic Acid	Himedia	AS119-2.5L	2.5L x 2
11	Acetone	Himedia	MB179-2.5L	2.5L X 2
12	Acrylamide	Himedia	MB068-500G	500g x 1
13	Aloe-emodin	Sigma	93938-10MG	10mg x 1
14	Anti Goat Secondary Antibody HRP	Santacruz Biotech	sc-2354	1 vial
15	Antimycotic Soliution	Himedia	A002-5X100ML	100mlx5
16	Aprotinin from Bovine Lung	Himedia	MB119-50MG	100mgx1
17	Astemizole	Sigma	A2861-10MG	10mgx1
18	Beaker 1000ml	Borosil	1000D29	30 pcs
19	Beaker 500ml	Borosil	1000D24	30 pcs
20	Brain Heart Infusion Broth	Himedia	M210G-500G	500g x 1
21	Bromophyneyl Hydrazine Hydrochloride	Sigma Aldrich	14321-10G	10gx1
22	C DNA Synthesis Kit	Himedia	MBT076-100R	1 Kit
23	Carbon tetra Chloride	Sigma Aldrich	289116-100ML	100g X 1
24	Centrifuge Tube. 15ml	Tarsons	500031	3 Pk.
25	Centrifuge Tube. 50ml	Tarsons	500041	3 Pk.
26	CHAPS	Himedia	RM4126-5G	5gx1
27	Chloroform	Himedia	AS040-2,5L	2.5L X 1
28	Cinnamic Acid	Himedia	GRM1445- 500G	500gx1
29	Conical Flask 1000ml	Borosil	4980029	15 pcs
30	Conical Flask 500ml	Borosil	4980024	15 pcs
31	Corn Polenta 10 Kgs	Urban Platter	ASIN:B01505B OZY	5kg x1
32	Cryovial	Tarsons	523182	1 Pk.
33	Curcumin	Himedia	M1449-10G	10g x 2
34	D Rihydroxy Phynylalane	Sigma	5796-17-8	1pc.
35	DAB (3,3 – diaminobenzidine tetrachloride)	Himedia	RM1440-5G	5gx1



	Fost-Tateriput, F.S-Tekati, Distric	T Caya (Biriar)	1111 02-7 200	
36	Dead Cell Apoptosis Kit with Annexin V FITC	Invitrogen	V13242	1 pack
37	Diluent for DNA Extraction-Ethanol	Himedia	MB228-500ML	500ml X 10
38	DMSO	Himedia	MB058-500ML	500ml x 1
39	DNA Gel Extraction Kit	Quizen	28706	1 Kit
40	Ethanolamine hydrochloride	Himedia	TC077-25G	25 G X 1
41	Ethyl Acetate HPLC grade	Himedia	AS130-2.5L	2.5lx2
42	Felodipins	Mecrk	F9677-25MG	25gx1
43	Fetal Bovine Serum	Himedia	RM9955- 5X500ML	1 Pk.
44	Formamide	Himedia	MB012-500ML	500ml x 1
45	Glutathione Agarose Beads	Sigma	G4510	5mlx1
46	Glycogen	Himedia	RM379-5G	5gx1
47	HÉPES Free Acid	Himedia	TC050-100G	100gx1
48	Hi- Dispo Bags small	Himedia	PW040- 1000NO	3 Pk.
49	Hoechest 33258	Himedia	TC225-100Mg	100mg x 1
50	Jewellers forceps,Dumont # 5 Forcep	Sigma-Aldrich	F6521-1EA	2 pcs.
51	L- Glutamine	Himedia	TC243-100G	100g x1
52	L-3,4Rihydroxy phenylalane methyl ester hydrochloride	Sigma	1421-65-4	50mgx1
53	LB Broth	Himedia	M575-500G	500G X 2
54	Leupeptin	Sigma	L2884	10mgx1
55	LightShift™ Chemiluminescent EMSA Kit (100 Reac.)	Thermo fisher	20148	1 Pk.
56	Measuring Cylinder 1000ml	Tarsons	343070	2 Pk.
57	MEM	Himedia	AL020- 6X500ML	1 pk.
58	MEM- Non essential Amino Acid	Himedia	ACL005- 5X100ML	1 pk.
59	Methanol	Himedia	AS061-2.5L	2.5L X4
60	Methyl 4- Hydroxy Benzoate 99%	Merck	H5501-500G	500g
61	Mineral oil	SIGMA	M8410-500ML	500MLX3
62	M-MuLV Reverse Transcriptase, RNase H+	Fermentas	EP0352	5000 Unitsx1
63	Sodium Vanidate	Sigma	S-6508	10gx1
64	Nitridipine	Sigma	N144	25 mgx1
65	Nitrocellulose membrane	Himedia	SF110A-1Roll	1 roll
66	Not 1	ILS	R0189S	500ux1 vial
67	NP-40	Himedia	NB143-100ml	100mlx1
68	Oligonucleotide 300bp	DESALTED	-	1 Pk.
69	Pac1	ILS	R0547S	250 units x1 vial
70	PCR Mix.	G-Bioscience	786-442	25µmole
71	PCR tube	Tarsons	510051	5 Pk.
72	Petridish	Tarsons	460092	2 Pk.
73	Pfu Taq Pol	G-Bioscience	786-816	2 Pk.
74	pH Standard 4.0	Himedia	LA405-10NO	1 pk.
75	pH Standard 7.0	Himedia	LA407-10NO	1 pk.
		1	I.	



76	phenylacetaldehyde≥905	Sigma-Aldrich	107395-100ML	100mlx1
77	Pierce Protease inhibitor Cocktail Tablet	ThermoFisher	PI88665	1 Pk.
78	Pimozide	Merck	P1793-500MG	500mgx1
79	Pipette set volume 0.2-2 ,0.2-10, 200 ,1000μl	First sourse	-	1 Pk.
80	Prestige Instant Yeast	Saf Yeast Company Pvt. Ltd.	-	5 Kgs
81	Primer (Name and sequence attached)	Eurofin	0	Kit A to E
82	Primer (Name and sequence attached)	Xcelris		898 base
83	Propionaldehyde ≥97%, FG	Sigma-Aldrich	W292303-1KG- K	1 x 1 KG
84	Protein Ladder 11-190 KDa Blue Prestained	ILS	P7706S	2 Pk.
85	Protein Marker (Low Range)	SRL	58511	2.5mlx1
86	Protein Marker (Medium Range)	SRL	12986	1mlx1
87	Purple Nitrile gloves(MI	Tarsons	370020	5 Pk.
88	QIAMP DNA Mini Kit, 50 reaction	Quigen	51304	1 Kit
89	Quercetin dehydrate	Himedia	RM6191-25G	25g x 1
90	ReadyStrip™ IPG Strips, 17 cm, pH 3–10, 12/pack	Biorad	1632007	1 Pk.
91	RiboLock RNase Inhibitor (40 U/μL)	Fermentas	EO0381	2500 Unit
92	RIPA Buffer	Himedia	TCL131- 1X100ML	2 Pk.
93	RNA Isolation Kit	Himedia	HTBM012- 10PR	1kit
94	RNA Later Stabilization Sol.	Invitrogen	AM7020	100mlx1
95	RNaseZap™ RNase Decontamination Solution	Thermo fisher	AM9780	250mlx1 Pk.
96	RQ1 RNase-Free DNase	Thermo fisher	M6101	1 Pk.
97	Site Directed Mutagenesis Kit single site	Thermo Fisher	A13282	1 kit
98	Spatula	Genexy	HS15907	1 pack
99	SYB18R® Green JumpStart™ Taq ReadyMix™ for Quantitative PCR, MgCl2 in buffer	Sigma	S4438-500RXN	2Pk.
100	Syringe filter 0.2µm 25mm	Himedia	SF127- 1x100NO	4 Pk.
101	Syringe filter 0.2µm 13mm	Himedia	SF9-1x75NO	4 Pk.
102	T-25 Flask	Tarsons	950010	1 Pk.
103	T-75 Flask	Tarsons	950020	1Pk.
104	TBST(Tris-buffered Saline and polysorbate)	Himedia	ML088-1L	1Lx1
105	Terrific Broth	Himedia	EC1250CCL- 25NO	25no.x1
106	Thiourea, Hi-LR™	Himedia	GRM1431- 500G	1pc



Fusi-Talenpul, F.S-Tekan, Distric	t Gaya (Billal)	1111 02 1200	
Tissue culture plates 12 well adherent cells	Himedia	TPP12- 1x200NO	1 Pk.
Tissue culture plates 6 well adherent cells	Himedia	TPP6- 1x200NO	1 Pk.
Tissue culture plates 96 well adherent cells	Himedia	TPP96- 1x200NO	1 Pk.
Trypsin EDTA	Himedia	TCL144-100ML	100mlx1
Trypsin EDTA Solution	Himedia	TCL007- 6X500ML	1 pk.
Tyrosina from Mushroom	Sigma	T3824-50Ku	1pc.
UltraPure™ Agarose	Thermo Fisher	16500-100	100 g
Vannas Spring Scissors-2.5mm Cutting Edge, Straight tip shape	Fine Science Tools	15000.08	1рс
Tryptone Soya Broth	Himeida	LQ508- 5x200ML	5x200ml
Ferrous Ammonium Sulphate	Himedia	GRM1026- 500G	500gx1
Ammonium Dihydrogen Phosphate	Himedia	PCT001-500G	500gx1
Phenol Red Indicator	Himedia	1010-125ML	125mlx2
Biochemical Test Kit	Himedia	KB015-5KT	1 kit
Nalgene Tubing T-Type connector	Thermo fisher	6151-0500	1 case (48pcs)
Sola HRP Hypercarb retain	Thermo Fisher	11879163	1pk.
Human IL2 Assey Kit	Sigma	10799068001	1 kit
Glutaraldehyde	Himedia	TC558U- 100ML	100mlx1
Genomic DNA Purification Kit 50 rxn.	Thermo	K1830-01	1 kit
	_		250mg
			500gx1
	Himedia	PCT0301-25G	25gx1
L-Isoleusine	Himedia		100gx1
L-Leusin	Himedia	PCT0313- 25MG	25mgx1
		PCT0315-100G	100gx1
L-Serine	Himedia	PCT0318-100G	100gx1
L-Theronine	Himedia	PCT0319-25G	25gx1
L-Veline		PCT0322-100G	100gx1
Anacardic Acid		A7236-5MG	5mgx1
Trizol Reagent		15596026	100mlx1
		TC243-25G	25gx1
Gentamycin	Himedia	A005-100ML	100mlx1
Amphotericin B			20mlx1
	Invitrogen	MA1-46089	1 Vial
TRF 1 Antibody	Invitrogen	MA5-26592	1 Vial
0.2ml thin wall clearreal time PCR tubes and caps	Axygen	PCR-0208- FCP-C	01 Pkt.
Propionic Acid	Himedia	GRM3658- 500ML	500Mlx1
	Tissue culture plates 12 well adherent cells  Tissue culture plates 6 well adherent cells  Tissue culture plates 96 well adherent cells  Trypsin EDTA  Trypsin EDTA Solution  Tyrosina from Mushroom  UltraPure™ Agarose  Vannas Spring Scissors-2.5mm Cutting Edge, Straight tip shape  Tryptone Soya Broth  Ferrous Ammonium Sulphate  Ammonium Dihydrogen Phosphate  Phenol Red Indicator  Biochemical Test Kit  Nalgene Tubing T-Type connector  Sola HRP Hypercarb retain  Human IL2 Assey Kit  Glutaraldehyde  Genomic DNA Purification Kit 50 rxn.  2'7'- Dichloroflourescin diacetate  N-Phenyl-1 napthylanine  L-Alaninne  L-Isoleusine  L-Leusin  L-methioninee  L-Serine  L-Theronine  L-Veline  Anacardic Acid  Trizol Reagent  L-Glutamine  Gentamycin  Amphotericin B  TRF 1 Antibody  0.2ml thin wall clearreal time PCR tubes and caps	Tissue culture plates 12 well adherent cells  Tissue culture plates 6 well adherent cells  Himedia  Tissue culture plates 96 well adherent cells  Himedia  Trypsin EDTA  Himedia  Trypsin EDTA Solution  Tyrosina from Mushroom  UltraPure™ Agarose  Vannas Spring Scissors-2.5mm Cutting Edge, Straight tip shape  Tryptone Soya Broth  Himedia  Ferrous Ammonium Sulphate  Himedia  Phenol Red Indicator  Biochemical Test Kit  Nalgene Tubing T-Type connector  Sola HRP Hypercarb retain  Human IL2 Assey Kit  Glutaraldehyde  Himedia  Genomic DNA Purification Kit 50 rxn.  1-Ripedia  N-Phenyl-1 napthylanine  L-Isoleusine  Himedia  L-Leusin  Himedia  L-Serine  Himedia  L-Serine  Himedia  Anacardic Acid  Trizol Reagent  L-Genagent  L-Himedia  Himedia  Thermo fisher  Himedia  Himedia  L-Veline  Himedia  Anacardic Acid  Trizol Reagent  L-Mimedia  TRF 1 Antibody  Invitrogen  Trytroni Himedia  Axygen  Axygen	Tissue culture plates 12 well adherent cells Tissue culture plates 6 well adherent cells Tissue culture plates 6 well adherent cells Tissue culture plates 96 well adherent cells Tissue culture plates 96 well adherent cells Trypsin EDTA Trypsin EDTA Trypsin EDTA Trypsin EDTA Solution Tyrosina from Mushroom Tyrosina from Mushroom Sigma Tissue-5000L Tyrosina from Mushroom Sigma Tissue-5000L Tyrosina from Mushroom Tyrosina from Mushroom Tyrosina from Mushroom Sigma Tissue-5000L Tryptone Soya Bring Tissue-5000 Tryptone Soya Broth Tryptone Soya Broth Ferrous Ammonium Sulphate Himedia Ferrous Ammonium Sulphate Himedia Ferrous Ammonium Sulphate Himedia Ferrous Ammonium Dihydrogen Phosphate Phenol Red Indicator Himedia Fine Science Tools Tryptone Soya Broth Himedia Ferrous Ammonium Sulphate Himedia Ferrous Ammonium Tulphate Himedia Ferrous Ammonium Sulphate Himedia Ferrous Ammonium Sulphate Himedia Fortoo1-500G Phenol Red Indicator Fine Science Tools Toolog Tryptone Soya Broth Ferrous Ammonium Sulphate Himedia Fortoo1-500G Tryptone Soya Broth Fortoo1-500G Tryptone Soya Broth Frenrous Ammonium Sulphate Himedia Fortoo1-500G Tryptone Soya Broth Fortoo1-500G Tryptone Soya Broth Frenrous Ammonium Sulphate Himedia Fortoo1-500G Tryptone Soya Broth Tryptone Soya



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143	Plasmid DNA isolation from Bacteria Kit 50 reaction	QIAGEN	10023	1 Kit
	Invitro Transcription and Translation kit -			
	AM13 MAXIscript™ SP6 Transcription Kit - 30			
144	reaction	Thermo	AM13	1
145	Ethidium Bromide -	Himedia	MB074	10MLX1
146	Nuclease Free H2O - ,	Thermo	10977015	500 MLX1
147	DNA loading dye 6X - 1ml	Thermo	R0611	1mlx 1
148	1kb DNA Ladder-N3232L, NEB 1 ml (0.5 ug/ml)	G.BIO	786-854	1mlx 1
		GE healthcare		
149	Plasmid DNA Pgex2tk-25ug, 28954653,	life science	28954653,	25mgx1
450	Plant/Fungi DNA Isolation (E5038-	0.	E5000 41/T	4.1.4
150	1KT)	Sigma	E5038-1KT	1 kit
151	6x Loading buffer	Sigma	G2526-5ML	1 vial
152	Agarose	Sigma	A9539	100g x1
153	DiBAC4	Sigma	D8189	25mgx1
154	H2DCFDA	Sigma	D6883	250mgx1
155	Anacardic Acid	Sigma	A7236	25gx1
156	Tris TC072-500G	Himedia	TC072	500gx1
157	Glacial Acetic Acid AS119-2.5L	Merck	1.93002.2521	2.5lx1
158	EDTA Disodium	Himedia	GRM3915	500gx1
159	Quartz Cuvette	Mettler	7017	1 Pair
160	Cicken or Goat Fresh Blood			
161	Eppendorf tubes 1.5 ml	TARSON	39269099	1pkt
162	Falcon tube 15 ml	TARSON	39269099	1pkt
163	NaCl	Himedia	GRM853	500gx1
164	Trypan Blue dye (powder)	Himedia	GRM263	5gx1
165	Disposable syringe filters (0.22 uM)	Merck	SLGV0250S	1 pkt
166	Whattman filter paper			1 pkt
167	Disposable syringe (5 ml, 10 ml)			1 pkt each
168	Reagent Bottle glass (100ml, )	BOROSIL	1501016	6 No
169	Reagent Bottle glass (250ml)	BOROSIL	1501021	6 No
170	Reagent Bottle glass (500ml)	BOROSIL	1501024	6 No
171	Glass slides			1 pkt
172	Cover slip			1 pkt
173	Micro pipette P10,	GIL	FA10002M	1 No
174	Micro pipette P100,	GIL	FA10004M	1 no
175	Micro pipette P200	GIL	FA10005M	1 no
176	Micro pipette P1000	GIL	FA10006M	1 no
177	Micro-Tips 0-1ul white	TARSON	521000	1 pkt
178	Universal Mirco tip Box 96 placed	TARSON	524052	1 pkt
179	Micro-Tips 200 ul yello with tip box	TARSON	521010	1 pkt
180	Universal Mirco tip Box 96 placed	TARSON	524053	1 pkt
	Micro-Tips 1000ul blue with tip box		521020	•
181		TARSON		1 pkt
182	Universal Mirco tip Box 96 placed	TARSON	524059	1 pkt
183	Phosphate Buffered Saline (PBS), pH 7.4	Himedia	M1866	500mlx1
184	Isopropanol AS067-500ML	MERCK	1.94524.0521	500mlx1
185	Tissue roll	B.4	ED 00	12
186	pH metre	Mettler	FP-20	1 pc



187	Magnetic stirrer hot Plate	TARSON	6040	1
188	Round magnetic stirrer bar with pivot ring	TARSON	4117	1
189	Magnetic Retreiver 30mm Pk of 2	TARSON	4192	1
190	Weighing Balance	Mettler	Me-204	1
191	NaOH	Himedia	GRM1183	500gx1
192	HCI	MERCK	1.93401.0521	500mlx1
193	LB Powder	HIMEDIA	M575	500mlx1



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#### Annexure 'B'

## List of items required for "Life Science Lab"

SI. No.	Chemicals/Consumables Name	Make	Manufactur er	Qty.
1.	Syringes, 10 ML, Make:	HSMD	HSMD	5 Pk
2.	Syringe filter, 0.22 um, 100/box, Cat. No. NSF02	BR	BR Biochem	2 box
		Biochem		
3.	Beaker, 500 ml, Cat. No. 1000D24,	Borosil	Borosil	50 Pcs
4.	Conical Flask, 100 ml, Cat. No. 4980016,	Borosil	Borosil	50 Pcs
5.	Conical Flask, 500 ml, Cat. No. 4980024	Borosil	Borosil	50 Pcs
6.	Petri Dishes, 90 * 15 MM, Cat. No. 3165075	Borosil	Borosil	50 Pcs
7.	Methanol HPLC, 2.5 Ltr., Cat. No. AS061-2.5 L	Himedia	Himedia	4 Pk
8.	DNA 1 KB plus ladder, Cat. No. N3200S	NEB	NEB	2
9.	Agar Powder, Cat. No. MB053-500GM	Himedia	Himedia	1
10.	Short Plate, Cat. No. 1653308	BioRad	BioRad	2
11.	Gel Casting Plate, 1 mm, Cat. No. 1653311	BioRad	BioRad	2
12.	Bis-acrylamide, Cat. No. MB005-100G	Himedia	Himedia	1
13.	Agarose, 500 gm	Himedia	Himedia	1
14.	Glycerol, Cat. No. GRM1027-500ML	Himedia	Himedia	1
15.	Parafilm, 2"*250', Cat. No. 380010	Abdos	Abdos	2 Pk
16.	Staining Box, Cat. No. 482060, 2/Pk	Tarson	Tarson	2 Pk
17.	Purple nitrile gloves (Medium), Cat. No. 370020	Tarson	Tarson	5 pk.
18.	Luria Bertani Broth, Cat. No. L3022-1KG	Sigma	Sigma	2
19.	Micro tips 20 ul, Cat. No. 521050, 1000/Pk	Tarson	Tarson	15
20.	Micro tips 200 ul, Cat. No. 521010, 1000/Pk	Tarson	Tarson	15
21.	Micro tips 1000 ul, Cat. No. 521020, 500/Pk	Tarson	Tarson	15
22.	Micropipette variable volume, 0.1 -2.5 μl	Abdos	Abdos	1
23.	Micropipette variable volume, 2-20 μl	Abdos	Abdos	1
24.	Micropipette variable volume, 20-200 μl	Abdos	Abdos	1
25.	Micropipette variable volume, 100-1000 μl	Abdos	Abdos	1
26.	Bromophenol blue, Cat. No. MB123-25G	Himedia	Himedia	1
27.	n-Butanol, Cat. No. MB055	Himedia	Himedia	1
28.	Ammonium Per Sulphate (APS), Cat. No. MB003-100GM	Himedia	Himedia	1
29.	Ortho Phosphoric acid, Cat. No. AS011-500 ML	Himedia	Himedia	2
30.	Ethanol, Cat. No. 1009742	Sigma	Sigma	3
31.	Cobalt (II) nitrate, Cat. No. 239267-100G	Sigma	Sigma	1
32.	Isopropanol, Cat. No. AS067	Himedia	Himedia	2
33.	Buffer capsule Ph 4.0, Cat. No. LA405	Himedia	Himedia	2
34.	Buffer capsule Ph 7.0, Cat. No. LA406	Himedia	Himedia	2
35.	2-mercaptoethanol, Cat. No. M3148-500ML	Sigma	Sigma	1
36.	BSA, Cat. No. MB083-25G	Himedia	Himedia	2
37.	Disodium hydrogen orthophosphate, Cat. No. GRM1417-500GM	Himedia	Himedia	1
38.	Whatman filter paper, 12.5 cm	Whatman	Whatman	2 pk.
39.	Centrifuge tube 15ml, 500 /PK Cat. No. 500031	Tarson	Tarson	3 Pk.
40.	Centrifuge tube 50 ml, Cat. No. 500041	Tarson	Tarson	3 Pk.



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41.	Cover slip, Cat. No. 9115S02	Borosil	Borosil	5:00 PM
42.	Storage vials Sterile, 1.8 ml, (-80 degree), Cat.	Moxcare	Moxcare	1 Pk
	No. MCSV10018			
43.	Sigma Marker™ wide range, mol wt 6,500-	Sigma	Sigma	2 Vial
	200,000 Da, Cat. No. S8445-1VL			
44.	Taq DNA Polymerase with standard buffer, Cat.	ILS (NEB)	ILS (NEB)	2 Pk
44.	No. M0273S	ILS (INEB)	ILO (NED)	2 F K
45.	P:C:I, Cat. No. MB078-500ML	Himedia	Himedia	1
46.	Coomassie Blue R 250, Cat. No. 1125530025	Sigma	Sigma	1
47.	Coomassie Blue G 250, Cat. No. 1154440025	Sigma	Sigma	1
48.	Chloramphenicol, 5 G, Cat. No. C1919-5G	Sigma	Sigma	1
49.	Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No.	Tarson	Tarson	5
10.	500010	1 0.0011	1 410011	· ·
50.	dNTPs (10 mM), Cat. No. D7295-0.2ML	Sigma	Sigma	1
51.	Spirit Lamp ss, Cat. No.LA875-1NO	Himedia	Himedia	5
52.	Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17	Fisher	Fisher	1 Pk
53.	Pasteur Pipettes, 3 ml, Cat. No. 940050	Tarson	Tarson	5 Pk
54.	Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120	Tarson	Tarson	5 Pk
55.	L Spreader, Autoclavable, Cat. No. PW-1085-	HiMedia	HiMedia	1
	1X100NO			
56.	Ammonium ferric citrate, Cat. No. TC453-500G	HiMedia	HiMedia	1
57.	EDTA, Cat. No03620-250G	Sigma	Sigma	2
58.	Sodium nitrite, GRM3959-500G	HiMedia	HiMedia	1
59.	Spin Miniprep Columns Cat No./ID: 27115	QIAGEN	QIAGEN	100 pcs
60.	Sodium dihydrogen phosphate monobasic Cat	Himedia	Himedia	2
	No GRM3963-500G			
61.	Tissue Roll	Local	Local	100 rolls
62.	Scalpel Blade, 1*100, Cat. No. LA771	Himedia	Himedia	2
63.	Tris base, 500 gm, Cat. No. 648310-500GM-M	Merck	Merck	1
64.	Folin–Ciocalteu reagent, Cat. No. RM10822- 100ML	Himedia	Himedia	2
65.	SDS, Cat. No. MB010-500GM	Himedia	Himedia	1
66.	Glutathione agarose lyophilized powder, Cat. No. G4510-10 ML	Sigma	Sigma	2
67.	IPTG, Cat. No. MB072-10GM	Himedia	Himedia	2
68.	ECOR1, Cat. No. R3101S	NEB	NEB	2
69.	BamH1, Cat. No. R3136S	NEB	NEB	2
70.	Micro tips 20 ul, Cat. No. 521050, 1000/Pk	Tarson	Tarson	30
71.	QIAquick Gel Extraction Kit, 50 Prep, Cat. No. 28704	QIAGEN	QIAGEN	2
72.	Protease inhibitor cocktail, P8465-25ML	Sigma	Sigma	1
73.	CBB G-250, Cat. No. 20279, 50 gm	Fisher	Fisher	1
74.	Protease Inhibitor cocktail, Cat. No. P8340-1ML	Sigma	Sigma	
		(Merck)	(Merck)	1
75.	TRI Reagent, Cat. No. T9424-200 ML	Sigma	Sigma	1
76.	Phusion High-Fidelity DNA Polymerase, Cat. No.	ILS (NEB)	ILS (NEB)	1 vial
	M0530S, 100 units			
77.	DNAse free Rnase, Cat. No. R0303S, 1000 units	ILS (NEB)	ILS (NEB)	1
78.	Ndel, Cat. No. R0111S, 4000 units	ILS (NEB)	ILS (NEB)	1
79.	Ncol, Cat. No. R0193S, 1000 units	ILS (NEB)	ILS (NEB)	1
80.	Xhol, Cat. No. R0146S, 5000 units	ILS (NEB)	ILS (NEB)	1
81.	DNA Ligase T4, Cat. No. M0202S, 20000 units	ILS (NEB)	ILS (NEB)	1



	(=1.16.1)	02 . 200	
Kanamycin sulfate, Cat. No. MB105-25G	Himedia	Himedia	1
2-log DNA ladder, Cat. No. N0469S, 250 gel lanes	ILS (NEB)	ILS (NEB)	1 Pk
			1
	Sigma	Sigma	1
	Figher	Fisher	1
			1
			<u> </u>
	Sigina	Sigina	ı
	Sigma	Sigma	1
	Sigilia	Sigilia	1
	Sigma	Sigma	1
			1
	OIL	OILL	•
	Sigma	Sigma	1
·	Oigina	Olgina	•
	Sigma	Sigma	1
100 GM	2.3	2.3	-
	Sigma	Sigma	1
100GM		5	
Color prestained Protein standard, 500 µl., Cat.	Himedia	Himedia	1
No. MBT092-100LN			
HIS select HF Nickel affinity gel, 10 ml, Cat. No.	Sigma	Sigma	1
H0537			
Glutathione hicap matrix, Cat No. 30900, 10 ML	QIAGEN	QIAGEN	1
Column -liq chromatography, Cat. No. C4794-	Sigma	Sigma	2
1EA, 98ml.L2.5*20cm			
	QIAGEN	QIAGEN	1
Spin column			
Dilusert for DNA systematics, Oct. No. NADOOS	1 13NA - 32 -	LUMA C	
	Hilviedia	Hiiviedia	1
	CoNoi	GaNla:	1
			1 1
			1
•			<u> </u>
<u> </u>			1
			1
			1
•	Jigilia	Sigilia	1
	Sigma	Siama	1
			1
			1
	NEB		1
			1
	Himedia		1
DNA ligase, Cat. No. MBT090-50LN	Himedia	Himedia	1
<u> </u>	Himedia		1
•	BioRad	BioRad	1
AMICON ultra 15 centrifugal filter unit, Cat. No.	Merck	Merck	1
UFC801008	1		
Ni-NTA resin, Cat. No. GE17-5268-01	Merck	Merck	1
Glycerol, Cat. No.MB060, 500ml	Himedia	Himedia	1
	Kanamycin sulfate, Cat. No. MB105-25G 2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G Sepharose CL-2B, 100 ML, Cat. No. CL2B300- 100ML CloneJET PCR Cloning Kit, Cat. No. #K1231 TA cloning kit (TOPO), Cat. No. 450641 N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG Glycidol, 100 GM, Cat. No. G5809-100 GM Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 12680 1,3-Diaminopropane, 500 GM, Cat. No. D23602- 500 GM 1,6-DiaminoHEXANE, 100 GM, Cat. No. H11696- 100 GM 6-Aminocaproic acid, 100 GM, Cat. No. A2504- 100GM Color prestained Protein standard, 500 µL, Cat. No. MBT092-100LN HIS select HF Nickel affinity gel, 10 ml, Cat. No. H0537 Glutathione hicap matrix, Cat No. 30900, 10 ML Column -liq chromatography, Cat. No. C4794- 1EA, 98ml.L2.5*20cm Plasmid DNA MINIprep kit, Cat. No. 27115, 100 Spin column  Diluent for DNA extraction, Cat. No.MB228- 500ML Taq DNA mastermix, Cat. No. 6667700041730 trehalose dehydrate, Cat. No. TC177M-25gm potassium citrate, Cat. No. GRM4514-500GM L-arginine, Cat. No. TC052-25 gm L-glutamate, Cat. No. TC074-25gm Protein ladder, Cat. No. MBT092-100LN Supradex 75 column resins, Cat. No. 17104401 150 ML DEAE sepharose, Cat. No.DFF100-100ML L-glutathione reduced, Cat. No. G4251-25GM Thrombin, Cat. No. T6884-100U dnase 1, Cat. No. MBT090-50LN DNA ligase, Cat. No. MBT090-50LN DNA ligase, Cat. No. MBT090-50LN DNA ligase, Cat. No. MBT090-50LN Amjoicillin sodium salt, Cat. No. MBT090-50LN DNA ligase, Cat. No. MBT090-50LN AMICON ultra 15 centrifugal filter unit, Cat. No. UFC801008 Ni-NTA resin, Cat. No. GE17-5268-01	Kanamycin sulfate, Cat. No. MB105-25G 2-log DNA ladder, Cat. No. N0469S, 250 gel lanes ILS (NEB)  X Gal, Cat. No. MB069-1G Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML CloneJET PCR Cloning Kit, Cat. No. #K1231 Fisher TA cloning kit (TOPO), Cat. No. 450641 N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG Glycidol, 100 GM, Cat. No. G5809-100 GM Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 12680 1,3-Diaminopropane, 500 GM, Cat. No. D23602-500 GM 1,6-Diaminopropane, 500 GM, Cat. No. H11696-100 GM 6-Aminocaproic acid, 100 GM, Cat. No. A2504-100 GM Color prestained Protein standard, 500 µL, Cat. No. MB1092-100LN HIS select HF Nickel affinity gel, 10 ml, Cat. No. Sigma HIS select HF Nickel affinity gel, 10 ml, Cat. No. H1696-103GM Column -liq chromatography, Cat. No. C4794-12A, 98ml.L2.5'20cm Plasmid DNA MINIprep kit, Cat. No. 27115, 100 Spin column Diluent for DNA extraction, Cat. No. MB228-500ML L-arginine, Cat. No. TC052-25 gm Himedia Protein ladder, Cat. No. TC177M-25gm Himedia Protein ladder, Cat. No. TC074-25gm Himedia Protein ladder, Cat. No. TC074-25gm Himedia Protein ladder, Cat. No. MB7092-100LN Sigma L-glutamate, Cat. No. TC074-25gm Himedia Protein ladder, Cat. No. MB7092-100LN Sigma L-glutamate, Cat. No. TC074-25gm Himedia Protein ladder, Cat. No. MB7092-100LN Sigma Thrombin, Cat. No. T687-50B NA 1KB plus ladder, Cat. No. MB709-50LN Himedia L-glutathione reduced, Cat. No. MB709-50LN Himedia L-g	2-log DNA ladder, Cat. No. N0469S, 250 gel lanes ILS (NEB) ILS (NEB) X Gal, Cat. No. MB069-1G Himedia Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML Sigma Sigma 100ML CloneJET PCR Cloning Kit, Cat. No. #K1231 Fisher Fisher TA cloning kit (TOPO), Cat. No. 450641 Fisher Fisher N-(3-Dimethylaminopropyl-N'-ethylcarbodiminde hydrochloride, 1 GM, Cat. No. E1769-1G N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. S6485-250MG Sigma Sigma Sigma Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 26485-250MG Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 12680 Sigma Sigma Sigma Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 12680 Sigma Sigma Sigma Sigma Sigma Sodium Borocyanohydride (NaBH3CN), 25 GM, Cat. No. 12680 Sigma Si



120.   Premium Plus Pipettes, PP, 2-0.01, E11108   Abdos   Abdos   1		1 oot 1 atchpar, 1 .o Tokari, District C	- Laya (2.1.1a.)	02 . 200	•
122.   Premium Plus Pipettes, PP, 20-200u, E11110   Abdos   Abdos   1	120.	Premium Plus Pipettes, PP, 0.1-2.5ul, E11145	Abdos	Abdos	1
122.   Premium Plus Pipettes, PP, 20-200u, E11110   Abdos   Abdos   1	121.	Premium Plus Pipettes, PP, 2-20ul, E11108	Abdos	Abdos	1
123.   Premium Plus Pipettes. PP. 100-1000ul, E11111	122.		Abdos	Abdos	1
124.   permanent microscopic silides of development of chick embryo, 18 hrs, 24 hrs, 33 hrs, 48 hrs, 72 hrs, 96 hrs   125.   permanent microscopic silides of development of zebrafish,5-10 hrs,10-24 hrs, 24-48 hrs, 48-72 hrs, 72 hrs-30 hrs   126.   Acrylamide, Cat. No. MB068-100GM   Himedia   Himedia   1   127.   Sarcosyl, Cat. No. MB108-5gm   Himedia   Himedia   1   127.   Sarcosyl, Cat. No. MB108-5gm   Himedia   Himedia   1   128.   Centrifuge bottle, Cat. No.544040, 1000ml (wide mouth)   Tarson   Tarson   1 pk   1   129.   Centrifuge bottle, Cat. No. MB015-25GM   Himedia   Himedia   1   1   1   1   1   1   1   1   1	123.		Abdos	Abdos	1
zebrafish,5-10 hrs, 10-24 hrs, 24-48 hrs, 48-72 hrs, 72 hrs-30 hrs   126. Acrylamide, Cat. No. MB068-100GM	124.	permanent microscopic slides of development of chick embryo, 18 hrs, 24 hrs, 33 hrs, 48 hrs, 72	Local	Local	6 slides
128.   Sarcosyl, Cat. No. MB108-5gm	125.	zebrafish,5-10 hrs,10-24 hrs, 24-48 hrs, 48-72 hrs, 72 hrs-30 hrs		Local	6 slides
128.         Centrifuge bottle, Cat. No.544040, 1000ml (wide mouth)         Tarson         Tarson         1 pk           129.         Guanidium thiocynate, Cat. No. MB015-25GM         Himedia         Himedia         Himedia         1           130.         DAPI, Cat. No. 268298-10MG         Sigma         Sigma         3           131.         Ultrapure Urea, Cat. No. RM659-100G         Himedia         Himedia         1           132.         PIPES buffer, Cat. No. RM659-100G         Himedia         Himedia         1           133.         2X SSC, Cat. No. T9171, 5 pouch         DSS         DSS Takara         1           134.         IPG buffer, Cat. No. CE17-6000-87         Sigma         Sigma         1           135.         Thiourea, Cat. No. T8656-100G         Sigma         Sigma         1           135.         Thiourea, Cat. No. T6656-100G         Sigma         Sigma         1           137.         Ampholytes, 03066-10ML         Sigma         Sigma         1           138.         XAD-2 Resin, Cat. No. 10357         Sigma         Sigma         1           139.         Deuterated DMSO, Cat. No. 156914-10X0.25Ml         Sigma         Sigma         1           140.         Protein purification kit, Cat. No. 05761-500G         Sig		Acrylamide, Cat. No. MB068-100GM	Himedia	Himedia	1
129.   Guanidium thiocynate, Cat. No. MB015-25GM   Himedia   Himedia   1   1   1   1   1   1   1   1   1	127.	Sarcosyl, Cat. No. MB108-5gm	Himedia	Himedia	1
130. DAPI, Cat. No. 268298-10MG	128.	, ,	Tarson	Tarson	1 pk
131. Ultrapure Urea, Cat. No. 51456-500G   Sigma   Sigma   1     132. PIPES buffer, Cat. No. RM659-100G   Himedia   Himedia   1     133. 2X SSC, Cat. No. T9171, 5 pouch   DSS   DSS Takara   Takara   1     134. IPG buffer, Cat. No. GE17-6000-87   Sigma   Sigma   1     135. Thiourea, Cat. No. T8656-100G   Sigma   Sigma   1     136. IPG strips, Cat. No. GE17-6001-11, pack of 7 cm   Sigma   Sigma   1     137. Ampholytes, 03066-10ML   Sigma   Sigma   1     138. XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1     139. Duterated DMSO, Cat. No. 156914-10X0.25Ml   Sigma   Sigma   1     140. Protein purification kit, Cat. No. CE0050-1KT   Sigma   Sigma   1     141. Sodium bicarbonate, Cat. No. S5761-500G   Sigma   Sigma   1     142. HEPES, Cat. No. MB016-500G   Himedia   Himedia   2     143. 3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G   1     144. Mimimum Essential Medium Eagle (MEM); Cat.   Himedia   Himedia   No AL047S-500ML   Himedia   Himedia   1     146. MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML   Himedia   Himedia   1     147. Tris HCl, 500 G., Cat. No. TC073   Himedia   Himedia   1     148. Methanol HPLC, Cat. No. AS 061, 2.5 ltr   Himedia   Himedia   1     149. T-75 Cell culture flask, 100/Pk, Cat. No. 950020   Tarson   Tarson   Tarson   Tarson   Tarson   1 pk     150. CTAB, Cat. No. MB101-500G   Sigma   Sigma   1     151. L-Methionine, Cat. No. TC080, 100 GM   Himedia   Himedia   Himedia   1     152. Ammonium dihydrogen orthophosphate, Cat. No Himedia   Himedia   Himedia   1     154. NBT, Cat. No. MB107-1G   Himedia   Himedia   Himedia   1     155. L-Methionine, Cat. No. TC080, 100 GM   Himedia   Himedia   Himedia   1     156. Sodium Phosphate Dibasic Dihydrate, 500 gm,   Cat. No. MB126-500G   Cat.	129.		Himedia		<u>-</u>
132. PIPES buffer, Cat. No. RM659-100G	130.	DAPI, Cat. No. 268298-10MG	Sigma	Sigma	3
133.   2X SSC, Cat. No. T9171, 5 pouch   DSS   Takara   Takara	131.	Ultrapure Urea, Cat. No. 51456-500G	Sigma	Sigma	1
134.   IPG buffer, Cat. No. GE17-6000-87   Sigma   Sigma   1     135.   Thiourea, Cat. No. T8656-100G   Sigma   Sigma   1     136.   IPG strips, Cat. No. GE17-6001-11, pack of 7 cm   Sigma   Sigma   1     137.   Ampholytes, 03066-10ML   Sigma   Sigma   1     138.   XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1     139.   Deuterated DMSO, Cat. No. 156914-10X0.25Ml   Sigma   Sigma   1     140.   Protein purification kit, Cat. No. CE0050-1KT   Sigma   Sigma   1     141.   Sodium bicarbonate, Cat. No. S5761-500G   Sigma   Sigma   1     142.   HEPES, Cat. No. MB016-500G   Himedia   Himedia   2     143.   3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-   Sigma   Sigma   1     144.   Minimum Essential Medium Eagle (MEM); Cat.   No. AL047S-500ML   Himedia   Himedia   No. AL047S-500ML   Himedia   Himedia   No. AL047S-500ML   Himedia   Himedia   No. AL047S-500ML   Himedia   Himedia   Himedia   1     146.   MEM Non Essential Amino Acids Solution 100X,   Cat. No. ACL006-100ML   1   1     147.   Tris HCl, 500 G., Cat. No. TC073   Himedia   Himedia   1   1     148.   Methanol HPLC, Cat. No. AS 061, 2.5 ltr   Himedia   Himedia   1   1     149.   T-75 Cell culture flask, 100/Pk, Cat. No. 950020   Tarson   Tarson   1 pk   Themodia, Cat. No. 174977   Scientific   Scientific   1   Case   GRM278-500G   Sigma   Sigma   1   1   1   1   1   1   1   1   1	132.	PIPES buffer, Cat. No. RM659-100G	Himedia	Himedia	1
135.   Thiourea, Cat. No. T8656-100G   Sigma   Sigma   1     136.   IPG strips, Cat. No. GE17-6001-11, pack of 7 cm   Sigma   Sigma   1     137.   Ampholytes, 03066-10ML   Sigma   Sigma   1     138.   XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1     139.   Deuterated DMSO, Cat. No. 156914-10X0.25Ml   Sigma   Sigma   1     140.   Protein purification kit, Cat. No. CE0050-1KT   Sigma   Sigma   1     141.   Sodium bicarbonate, Cat. No. S5761-500G   Sigma   Sigma   1     142.   HEPES, Cat. No. MB016-500G   Himedia   Himedia   2     143.   3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-   Sigma   Sigma   1     144.   Minimum Essential Medium Eagle (MEM); Cat.   Himedia   Himedia   No AL047S-500ML   A     145.   Trypsin 2.5% solution, Cat. No TCL008-100ML   Himedia   Himedia   1     146.   MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML   A     147.   Tris HCl, 500 G., Cat. No. TC073   Himedia   Himedia   1     148.   Methanol HPLC, Cat. No. AS 061, 2.5 ltr   Himedia   Himedia   5     149.   T-75 Cell culture flask, 100/Pk, Cat. No. 950020   Tarson   Tarson   1 pk     150.   CTAB, Cat. No. MB101-500G   Himedia   Himedia   1     151.   Circular cover slips (for adherent cells), 22 mm.   Thermo   Thermo   Scientific   1 case   GRM278-500G   Sigma   Sigma   1     152.   Ammonium dihydrogen orthophosphate, Cat. No Himedia   Himedia   Himedia   GRM278-500G   Sigma   Sigma   1     154.   NBT, Cat. No. MB107-1G   Himedia   Himedia   1     156.   Sodium Phosphate Dibasic Dihydrate, 500 gm,   Cat. No. MB126-500G   Lat. No. MB126-500G   Himedia   Himedia   Himedia   1     157.   T-25 Cell culture flask, 100/Pk, Cat. No. 950010   Tarson   Tarson   1 Pk   Tris-EDTA buffer solution pH 7.0, Cat. No.   Himedia   Himedia   Himedia   1     157.   T-25 Cell culture flask, 100/Pk, Cat. No. 950010   Tarson   Tarson   1 Pk   Himedia   Hime	133.	2X SSC, Cat. No. T9171, 5 pouch		DSS Takara	1
136.   IPG strips, Cat. No. GE17-6001-11, pack of 7 cm   Sigma   Sigma   Sigma   1     137.   Ampholytes, 03066-10ML   Sigma   Sigma   Sigma   1     138.   XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   Sigma   1     139.   Deuterated DMSO, Cat. No. 156914-10X0.25Ml   Sigma   Sigma   1     140.   Protein purification kit, Cat. No. CE0050-1KT   Sigma   Sigma   1     141.   Sodium bicarbonate, Cat. No. S5761-500G   Sigma   Sigma   1     142.   HEPES, Cat. No. MB016-500G   Himedia   Himedia   2     143.   3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H- tetrazolium bromide (MTT), Cat. No. M2128-5G   1     144.   Minimum Essential Medium Eagle (MEM); Cat.   No AL047S-500ML   Himedia   Himedia   No AL047S-500ML   Himedia   Himedia   Himedia   1     145.   Trypsin 2.5% solution, Cat. No TCL008-100ML   Himedia   Himedia   Himedia   1     146.   MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML   Himedia   Himedia   Himedia   1     147.   Tris HCI, 500 G., Cat. No. TC073   Himedia   Himedia   1     148.   Methanol HPLC, Cat. No. AS 061, 2.5 ltr   Himedia   Himedia   5     149.   T-75 Cell culture flask, 100/Pk, Cat. No. 950020   Tarson   Tarson   1 pk     150.   CTAB, Cat. No. MB101-500G   Himedia   Himedia   1     151.   Circular cover slips (for adherent cells), 22 mm.   Thermo   Scientific   Scientific   1     152.   Ammonium dihydrogen orthophosphate, Cat. No Himedia   Himedia   1     155.   L-Methionine, Cat. No. TC080, 100 GM   Himedia   Himedia   1     156.   Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G   2 PK     157.   T-25 Cell culture flask, 100/Pk, Cat. No. 950010   Tarson   Tarson   1 Pk     158.   Tris-EDTA buffer solution pH 7.0, Cat. No.   Himedia   1     158.   Tris-EDTA buffer solution pH 7.0, Cat. No.   Himedia   Himed	134.	IPG buffer, Cat. No. GE17-6000-87	Sigma	Sigma	1
137.         Ampholytes, 03066-10ML         Sigma         Sigma         1           138.         XAD-2 Resin, Cat. No. 10357         Sigma         Sigma         1           139.         Deuterated DMSO, Cat. No. 156914-10X0.25Ml         Sigma         Sigma         1           140.         Protein purification kit, Cat. No. CE0050-1KT         Sigma         Sigma         1           141.         Sodium bicarbonate, Cat. No. S5761-500G         Sigma         Sigma         1           142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         Sigma           144.         Minimum Essential Medium Eagle (MEM); Cat. No. M128-5G         Himedia         Himedia           144.         Minimum Essential Medium Eagle (MEM); Cat. No. Himedia         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. NoTCL008-100ML         Himedia         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. NoACL006-100ML         Himedia         Himedia         1           147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methano	135.	Thiourea, Cat. No. T8656-100G			1
137.         Ampholytes, 03066-10ML         Sigma         Sigma         1           138.         XAD-2 Resin, Cat. No. 10357         Sigma         Sigma         1           139.         Deuterated DMSO, Cat. No. 156914-10X0.25Ml         Sigma         Sigma         1           140.         Protein purification kit, Cat. No. CE0050-1KT         Sigma         Sigma         1           141.         Sodium bicarbonate, Cat. No. S5761-500G         Sigma         Sigma         1           142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         Sigma           144.         Minimum Essential Medium Eagle (MEM); Cat. No. M128-5G         Himedia         Himedia           144.         Minimum Essential Medium Eagle (MEM); Cat. No. Himedia         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. NoTCL008-100ML         Himedia         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. NoACL006-100ML         Himedia         Himedia         1           147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methano	136.	IPG strips, Cat. No. GE17-6001-11, pack of 7 cm	Sigma	Sigma	1
138.         XAD-2 Resin, Cat. No. 10357         Sigma         Sigma         1           139.         Deuterated DMSO, Cat. No. 156914-10X0.25Ml         Sigma         Sigma         1           140.         Protein purification kit, Cat. No. CE0050-1KT         Sigma         Sigma         1           141.         Sodium bicarbonate, Cat. No. S5761-500G         Sigma         Sigma         1           142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         Sigma           144.         Minimum Essential Medium Eagle (MEM); Cat. No. M2128-5G         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. No TCL008-100ML         Himedia         Himedia           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia           147.         Tris HCi, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, C	137.	Ampholytes, 03066-10ML	Sigma		1
139.   Deuterated DMSO, Cat. No. 156914-10X0.25MI   Sigma   Sigma   1     140.   Protein purification kit, Cat. No. CE0050-1KT   Sigma   Sigma   1     141.   Sodium bicarbonate, Cat. No. S5761-500G   Sigma   Sigma   1     142.   HEPES, Cat. No. MB016-500G   Himedia   Himedia   2     143.   3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-   sigma   Sigma   Sigma   1     144.   Minimum Essential Medium Eagle (MEM); Cat.   No AL047S-500ML   A   Himedia   Himedia   A     145.   Trypsin 2.5% solution, Cat. No TCL008-100ML   Himedia   Himedia   Himedia   A     146.   MEM Non Essential Amino Acids Solution 100X,   Cat. No ACL006-100ML   A   Himedia   Himedia   A     147.   Tris HCl, 500 G., Cat. No. TC073   Himedia   Himedia   A     148.   Methanol HPLC, Cat. No. AS 061, 2.5 ltr   Himedia   Himedia   5     149.   T-75 Cell culture flask, 100/Pk, Cat. No. 950020   Tarson   Tarson   1 pk     150.   CTAB, Cat. No. MB101-500G   Himedia   Himedia   Himedia   1     151.   Circular cover slips (for adherent cells), 22 mm.   Thermo   Scientific   Scien	138.	, ,			1
140.         Protein purification kit, Cat. No. CE0050-1KT         Sigma         Sigma         1           141.         Sodium bicarbonate, Cat. No. S5761-500G         Sigma         Sigma         1           142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         Sigma           144.         Minimum Essential Medium Eagle (MEM); Cat. No. Totalous Himedia         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. No. TCL008-100ML         Himedia         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia         1           147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. GRM278-500G         Scientific         Scientific	139.	·			1
141.         Sodium bicarbonate, Cat. No. S5761-500G         Sigma         1           142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         1           144.         Minimum Essential Medium Eagle (MEM); Cat. No. Himedia         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. No TCL008-100ML         Himedia         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia         1           147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Scientific         Scientific         Scientific           152.         Ammonium dihydrogen orthophosphate, Cat. No Gen. No. Ben Gen. No. Ben Gen. No. Ben Gen. No. Ben Gen		·			1
142.         HEPES, Cat. No. MB016-500G         Himedia         Himedia         2           143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         1           144.         Minimum Essential Medium Eagle (MEM); Cat. No AL047S-500ML         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. No TCL008-100ML         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia           147.         Tris HCl, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Scientific         Scientific         Scientific         1 case           152.         Ammonium dihydrogen orthophosphate, Cat. No GRM278-500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia <t< td=""><td>141.</td><td></td><td></td><td></td><td>1</td></t<>	141.				1
143.         3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G         Sigma         1           144.         Minimum Essential Medium Eagle (MEM); Cat. No AL047S-500ML         Himedia         Himedia           145.         Trypsin 2.5% solution, Cat. No TCL008-100ML         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia           147.         Tris HCl, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         1 case           152.         Ammonium dihydrogen orthophosphate, Cat. No Himedia         Himedia         Himedia         1           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1 <tr< td=""><td></td><td></td><td></td><td></td><td>2</td></tr<>					2
144.         Minimum Essential Medium Eagle (MEM); Cat. No AL047S-500ML         Himedia         Himedia         4           145.         Trypsin 2.5% solution, Cat. No TCL008-100ML         Himedia         Himedia         1           146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia         1           147.         Tris HCl, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         1 case           152.         Ammonium dihydrogen orthophosphate, Cat. No Gammonium dihydrogen orthophosphate, Cat. No Himedia         Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100 GM         Himedia<		3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-			
145.Trypsin 2.5% solution, Cat. No TCL008-100MLHimediaHimedia1146.MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100MLHimediaHimedia147.Tris HCI, 500 G., Cat. No. TC073HimediaHimedia1148.Methanol HPLC, Cat. No. AS 061, 2.5 ltrHimediaHimedia5149.T-75 Cell culture flask, 100/Pk, Cat. No. 950020TarsonTarson1 pk150.CTAB, Cat. No. MB101-500GHimediaHimedia1151.Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977Thermo ScientificScientific1 case152.Ammonium dihydrogen orthophosphate, Cat. No GRM278-500GHimediaHimediaHimedia153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia1157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimediaHimedia	144.	Minimum Essential Medium Eagle (MEM); Cat.	Himedia	Himedia	4
146.         MEM Non Essential Amino Acids Solution 100X, Cat. No ACL006-100ML         Himedia         Himedia         1           147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         1 case           152.         Ammonium dihydrogen orthophosphate, Cat. No Gat. No Himedia         Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100 GM         Himedia         Himedia         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         Himedia         1           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson	145.		Himedia	Himedia	
147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         1 case           152.         Ammonium dihydrogen orthophosphate, Cat. No GRM278-500G         Himedia         Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100 GM         Himedia         Himedia         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         Himedia         Himedia           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson         1 Pk           158.         Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500ML         Himedia         H		MEM Non Essential Amino Acids Solution 100X,			1
148.Methanol HPLC, Cat. No. AS 061, 2.5 ltrHimediaHimedia5149.T-75 Cell culture flask, 100/Pk, Cat. No. 950020TarsonTarson1 pk150.CTAB, Cat. No. MB101-500GHimediaHimedia1151.Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977ThermoThermoThermo152.Ammonium dihydrogen orthophosphate, Cat. No GRM278-500GHimediaHimediaHimedia153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia2 PK157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia	147.		Himedia	Himedia	1
149.T-75 Cell culture flask, 100/Pk, Cat. No. 950020TarsonTarson1 pk150.CTAB, Cat. No. MB101-500GHimediaHimedia1151.Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977Thermo ScientificThermo Scientific1 case152.Ammonium dihydrogen orthophosphate, Cat. No GRM278-500GHimediaHimedia153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia2 PK157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia	148.			Himedia	5
150.CTAB, Cat. No. MB101-500GHimediaHimedia1151.Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977Thermo ScientificThermo Scientific1 case152.Ammonium dihydrogen orthophosphate, Cat. No GRM278-500GHimediaHimedia153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia2 PK157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia					1 pk
151. Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977  152. Ammonium dihydrogen orthophosphate, Cat. No GRM278-500G  153. PVP, Cat. No. PVP40500G  154. NBT, Cat. No. MB107-1G  155. L-Methionine, Cat. No. TC080, 100 GM  156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. No. Himedia  ML118-500ML  Thermo Scientific  Scientific  1 case  Himedia  Himedia  Himedia  1  Toase  1 case			Himedia		1
152. Ammonium dihydrogen orthophosphate, Cat. No GRM278-500G  153. PVP, Cat. No. PVP40500G  Sigma Sigma 1  154. NBT, Cat. No. MB107-1G Himedia Himedia 1  155. L-Methionine, Cat. No. TC080, 100 GM Himedia Himedia 1  156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. No. 950010  Tarson Tarson Tarson 1 Pk  158. Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500ML  Himedia Himedia Himedia Himedia Himedia Himedia	151.				1 case
153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia2 PK157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia	152.	Ammonium dihydrogen orthophosphate, Cat. No			
154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia	153.		Sigma	Sigma	
155. L-Methionine, Cat. No. TC080, 100 GM  156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. No. Himedia  ML118-500ML  Himedia  Himedia  1  1					
156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No. ML118-500MLHimediaHimedia					
157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson1 Pk158.Tris-EDTA buffer solution pH 7.0, Cat. No.HimediaHimediaML118-500ML1		Sodium Phosphate Dibasic Dihydrate, 500 gm,			
158. Tris-EDTA buffer solution pH 7.0, Cat. No. Himedia Himedia 1	157		Tarson	Tarson	
		Tris-EDTA buffer solution pH 7.0, Cat. No.			
	159.	DTT, Cat. No. MB070, 5 gm	Himedia	Himedia	1



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160.	Peptone Bacteriological, Cat No RM001-500G	Himedia	Himedia	1
161.	Sodium molybdate, Cat. No. 243655-100G	Sigma	Sigma	1
162.	DNA extraction kit, Cat. No MB505-250PR	Himedia	Himedia	1
163.	Thiamine HCI, Cat. No. CMS182-25G	Himedia	Himedia	2
164.	RNASE A, Cat. No. 10109142001, Make: Sigma	Sigma	Sigma	2
165.	PCR Purification Kit, Cat. No. 28104	QIAGEN	QIAGEN	2
166.	Isopropanol, Cat. No. AS067, 500 ml	Himedia	Himedia	1
167.	Ethyl acetate, Cat. No. 270989-2L	Sigma	Sigma	1
168.	Proteinase K, Cat. No. P4032-5G	Sigma	Sigma	1
169.	24 well plates, 50/Pk, Cat. No. 980030	Tarson	Tarson	1 Pk
170.	PVP, Cat. No. P2037-500G	Sigma	Sigma	1
171.	PVPP, Cat. No. 1073020100	Merck	Merck	1
172.	L-Methionine, Cat. No. 1057070025	Sigma	Sigma	1
173.	GSSG, Cat. No. G4626-1G	Sigma	Sigma	1
174.	NADH, Cat. No. 10128023001	Sigma	Sigma	2
175.	DAB substrate, Cat. No. 11718096001	Sigma	Sigma	2
176.	DTNB, Cat. No. D8130-10G	Sigma	Sigma	1
177.	2,6-dichlorophenolindophenol (DCPIP), Cat. No.	Sigma	Sigma	1
	D1878-5G		3	
178.	Ferric chloride, Cat. No. 157740-100G	Sigma	Sigma	1
179.	Potassium ferri cyanide, Cat. No. 702587-250G	Sigma	Sigma	1
180.	Sodium azide, Cat. No. S8032-100G	Sigma	Sigma	1
181.	NADPH, Cat. No. 10107824001, Make: Sigma	Sigma	Sigma	1
182.	Sodium carbonate (Na2CO3), Cat. No. 223530-	Sigma	Sigma	1
	500G	3	3 3	
183.	DMSO, Cat. No. MB058-500ML	Himedia	Himedia	4
184.	Acetone, Cat. No. 650501-1L	Himedia	Himedia	3
185.	Buffer capsule pH 4.0, Cat. No. LA405	Himedia	Himedia	2
186.	Buffer capsule pH 7.0, Cat. No. LA406	Himedia	Himedia	2
187.	Buffer capsule pH 9.2, Cat. No. LA407	Himedia	Himedia	2
188.	Hanna electrode cleaning and storage solution	Sigma	Sigma	1
	Cat. No. Z655163-460ML		Ü	
189.	Hanna electrode cleaning and storage solution	Sigma	Sigma	1
	Inorganic cleaning, Cat. No. Z655198-460ML		Ü	
190.	Aminoguanidine hydrochloride, Cat. No. 1937195-	Sigma	Sigma	1
	25GM		-	
191.	Ammonium acetate (NH4OAc), Cat. No. 2145-	Sigma	Sigma	1
	1KG			
192.	Tetramethyl piperidinooxy, Cat. No. 412686-1G	Sigma	Sigma	1
193.	Lanthanum (III) chloride (LaCl3), Cat. No. 211605-	Sigma	Sigma	1
	100G			
194.	Potassium chloride (KCI), Cat. No. MB043-500GM	Himedia	Himedia	2
195.	Diphenylene iodonium chloride, Cat. No. 300260-	Sigma	Sigma	1
	10MG			
196.	PMSF, Cat. No. 11359061001	Sigma	Sigma	1
197.	Sucrose, Cat. No. MB025-500GM	Himedia	Himedia	1
198.	Triton X-100, Cat. No. X100-500ML	Himedia	Himedia	1
199.	Urea, Cat. No. GRM3976-500GM	Himedia	Himedia	1
200.	Di Potassium hydrogen phosphate, Cat. No. GRM168-500GM	Himedia	Himedia	1
201.	Copper (II) sulphate pentahydrate, Cat. No. PCT0104	Himedia	Himedia	1
202.	Di sodium hydrogen orthophosphate, Cat. No. GRM1417-500GM	Himedia	Himedia	1
L		1		



203.	Ferrous sulphate, Cat. No. GRM1377-500GM	Himedia	Himedia	1
204.	Potassium sulphate, Cat. No. PCT0011-500GM	Himedia	Himedia	1
205.	Magnesium chloride, Cat. No. MB237-500GM	Himedia	Himedia	1
206.	Magnesium sulphate Heptahydrate, Cat. No. PCT0008-1KG	Himedia	Himedia	1
207.	Manganese chloride, Cat. No. PCT0112-500GM	Himedia	Himedia	1
208.	Nitrocellulose Pre-cut blotting membrane 0.45 µm,	Thermo	Thermo	2 Pk
	Cat. No. LC2000, Make: Thermo Fisher	Fisher	Fisher	
209.	PEG MW6000, Cat. No. MB149-500GM	Himedia	Himedia	8
210.	Whatman filter paper	Whtaman	Whtaman	2 pk.
211.	NuPage transfer buffer 20X, Cat.No. NP0006-1L	Thermo	Thermo	1
		Fisher	Fisher	
212.	Glutaraldehyde solution (25%), Cat. No. MB222-	Himedia	Himedia	
	100ML			1
213.	NBT, Cat. No. MB107-1G	Himedia	Himedia	4
214.	Purple nitrile gloves (Medium), Cat. No. 370020	Tarson	Tarson	5 pK
215.	Muslin cloth (16 mt.)	Local	Local	4 pk.
216.	Diethyl dithiocarbamate, Cat. No. 228680-100GM	Sigma	Sigma	2 Pk.
217.	Calcium Nitrate 500gm, Cat.No. GRM496	Himedia	Himedia	3 Pk.
218.	Quartz Cuvette	Borosil	Borosil	3
219.	Glass Cuvette	Borosil	Borosil	10

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### Annexure 'C'

## List of items required for "Environmental Science Lab"

## (Glassware/Plasticware)

SI No	Name of Items	Capacity	Make /Manufacturer	Qty.
1	Flask Volumetric	50 ml	Duran/Reviera	60 pcs.
2	Flask Volumetric Amber	1000 ml	Duran/Reviera	10 Pcs.
3	Flask Volumetric	1000 ml	Duran/Reviera	10 Pcs.
4	Watch Glass	small	Duran/Reviera	40 pcs.
5	Separatory funnel	1000 ml	Duran/Reviera	3 Pcs.
6	Beaker	50 ml	Duran/Reviera	50 pcs.
7	Measuring cylinder	500 ml	Duran/Reviera	10 Pcs.
8	Measuring cylinder	1000 ml	Duran/Reviera	5 pcs.
9	Crystallizing disc	300ml	Duran/Reviera	50 pcs.
10	Crystallizing disc 900ml	900 ml	Duran/Reviera	20 pcs.
11	Filtration assembly with pump	250 ml.	Tarson	2 pcs.
12	Silica Crucible small 25ml	25 ml	Duran/Reviera	50 pcs.
13	Crucible Quartz small 25ml	26 ml	Duran/Reviera	50 pcs.
14	pH Meter Pen type	(pHTest 20)	Duran/Reviera	10 Pcs.
15	Fin Pipette	100-1000ul	Duran/Reviera	5 pcs.
16	EC meter		Duran/Reviera	10 Pcs.
17	Beaker plastic	5000 ml	Abdos	5 pcs.
18	Burette stand		Abdos	15pcs.
19	Burette clamp		Abdos	12pcs.
20	Sedgewick Rafter Cell	01 pc	Duran/Reviera	1 pc.
21	Cavity block 50mm	50 mm	Duran/Reviera	50 pcs.
22	Cuvette plastic 10 mm	1.5 ml	Duran/Reviera	1 pkt (1000no)
23	Motor pistal large	Large	Any make	5 pcs.
24	Soil Hydrometer		Any make	5 pcs.
25	Thermometer	100 degree	Any make	10Pcs.
26	CENTRIFUGE TUBE (50 ML) Plastic	50 ml.	Tarson	500 pcs
27	CENTRIFUGE TUBE ) Plastic	25 ml.	Tarson	500 Pcs.
28	Spatula (Semi Micro)		Borosil	10 Pcs.



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#### Chemicals

SI. No.	Name of Chemicals	Make / Manufacturer	Quantity
1	Acetone	Merck/Fisher/Himedia	2500 ml. x 4
2	2,4 heptadienal	Sigma	1 gm x 1
3	2,4 Octadienal	Sigma	100 gm. X 1
4	Almunium potasium sulphate	Merck/Fisher/Himedia	500gm.x1
5	Acapose	Merck/Fisher/Himedia	500 gm. x1
6 7	AGAROSE LE Ammonia solution	Merck/Fisher/Himedia Merck/Fisher/Himedia	500 gm.x1 500 ml. x5
8	Ammonium molybdate	Merck/Fisher/Himedia	500 mi. x3
9	Ammonium Acetate	Merck/Fisher/Himedia	500 gm. x1
10	Ammonium Ceric Nitrate	Merck/Fisher/Himedia	500gm. x1
11	Ammonium chloride	Merck/Fisher/Himedia	500 gm. x2
12	Ammonium Dihydrogen phosphate	Merck/Fisher/Himedia	500 gm. x1
13	Ammonium ferrous sulphate	Merck/Fisher/Himedia	500 gm .x 5
14	Ammonium nickel Sulphate	Merck/Fisher/Himedia	500 gm. x1
15	Ammonium Perporate	Merck/Fisher/Himedia	25gm.x1
16	Ammonium Sulphate	Merck/Fisher/Himedia	500 gm. x1
17	Anthron GR	Merck/Fisher/Himedia	100 gm. x 1
18	Arsenic trioxide	Merck/Fisher/Himedia	500 gm. x1
19	Barium Chloride	Merck/Fisher/Himedia	500 gm. X1
20	B-estradiol	Merck/Fisher/Himedia	1 gm.x 1
21	BG11	Merck/Fisher/Himedia	500 gm.x1
22	Bio-chemical Test Kit	Merck/Fisher/Himedia	04 pkt (20kits each)
23	Calciaum Nitrate	Merck/Fisher/Himedia	500gm. x1
24	Calcium Carbonate	Merck/Fisher/Himedia	500 gm. x1
25	Calcium phosphate	Merck/Fisher/Himedia	500 gm.x1
26	CDTA	Himedia	100gm.x1
27	Chlorotrimethylsilane	Merck/Fisher/Himedia	500 ml. x1
28	Citric acid	Merck/Fisher/Himedia	1000 gm. x1
29	Colambia CNA Agar	Himedia	500 gm.x1
30	Copper sulphate	Merck/Fisher/Himedia	500 gm. x1
31	SYBRGreen JumpStart Taq ReadyMix	Merck	1Pkt of 100 Reac.
32	DCM(Dichloro-methane)	Himedia	500ml. X2
33	Dextrose monohydrate	Merck/Fisher/Himedia	500 gm.x 1
34	D-Galactose	Merck/Fisher/Himedia	250 gm.x1
35	Diacetyle fluorocine	Merck/Fisher/Himedia	5 gm. x1
36	DiPotassium hydrogen phosphate	Merck/Fisher/Himedia	500 gm.x 1
37	Disodium hydrogen orthophosphate	Merck/Fisher/Himedia	500 gm.x 1



38	DURHAM'S TUBE	Manala/Cialace/UP P	
	DURHAM STUDE	Merck/Fisher/Himedia	5 pkt
39	EDTA DiSodium Salt	Merck/Fisher/Himedia	500 gm. x4
40	EDTA Pure	Merck/Fisher/Himedia	500gm. x1
41	Ethanol Pure	Merck/Fisher/Himedia	500mlx 10
42	Ethyle Acetate	Merck/Fisher/Himedia	500 ml X 2
43	Feroine Indicator	Merck/Fisher/Himedia	125 ml. x4
44	Ferric sulphate	Merck/Fisher/Himedia	500 gm. x1
45	FILTER PAPER 100 mm	Merck/Fisher/Himedia	10 pkt
46	Flukonazole salt	Merck/Fisher/Himedia	10 dics
47	Glucose	Merck/Fisher/Himedia	500 gm. x 1
48	GRAM STAINING KIT	Merck/Fisher/Himedia	4 kit
49	Heptadanial	Merck/Fisher/Himedia	1EA
50	Hydrochloric Acid	Merck/Fisher/Himedia	500 ml. x10
51	Hydrogen Peroxide	Merck/Fisher/Himedia	500 ml. x10
52	HYDROGEN PEROXIDE conc	Merck/Fisher/Himedia	500 ml x10
53	Isoamyl Alcohol	Merck/Fisher/Himedia	500 ml. x 1
54	Itrokonazole salt	Merck/Fisher/Himedia	10 dics.
55	KetaKonazole salt	Merck/Fisher/Himedia	10 dics.
56	Laboline	Merck/Fisher/Himedia	5 ltr x3
57	Lactose	Merck/Fisher/Himedia	1000 gm. x1
58	LURIA BERTANI BROTH	Merck/Fisher/Himedia	500 gm. x2
59	Lysozyme	Himedia	5gm.x1
60	M9 MINIMAL MEDIA	Merck/Fisher/Himedia	500 gm.x 2
61	MACCONKEY'S AGAR	Merck/Fisher/Himedia	500 gm. X1
62	Magnassium Chloride	Merck/Fisher/Himedia	500 gm.x1
63	Mangnaous chloride	Merck/Fisher/Himedia	1000 gm. x1
64	Mangnease II sulphate(Magnaous sulphate)	Merck/Fisher/Himedia	500 gm. x1
65	Mangnease sulphate monohydrate	Merck/Fisher/Himedia	500 gm. x1
66	Mercury Chloride	Merck/Fisher/Himedia	100 gm. x1
67	Mercury Sulphate	Merck/Fisher/Himedia	100 gm. x 2
68	Meta Genomic Test Kit	Merck/Fisher/Himedia	2Kit
69	Methanol	Merck/Fisher/Himedia	4 Liter. x1.
70	Methyl Blue	Merck/Fisher/Himedia	25gm.x1
71	Methyl Bromide	Merck/Fisher/Himedia	100 ml. x 1
72	Methyl Orange	Merck/Fisher/Himedia	25 gm. x 2
73	Microcystin LR Solution	Merck/Fisher/Himedia	210ug. X 5
74	N,O-Bis(trimethylsilyl)trifluoracetamide	Merck/Fisher/Himedia	25 gm. X 1



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75	Neutral Red AR	Merck/Fisher/Himedia	100 gm. x 1
76	Nickle Nitrate	Merck/Fisher/Himedia	500 gm. x1
77	NILE RED (FLUROSCENT)	Merck/Fisher/Himedia	1 gm. X 5
78	N-Lauryl surcosine Sodium Salt	Merck/Fisher/Himedia	100 gm. x 1
79	Nodularine	Merck/Fisher/Himedia	250 ug. x 1
80	Nutrient Agar	Merck/Fisher/Himedia	500 gm. X 2
81	Nutrient Broth	Merck/Fisher/Himedia	500 gm. X 3
82	Nyle Red	Merck/Fisher/Himedia	1 gm. x 1
83	Nystatin salt	Merck/Fisher/Himedia	8 pkt
85	Octadienial	Merck/Fisher/Himedia	100 gm. 1
86	Perchloric Acid	Merck/Fisher/Himedia	500 ml. x 5
87	Poly carbonate black Filter pore size 10um	Merck/Fisher/Himedia	1Pkt
88	poly carbonate black Filter pore size 20um	Merck/Fisher/Himedia	1 pkt
89	Potasium Chloroplatinate	Merck/Fisher/Himedia	1 gm. x 1
90	Potasium hydrogen Carbonate(bicarbonate)	Merck/Fisher/Himedia	500 gm. x 1
91	Potassium Sulphate	Merck/Fisher/Himedia	500 gm. x1
92	Potassium acetate	Merck/Fisher/Himedia	500 gm. x 1
93	Potassium Aluminium sulphate Dihydrate	Merck/Fisher/Himedia	500 gm. x 1
94	Potassium antimony tartrate	Merck/Fisher/Himedia	250 gm. x 1
95	Potassium Bromide	Merck/Fisher/Himedia	500 gm. x 1
96	Potassium Chloro-platinate	Merck/Fisher/Himedia	1 gm. X 5
97	Potassium Chromate	Merck/Fisher/Himedia	500 gm. x 1
98	Potassium Dihydrogen Phosphate	Merck/Fisher/Himedia	500 gm. x1
99	Potassium Hexacynoferrate II	Merck/Fisher/Himedia	500 gm. x 1
100	Potassium hydrogen Phosphate anhydrous	Merck/Fisher/Himedia	500 gm. x1
101	Potassium hydrogen Sulphate	Merck/Fisher/Himedia	500 gm. x 1
102	Potassium Hydroxide	Merck/Fisher/Himedia	500 gm. X 1
103	PROTENASE K	Merck/Fisher/Himedia	5 pkt of 100mg
104	Protinase K	Himedia	100mgx3
105	Rnase A(Dnase free)	Himedia	100mgx1
106	Salt A china	Merck/Fisher/Himedia	500 ml. x 20
107	Silver Sulphate	Merck/Fisher/Himedia	25 gm. x10
108	Sodium Acetate	Merck/Fisher/Himedia	500 gm. x 1
109	Sodium Azide	Merck/Fisher/Himedia	500 gm. x 1



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110	Sodium Chloride	Merck/Fisher/Himedia	1000 gm.
111	Sodium Citrate	Merck/Fisher/Himedia	100 gm. x 2
112	Sodium Dihydrogen Orthophosphate	Merck/Fisher/Himedia	500 gm.x 1
113	Sodium Disulphite(Sodium metabisulphide)	Merck/Fisher/Himedia	500 gm. x 1
114	Sodium Fluoride	Merck/Fisher/Himedia	500 gm. x 1
115	Sodium Hexametaphosphate	Merck/Fisher/Himedia	500 gm .x2
116	Sodium Hydrogen Carbonate (Bicarbonate)	Merck/Fisher/Himedia	500 gm.x1
117	Sodium Hydroxide	Merck/Fisher/Himedia	500 gm.x4
118	Sodium Hypochlorite	Merck/Fisher/Himedia	500 ml.x1
119	Sodium Iodide	Merck/Fisher/Himedia	500 gm.x1
120	Sodium Phosphate	Merck/Fisher/Himedia	500 gm.x2
121	Sodium Tetra Borate	Merck/Fisher/Himedia	500 gm x2
122	Spand GR	Merck/Fisher/Himedia	25 gm.x1
123	Sprit	Any Make	500ml.x10
124	Staptomycine	Merck/Fisher/Himedia	25 gm.x1
125	Sucrose	Merck/Fisher/Himedia	500 gm.x1
126	SulPhuric acid	Merck/Fisher/Himedia	500 ml.x20
127	TES Buffer	Himedia	100gm.x1
128	Thymol Blue	Merck/Fisher/Himedia	25 gm.x1
129	Tris Base	Himedia	500gm.x2
130	Streptomycine tetracycline salt	Himedia	25gm.x1
131	Penciline salt	Himedia	10mux1
132	Micro Plastic (Polystyrene) Code 72986-5ML-F	Merck	1 Pc. (5 ml.)
133	Filter paper no-41	Whatman	5 Packet
134	Filter Paper 47 mm	Merck	10 pkt

### Other Items

SI No.	Name of items	Make / Manufacturer	Qty.
1	pH paper 1-14	Himedia	5 pkt
2	Cotton non absorbent	Any Make	5 pkt
3	Cotton absorbent	Any Make	5 pkt
4	Gauge cloth	Any Make	5 pkt
5	Tissue Roll	Any Make	100 pcs
6	Kim wipe tissue	Abdos	5 pkt



7	Aluminium foil	Any Make	5 kg
8	Syringe 1 ml	Any Make	1 pkt
9	Syringe 5 ml	Any Make	1 pkt
10	Syringe 10 ml	Any Make	1 pkt
11	Tub plastic large	Any Make	5 pcs
12	Test tube brush	Any Make	10 pcs
13	Angle brush	Any Make	10 pcs
14	Tray plastic	Any Make	10 pcs
15	Zip bag 250 gm	Any Make	10 pkt
16	Zip bag 500 gm	Any Make	10 pkt
17	Zip bag 1000 gm	Any Make	10 pkt
18	Pipet bulb small	Abdos	25 PCS.
19	Slide Box	Abdos	20 Pkt.
20	Mask	Any Make	05 Pkt.
21	Acid Proof gloves (elbow)	Any Make	05 Pair
22	Acid Proof Appron	Any Make	05 pc.

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#### Annexure 'D'

## List of items required for "Physics Lab"

SI.			
No.	Chemical/Consumable name	Manufacturer	Quantity
1	Iron Oxide (Purity 99.9%)	(Merck)	500g
2	Copper Oxide (Purity 99.9%)	(Merck)	200g
3	Zinc Oxide (Purity 99.9%)	(Merck)	200g
4	Titanium Oxide (Purity 99.9%)	(Merck)	200g
5	Nickel Oxide (Purity 99.9%)	(Merck)	200g
6	Zirconium Carbide (Purity 99.9%)	(Merck)	100g
7	Titanium Carbide (Purity 99.9%)	(Merck)	100g
8	Neodymium Carbide (Purity 99.9%)	(Merck)	100g
9	Silicon Carbide (Purity 99.9%)	(Merck)	250g
10	Tantalum Carbide (Purity 99.9%)	(Merck)	10g
11	Acetone (AR Grade)	(SRL)	5L
12	Toluene	(SRL)	2.5L
13	Iron Nitride (Purity 99%)	(SRL)	100g
14	Copper Nitride (Purity 99%)	(SRL)	100g
15	Zinc Nitride (Purity 99%)	(SRL)	100g
16	Titanium Nitride (Purity 99%)	(SRL)	100g
17	Nickel Nitride (Purity 99%)	(SRL)	100g
18	Liquid Nitrogen	Chemix spacility gas equipament	400L
19	Argon (Purity 99.99%) filled Cylinder (45L)	очино	1
20	Argon (Commercial Grade) filled Cylinder (45L)	Chemix spacility gas equipament	1
21	Freon (R134a)		20Kg
22	Hydrogen Filled Cylinder (50L, 99.99%)	Chemix spacility gas equipament	1
23	Nitrogen Filled Cylinder (Commercial Grade)	Chemix spacility gas equipament	1
24	Soldering Wire	(Merck)	100gm roll
25	Soldering Flux		1
26	Silver Conducting Paste (20g)	(Techinstro)	2
27	Carbon Tape (20 m length)	(Sigma Aldrich)	1 Rolls
28	Ferrous Cloride (99%, 10g)	(Sigma Aldrich)	25gm
29	Methanol (AR Grade)	(Sigma Aldrich)	1L

Triglycine Sulphate(TGS) (Purity 99%)	THE REAL PROPERTY.	Post- Fatehpur, P.S- Tekari, District- G	· · · · · · · · · · · · · · · · · · ·	236
31 PVDF		Triglycine Sulphate(TGS) (Purity 99%)	(Sigma Aldrich)	
32   TrFE	30			100gm roll
Dimethyl Sulfoxide (Code: D4540-1L) (Sigma   Sigma Aldrich)   1L	31	PVDF	(Sigma Aldrich)	1 Rolls
33   Aldrich   1-Octanol (Code: 293245-1L) (Sigma Aldrich)	32		(Sigma Aldrich)	
1-Octanol (Code: 293245-1L) (Sigma Aldrich)	22	, , , ,	(Ciaras a Aldriah)	41
Pentacontane (Code: 76491-250MG) (Sigma   Sigma Aldrich)   250mg		,		
35         Aldrich)         (Sigma Aldrich)         250mg           36         Octadecane (Code: O652-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           37         Trimesic acid (Code: 482749-100G) (Sigma Aldrich)         (Sigma Aldrich)         100g           38         Phenyloctane (Code: 113190-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           H-Phthalocyanine(Code: 253103-5G) (Sigma         (Sigma Aldrich)         5g           40         Cobalt(II) phthalocyanine (Code: 307696-1G)         (Sigma Aldrich)         1g           41         Bi(NO <sub>3</sub> ) <sub>3</sub> -5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>2</sub> -9H <sub>2</sub> O (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> -5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           46         glacial acetic acid (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceto	34		(Sigma Aldrich)	1L
37         Trimesic acid (Code: 482749-100G) (Sigma Aldrich)         (Sigma Aldrich)         100g           38         Phenyloctane (Code: 113190-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           H-Phthalocyanine(Code: 253103-5G) (Sigma Aldrich)         (Sigma Aldrich)         5g           40         Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           41         Bi(NO <sub>3</sub> ) <sub>3</sub> -5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>3</sub> -9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500 mL           44         Aceticanhydride (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> -5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           46         glacial acetic acid (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL	35		(Sigma Aldrich)	250mg
38         Phenyloctane (Code: 113190-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           H-Phthalocyanine (Code: 253103-5G) (Sigma Aldrich)         (Sigma Aldrich)         5g           40         Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           41         Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500 mL           44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>2</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50mL           47         Propanol (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (110) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces	36	Octadecane (Code: O652-25G) (Sigma Aldrich)	(Sigma Aldrich)	
38         Phenyloctane (Code: 113190-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           H-Phthalocyanine (Code: 253103-5G) (Sigma Aldrich)         (Sigma Aldrich)         5g           40         Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           41         Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500 mL           44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>2</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50mL           47         Propanol (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (110) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces			, ,	
H-Phthalocyanine(Code: 253103-5G) (Sigma Aldrich)   5g	37	Trimesic acid (Code: 482749-100G) (Sigma Aldrich)	(Sigma Aldrich)	100g
Aldrich   Cobalt(II) phthalocyanine (Code: 307696-1G)   (Sigma Aldrich)   1g	38	Phenyloctane (Code: 113190-25G) (Sigma Aldrich)	(Sigma Aldrich)	25g
39         Aldrich)         Sg           40         Cobalt(II) phthalocyanine (Code: 307696-1G)         (Sigma Aldrich)         1g           41         Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         100mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         100mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         250omL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)		, , ,	(Sigma Aldrich)	_
Sigma Aldrich   Sigma Aldric	39	•	(= 3 = = = ,	5g
41         Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> .9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54	40		(Sigma Aldrich)	1g
42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich) </td <td></td> <td>(Olgina Alanon)</td> <td></td> <td></td>		(Olgina Alanon)		
42         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         500 g           43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich) </td <td></td> <td></td> <td></td> <td></td>				
43         2-methoxyethanol (Purity 99.8%) (Sigma Aldrich)         500mL           44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)			, , ,	
44         Aceticanhydride (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> -9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldr			· · · · · · · · · · · · · · · · · · ·	_
45         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           57         FeSi <sub>2</sub> (Purity 99.%) (Sigma Aldrich) </td <td></td> <td>, , , , , , , , , , , , , , , , , , , ,</td> <td>` • •</td> <td></td>		, , , , , , , , , , , , , , , , , , , ,	` • •	
46         glacial acetic acid (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.%) (Sigma Aldrich)         (Sig				500mL
47         Propanol (Purity 99.5%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 98.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Al	45	La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	100g
48         Aceton (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         1000mL           49         Di Water (Sigma Aldrich)         (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldr	46	glacial acetic acid (Purity 99.8%) (Sigma Aldrich)	(Sigma Aldrich)	500mL
49         Di Water (Sigma Aldrich)         2500mL           50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           64 <td>47</td> <td>Propanol (Purity 99.5%) (Sigma Aldrich)</td> <td>(Sigma Aldrich)</td> <td>1000mL</td>	47	Propanol (Purity 99.5%) (Sigma Aldrich)	(Sigma Aldrich)	1000mL
50         Si wafer (111) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6	48	Aceton (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	1000mL
51         Si wafer (100) (Sigma Aldrich)         (Sigma Aldrich)         2 Pieces           52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	49	Di Water (Sigma Aldrich)	(Sigma Aldrich)	2500mL
52         V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	50	Si wafer (111) (Sigma Aldrich)	(Sigma Aldrich)	2 Pieces
53         Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           54         Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500g           55         FeSi (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g           56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	51	Si wafer (100) (Sigma Aldrich)	(Sigma Aldrich)	2 Pieces
54Cr2O3 (Purity 98%) (Sigma Aldrich)(Sigma Aldrich)500g55FeSi (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)100g56Au Powder (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)5g57FeSi2 (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)50g58Fe (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)500g59Ge Powder (Purity 99.8%) (Sigma Aldrich)(Sigma Aldrich)500g60Si Powder (Purity 99%) (Sigma Aldrich)(Sigma Aldrich)500g61Co Powder (Purity 99%) (Sigma Aldrich)(Sigma Aldrich)500g62Beaker (200mL)BORoShell663Beaker (500mL)BORoShell664Measuring Cylinder (50, 100, 200, 500mL)BORoShell1 each	52	V <sub>2</sub> O <sub>5</sub> (Purity 99.8%) (Sigma Aldrich)	(Sigma Aldrich)	500g
55FeSi (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)100g56Au Powder (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)5g57FeSi2 (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)50g58Fe (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)500g59Ge Powder (Purity 99.8%) (Sigma Aldrich)(Sigma Aldrich)500g60Si Powder (Purity 99%) (Sigma Aldrich)(Sigma Aldrich)500g61Co Powder (Purity 99%) (Sigma Aldrich)(Sigma Aldrich)500g62Beaker (200mL)BORoShell663Beaker (500mL)BORoShell664Measuring Cylinder (50, 100, 200, 500mL)BORoShell1 each	53	Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich)	(Sigma Aldrich)	500g
56         Au Powder (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         5g           57         FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	54	Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma Aldrich)	(Sigma Aldrich)	500g
57         FeSi₂ (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         50g           58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	55	FeSi (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	100g
58         Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	56	Au Powder (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	5g
59         Ge Powder (Purity 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500g           60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	57	FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	50g
60         Si Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	58	Fe (Purity 99.9%) (Sigma Aldrich)	(Sigma Aldrich)	500g
61         Co Powder (Purity 99%) (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	59	Ge Powder (Purity 99.8%) (Sigma Aldrich)	(Sigma Aldrich)	500g
62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	60	Si Powder (Purity 99%) (Sigma Aldrich)	(Sigma Aldrich)	500g
62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	61	Co Powder (Purity 99%) (Sigma Aldrich)	(Sigma Aldrich)	500g
63         Beaker (500mL)         BORoShell         6           64         Measuring Cylinder (50, 100, 200, 500mL)         BORoShell         1 each	62	Beaker (200mL)	BORoShell	6
64 Measuring Cylinder (50, 100, 200, 500mL) BORoShell 1 each	63	, ,		6
		·		1 each
	65			



66	Si Boat (5 inch)		3
67	Torch for Optics Lab (LED)		10
68	Pencil Diamond Cutter	(Sigma Aldrich)	10
69	Soldering Iron (amiciTools 90W)	amiciTools	1
70	Okayji Iron LED Magnifying Soldering Stand	Okayji	1
71	Copper Clad Sheet (6 inch X 4 inch, Single-sided)	(Kapoor Scientific Ambala)	10
72	Plano-convex Lens (Focal Length 20 cm)	(Kapoor Scientific Ambala)	5
73	Biprism	(Kapoor Scientific Ambala)	5
74	Decade Resistor	(RISHIL WORLD)	3
75	IC (7400)	electroschematics	10
76	IC (7402)	electroschematics	10
77	IC (7404)	electroschematics	10
78	IC (7407)	electroschematics	10
79	IC (7408)	electroschematics	10
80	IC (7414)	Electroschematics	10
81	IC (7432)	Electroschematics	10
82	IC (7474)	Electroschematics	10
83	IC (7476)	Electroschematics	10
84	IC (7490)	Electroschematics	10
85	IC (7486)	Electroschematics	10
86	IC (7493)	Electroschematics	10
87	IC (74151)	Electroschematics	10
88	IC (74154)	Electroschematics	10
89	IC (74244)	Electroschematics	10
90	IC (ADC0804)	National Instruments	10
91	IC (74138)	National Instruments	10
92	IC (7447)	National Instruments	10
93	IC (7448)	National Instruments	10
94	IC (4010)	National Instruments	10
95	IC (NE592)	National Instruments	10
96	IC (LM35)	National Instruments	10
97	IC (TSOP1738)	National Instruments	10
98	IC (LM555)	National Instruments	10
99	IC (LM317)	National Instruments	10
100	IC (40106)	National Instruments	10
101	IC (TL084)	National Instruments	10
102	IC (OP7171)	National Instruments	10
103	IC (LM324)	National Instruments	10



104   IC (LM393)   National Instruments   10     105   IC (LM565)   National Instruments   10     106   IC (AD595)   National Instruments   5     107   Transistor (BC547)   National Instruments   5     108   Transistor (BC548)   National Instruments   30     109   Transistor (TP122)   National Instruments   30     110   Transistor (TP122)   National Instruments   30     111   Resistor (T00Ω)   National Instruments   100     112   Resistor (330Ω)   National Instruments   100     113   Resistor (470Ω)   National Instruments   100     114   Resistor (470Ω)   National Instruments   100     115   Resistor (12   National Instruments   100     116   Resistor (12   National Instruments   100     117   Resistor (2   National Instruments   100     118   Resistor (2   National Instruments   100     119   Resistor (2   National Instruments   100     110   Resistor (2   National Instruments   100     111   Resistor (2   National Instruments   100     112   Resistor (2   National Instruments   100     113   Resistor (2   National Instruments   100     114   Resistor (2   National Instruments   100     115   Resistor (2   National Instruments   100     116   Resistor (3   National Instruments   100     117   Resistor (4   National Instruments   100     118   Resistor (5   NCQ)   National Instruments   100     120   Resistor (5   NCQ)   National Instruments   100     121   Resistor (5   NCQ)   National Instruments   100     122   Resistor (5   NCQ)   National Instruments   100     123   Resistor (5   NCQ)   National Instruments   100     124   Resistor (5   NCQ)   National Instruments   100     125   Resistor (5   NCQ)   National Instruments   100     126   Resistor (10   NCQ)   National Instruments   100     127   Resistor (10   NCQ)   National Instruments   100     128   Resistor (10   NCQ)   National Instruments   100     129   Resistor (10   NCQ)   National Instruments   100     130   Resistor (10   NCQ)   National Instruments   100     131   Resistor (10   NCQ)   National Instruments   100     132   Resistor (10   NCQ)		Tool Tateripar, 1.0 Tellari, Diotriol C	baya (2111ai) i ii 02 i 2	
106   IC (AD595)   National Instruments   5     107   Transistor (BC547)   National Instruments   50     108   Transistor (EC548)   National Instruments   30     109   Transistor (TIP122)   National Instruments   30     110   Transistor (TIP122)   National Instruments   20     111   Resistor (100Ω)   National Instruments   100     112   Resistor (330Ω)   National Instruments   100     113   Resistor (470Ω)   National Instruments   100     114   Resistor (1KΩ)   National Instruments   100     115   Resistor (12KΩ)   National Instruments   100     116   Resistor (2KΩ)   National Instruments   100     117   Resistor (2.2KΩ)   National Instruments   100     118   Resistor (2.2KΩ)   National Instruments   100     119   Resistor (2.2KΩ)   National Instruments   100     119   Resistor (4.2KΩ)   National Instruments   100     110   Resistor (4.2KΩ)   National Instruments   100     111   Resistor (4.2KΩ)   National Instruments   100     112   Resistor (4.2KΩ)   National Instruments   100     120   Resistor (6.2KΩ)   National Instruments   100     121   Resistor (6.2KΩ)   National Instruments   100     122   Resistor (6.2KΩ)   National Instruments   100     123   Resistor (2.2KΩ)   National Instruments   100     124   Resistor (2.2KΩ)   National Instruments   100     125   Resistor (6.2KΩ)   National Instruments   100     126   Resistor (6.2KΩ)   National Instruments   100     127   Resistor (6.2KΩ)   National Instruments   100     128   Resistor (6.2KΩ)   National Instruments   100     129   Resistor (6.2KΩ)   National Instruments   100     120   Resistor (6.2KΩ)   National Instruments   100     121   Resistor (6.2KΩ)   National Instruments   100     122   Resistor (6.2KΩ)   National Instruments   100     123   Resistor (6.2KΩ)   National Instruments   100     124   Resistor (6.2KΩ)   National Instruments   100     125   Resistor (6.2KΩ)   National Instruments   100     126   Resistor (6.2KΩ)   National Instruments   100     127   Resistor (6.2KΩ)   National Instruments   100     128   Resistor (6.2KΩ)   National Ins	104	IC (LM393)	National Instruments	10
107         Transistor (BC548)         National Instruments         30           108         Transistor (SD548)         National Instruments         30           109         Transistor (SN2222)         National Instruments         30           110         Transistor (TIP122)         National Instruments         100           111         Resistor (1000)         National Instruments         100           112         Resistor (330Ω)         National Instruments         100           113         Resistor (470Ω)         National Instruments         100           114         Resistor (12KΩ)         National Instruments         100           115         Resistor (2KΩ)         National Instruments         100           116         Resistor (22KΩ)         National Instruments         100           117         Resistor (22KΩ)         National Instruments         100           118         Resistor (25KΩ)         National Instruments         100           119         Resistor (42KΩ)         National Instruments         100           120         Resistor (42KΩ)         National Instruments         100           121         Resistor (10KΩ)         National Instruments         100           122         Resistor (1	105	IC (LM565)	National Instruments	10
108   Transistor (BC548)   National Instruments   30     109   Transistor (2N2222)   National Instruments   30     110   Transistor (TIP122)   National Instruments   20     111   Resistor (100Ω)   National Instruments   100     112   Resistor (330Ω)   National Instruments   100     113   Resistor (470Ω)   National Instruments   100     114   Resistor (1KΩ)   National Instruments   100     115   Resistor (12KΩ)   National Instruments   100     116   Resistor (2KΩ)   National Instruments   100     117   Resistor (2KΩ)   National Instruments   100     118   Resistor (2.2KΩ)   National Instruments   100     119   Resistor (2.2KΩ)   National Instruments   100     110   Resistor (4.2KΩ)   National Instruments   100     111   Resistor (4.2KΩ)   National Instruments   100     112   Resistor (4.2KΩ)   National Instruments   100     121   Resistor (4.2KΩ)   National Instruments   100     122   Resistor (10KΩ)   National Instruments   100     123   Resistor (10KΩ)   National Instruments   100     124   Resistor (22KΩ)   National Instruments   100     125   Resistor (10KΩ)   National Instruments   100     126   Resistor (47KΩ)   National Instruments   100     127   Resistor (470KΩ)   National Instruments   100     128   Resistor (10KΩ)   National Instruments   100     129   Resistor (470KΩ)   National Instruments   100     120   Resistor (10KΩ)   National Instruments   100     121   Resistor (470KΩ)   National Instruments   100     122   Resistor (10MΩ)   National Instruments   100     123   Resistor (10MΩ)   National Instruments   100     124   Capacitor (10F)   National Instruments   100     135   Capacitor (4.4F)   National Instruments   100     136   Capacitor (10F)   National Instruments   100     137   Capacitor (10F)   National Instruments   100     138   Capacitor (10F)   National Instruments   100     140   Capacitor (10F)   National Instruments   100     141   Capacitor (10F)   National Instruments   100     142   Capacitor (10F)   National Instruments   100     144   Capacitor (10F)   National Instruments   1	106	IC (AD595)	National Instruments	5
109         Transistor (2N2222)         National Instruments         30           110         Transistor (TIP122)         National Instruments         20           111         Resistor (100Ω)         National Instruments         100           112         Resistor (330Ω)         National Instruments         100           113         Resistor (470Ω)         National Instruments         100           114         Resistor (1.2KΩ)         National Instruments         100           115         Resistor (1.2KΩ)         National Instruments         100           116         Resistor (2.2KΩ)         National Instruments         100           117         Resistor (2.2KΩ)         National Instruments         100           118         Resistor (2.2KΩ)         National Instruments         100           119         Resistor (4.2KΩ)         National Instruments         100           120         Resistor (4.2KΩ)         National Instruments         100           121         Resistor (5.6KΩ)         National Instruments         100           122         Resistor (10KΩ)         National Instruments         100           123         Resistor (47KΩ)         National Instruments         100           124         Resisto	107	Transistor (BC547)	National Instruments	50
110   Transistor (TIP122)	108	Transistor (BC548)	National Instruments	30
111   Resistor (100Ω)	109	Transistor (2N2222)	National Instruments	30
Resistor (330Ω)   National Instruments   100	110	Transistor (TIP122)	National Instruments	20
113   Resistor (470Ω)	111	Resistor (100Ω)	National Instruments	100
114         Resistor (1ΚΩ)         National Instruments         100           115         Resistor (1.2ΚΩ)         National Instruments         100           116         Resistor (2.2ΚΩ)         National Instruments         100           117         Resistor (2.2ΚΩ)         National Instruments         100           118         Resistor (2.5ΚΩ)         National Instruments         100           119         Resistor (4.2ΚΩ)         National Instruments         100           120         Resistor (4.2ΚΩ)         National Instruments         100           121         Resistor (4.7ΚΩ)         National Instruments         100           122         Resistor (56ΚΩ)         National Instruments         100           123         Resistor (22ΚΩ)         National Instruments         100           124         Resistor (47ΚΩ)         National Instruments         100           125         Resistor (47ΚΩ)         National Instruments         100           126         Resistor (470ΚΩ)         National Instruments         100           127         Resistor (470ΚΩ)         National Instruments         100           128         Resistor (100ΚΩ)         National Instruments         100           129         Resistor (10	112	Resistor (330Ω)	National Instruments	100
115         Resistor (1.2KΩ)         National Instruments         100           116         Resistor (2KΩ)         National Instruments         100           117         Resistor (2.2KΩ)         National Instruments         100           118         Resistor (2.5KΩ)         National Instruments         100           119         Resistor (4.2KΩ)         National Instruments         100           120         Resistor (4.7KΩ)         National Instruments         100           121         Resistor (56KΩ)         National Instruments         100           122         Resistor (10KΩ)         National Instruments         100           123         Resistor (22KΩ)         National Instruments         100           124         Resistor (47KΩ)         National Instruments         100           125         Resistor (56KΩ)         National Instruments         100           126         Resistor (470KΩ)         National Instruments         100           127         Resistor (60KΩ)         National Instruments         100           128         Resistor (1MΩ)         National Instruments         100           129         Resistor (1MΩ)         National Instruments         100           130         Resistor (1MΩ) <td>113</td> <td>Resistor (470Ω)</td> <td>National Instruments</td> <td>100</td>	113	Resistor (470Ω)	National Instruments	100
116         Resistor (2ΚΩ)         National Instruments         100           117         Resistor (2.2ΚΩ)         National Instruments         100           118         Resistor (2.5ΚΩ)         National Instruments         100           119         Resistor (4.2ΚΩ)         National Instruments         100           120         Resistor (4.7ΚΩ)         National Instruments         100           121         Resistor (5.6ΚΩ)         National Instruments         100           122         Resistor (10ΚΩ)         National Instruments         100           123         Resistor (22ΚΩ)         National Instruments         100           124         Resistor (47ΚΩ)         National Instruments         100           125         Resistor (56ΚΩ)         National Instruments         100           126         Resistor (470ΚΩ)         National Instruments         100           127         Resistor (470ΚΩ)         National Instruments         100           128         Resistor (1ΜΩ)         National Instruments         100           129         Resistor (1ΜΩ)         National Instruments         100           130         Resistor (1.2ΜΩ)         National Instruments         100           131         Resistor (1.2MΩ)	114	Resistor (1KΩ)	National Instruments	100
117         Resistor (2.2ΚΩ)         National Instruments         100           118         Resistor (2.5ΚΩ)         National Instruments         100           119         Resistor (4.2ΚΩ)         National Instruments         100           120         Resistor (4.7ΚΩ)         National Instruments         100           121         Resistor (10ΚΩ)         National Instruments         100           122         Resistor (10ΚΩ)         National Instruments         100           123         Resistor (22ΚΩ)         National Instruments         100           124         Resistor (47ΚΩ)         National Instruments         100           125         Resistor (56ΚΩ)         National Instruments         100           126         Resistor (170ΚΩ)         National Instruments         100           127         Resistor (470ΚΩ)         National Instruments         100           128         Resistor (1MΩ)         National Instruments         100           129         Resistor (1MΩ)         National Instruments         100           130         Resistor (1.2ΜΩ)         National Instruments         100           131         Resistor (1.2MΩ)         National Instruments         100           132         Resistor (10MΩ)	115	Resistor (1.2KΩ)	National Instruments	100
118Resistor $(2.5K\Omega)$ National Instruments100119Resistor $(4.2K\Omega)$ National Instruments100120Resistor $(4.7K\Omega)$ National Instruments100121Resistor $(5.6K\Omega)$ National Instruments100122Resistor $(10K\Omega)$ National Instruments100123Resistor $(22K\Omega)$ National Instruments100124Resistor $(47K\Omega)$ National Instruments100125Resistor $(56K\Omega)$ National Instruments100126Resistor $(100K\Omega)$ National Instruments100127Resistor $(470K\Omega)$ National Instruments100128Resistor $(560K\Omega)$ National Instruments100129Resistor $(140M\Omega)$ National Instruments100130Resistor $(1.2M\Omega)$ National Instruments100131Resistor $(4.7M\Omega)$ National Instruments100132Resistor $(5.6M\Omega)$ National Instruments100133Resistor $(10M\Omega)$ National Instruments100134Capacitor $(10M\Omega)$ National Instruments100135Capacitor $(4.4nF)$ National Instruments100136Capacitor $(10nF)$ National Instruments100137Capacitor $(20F)$ National Instruments100138Capacitor $(20F)$ National Instruments100140Capacitor $(20F)$ National Instruments100141Capacitor $(100F)$ National Instruments100<	116	Resistor (2KΩ)	National Instruments	100
119Resistor $(4.2K\Omega)$ National Instruments100120Resistor $(4.7K\Omega)$ National Instruments100121Resistor $(5.6K\Omega)$ National Instruments100122Resistor $(10K\Omega)$ National Instruments100123Resistor $(22K\Omega)$ National Instruments100124Resistor $(47K\Omega)$ National Instruments100125Resistor $(56K\Omega)$ National Instruments100126Resistor $(100K\Omega)$ National Instruments100127Resistor $(470K\Omega)$ National Instruments100128Resistor $(560K\Omega)$ National Instruments100129Resistor $(140\Omega)$ National Instruments100130Resistor $(1.2M\Omega)$ National Instruments100131Resistor $(1.2M\Omega)$ National Instruments100132Resistor $(5.6M\Omega)$ National Instruments100133Resistor $(10M\Omega)$ National Instruments100134Capacitor $(10M\Omega)$ National Instruments100135Capacitor $(4.4nF)$ National Instruments100136Capacitor $(6.8nF)$ National Instruments100137Capacitor $(10nF)$ National Instruments100138Capacitor $(2pF)$ National Instruments100140Capacitor $(2pF)$ National Instruments100141Capacitor $(10pF)$ National Instruments100143Capacitor $(47pF)$ National Instruments100	117	Resistor (2.2KΩ)	National Instruments	100
120Resistor $(4.7K\Omega)$ National Instruments100121Resistor $(5.6K\Omega)$ National Instruments100122Resistor $(10K\Omega)$ National Instruments100123Resistor $(22K\Omega)$ National Instruments100124Resistor $(47K\Omega)$ National Instruments100125Resistor $(56K\Omega)$ National Instruments100126Resistor $(100K\Omega)$ National Instruments100127Resistor $(470K\Omega)$ National Instruments100128Resistor $(560K\Omega)$ National Instruments100129Resistor $(1M\Omega)$ National Instruments100130Resistor $(1.2M\Omega)$ National Instruments100131Resistor $(4.7M\Omega)$ National Instruments100132Resistor $(5.6M\Omega)$ National Instruments100133Resistor $(10M\Omega)$ National Instruments100134Capacitor $(10M\Omega)$ National Instruments100135Capacitor $(4.4nF)$ National Instruments100136Capacitor $(6.8nF)$ National Instruments100137Capacitor $(10nF)$ National Instruments100138Capacitor $(10nF)$ National Instruments100139Capacitor $(2pF)$ National Instruments100140Capacitor $(2pF)$ National Instruments100141Capacitor $(47pF)$ National Instruments100143Capacitor $(47pF)$ National Instruments100<	118	Resistor (2.5KΩ)	National Instruments	100
121         Resistor (5.6KΩ)         National Instruments         100           122         Resistor (10KΩ)         National Instruments         100           123         Resistor (22KΩ)         National Instruments         100           124         Resistor (47KΩ)         National Instruments         100           125         Resistor (56KΩ)         National Instruments         100           126         Resistor (100KΩ)         National Instruments         100           127         Resistor (470KΩ)         National Instruments         100           128         Resistor (470KΩ)         National Instruments         100           129         Resistor (160KΩ)         National Instruments         100           130         Resistor (12MΩ)         National Instruments         100           131         Resistor (4.7MΩ)         National Instruments         100           132         Resistor (5.6MΩ)         National Instruments         100           133         Resistor (10MΩ)         National Instruments         100           134         Capacitor (1nF)         National Instruments         100           135         Capacitor (4.4nF)         National Instruments         100           136         Capacitor (1	119	Resistor (4.2KΩ)	National Instruments	100
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123         Resistor (22ΚΩ)         National Instruments         100           124         Resistor (47ΚΩ)         National Instruments         100           125         Resistor (56ΚΩ)         National Instruments         100           126         Resistor (100ΚΩ)         National Instruments         100           127         Resistor (470ΚΩ)         National Instruments         100           128         Resistor (560ΚΩ)         National Instruments         100           129         Resistor (1MΩ)         National Instruments         100           130         Resistor (1MΩ)         National Instruments         100           131         Resistor (4.7MΩ)         National Instruments         100           132         Resistor (5.6MΩ)         National Instruments         100           133         Resistor (10MΩ)         National Instruments         100           134         Capacitor (1nF)         National Instruments         100           135         Capacitor (4.4nF)         National Instruments         100           136         Capacitor (6.8nF)         National Instruments         100           137         Capacitor (10nF)         National Instruments         100           138         Capacitor (10	121	Resistor (5.6KΩ)	National Instruments	100
124Resistor $(47K\Omega)$ National Instruments100125Resistor $(56K\Omega)$ National Instruments100126Resistor $(100K\Omega)$ National Instruments100127Resistor $(470K\Omega)$ National Instruments100128Resistor $(560K\Omega)$ National Instruments100129Resistor $(1M\Omega)$ National Instruments100130Resistor $(1.2M\Omega)$ National Instruments100131Resistor $(4.7M\Omega)$ National Instruments100132Resistor $(5.6M\Omega)$ National Instruments100133Resistor $(10M\Omega)$ National Instruments100134Capacitor $(10M\Omega)$ National Instruments100135Capacitor $(4.4nF)$ National Instruments100136Capacitor $(6.8nF)$ National Instruments100137Capacitor $(10nF)$ National Instruments100138Capacitor $(10nF)$ National Instruments100139Capacitor $(10nF)$ National Instruments100140Capacitor $(2pF)$ National Instruments100141Capacitor $(2pF)$ National Instruments100142Capacitor $(47pF)$ National Instruments100143Capacitor $(47pF)$ National Instruments100144Capacitor $(100pF)$ National Instruments100	122	Resistor (10KΩ)	National Instruments	100
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126         Resistor (100ΚΩ)         National Instruments         100           127         Resistor (470ΚΩ)         National Instruments         100           128         Resistor (560ΚΩ)         National Instruments         100           129         Resistor (1ΜΩ)         National Instruments         100           130         Resistor (1.2ΜΩ)         National Instruments         100           131         Resistor (4.7ΜΩ)         National Instruments         100           132         Resistor (5.6ΜΩ)         National Instruments         100           133         Resistor (10ΜΩ)         National Instruments         100           134         Capacitor (10ΠF)         National Instruments         100           135         Capacitor (4.4nF)         National Instruments         100           136         Capacitor (6.8nF)         National Instruments         100           137         Capacitor (10nF)         National Instruments         100           138         Capacitor (10nF)         National Instruments         100           139         Capacitor (10nF)         National Instruments         100           140         Capacitor (2pF)         National Instruments         100           141         Capacito	124	Resistor (47KΩ)	National Instruments	100
127Resistor $(470 \text{K}\Omega)$ National Instruments100128Resistor $(560 \text{K}\Omega)$ National Instruments100129Resistor $(1 \text{M}\Omega)$ National Instruments100130Resistor $(1.2 \text{M}\Omega)$ National Instruments100131Resistor $(4.7 \text{M}\Omega)$ National Instruments100132Resistor $(5.6 \text{M}\Omega)$ National Instruments100133Resistor $(10 \text{M}\Omega)$ National Instruments100134Capacitor $(1 \text{nF})$ National Instruments100135Capacitor $(4.4 \text{nF})$ National Instruments100136Capacitor $(6.8 \text{nF})$ National Instruments100137Capacitor $(10 \text{nF})$ National Instruments100138Capacitor $(100 \text{nF})$ National Instruments100139Capacitor $(100 \text{nF})$ National Instruments100140Capacitor $(2 \text{pF})$ National Instruments100141Capacitor $(22 \text{pF})$ National Instruments100142Capacitor $(22 \text{pF})$ National Instruments100143Capacitor $(47 \text{pF})$ National Instruments100144Capacitor $(100 \text{pF})$ National Instruments100144Capacitor $(100 \text{pF})$ National Instruments100	125	Resistor (56KΩ)	National Instruments	100
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129 Resistor (1ΜΩ)         National Instruments         100           130 Resistor (1.2ΜΩ)         National Instruments         100           131 Resistor (4.7ΜΩ)         National Instruments         100           132 Resistor (5.6ΜΩ)         National Instruments         100           133 Resistor (10ΜΩ)         National Instruments         100           134 Capacitor (1nF)         National Instruments         100           135 Capacitor (4.4nF)         National Instruments         100           136 Capacitor (6.8nF)         National Instruments         100           137 Capacitor (10nF)         National Instruments         100           138 Capacitor (10nF)         National Instruments         100           139 Capacitor (10pF)         National Instruments         100           140 Capacitor (2pF)         National Instruments         100           141 Capacitor (10pF)         National Instruments         100           142 Capacitor (22pF)         National Instruments         100           143 Capacitor (47pF)         National Instruments         100           144 Capacitor (100pF)         National Instruments         100	127	Resistor (470KΩ)	National Instruments	100
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131Resistor $(4.7MΩ)$ National Instruments100132Resistor $(5.6MΩ)$ National Instruments100133Resistor $(10MΩ)$ National Instruments100134Capacitor $(1nF)$ National Instruments100135Capacitor $(4.4nF)$ National Instruments100136Capacitor $(6.8nF)$ National Instruments100137Capacitor $(10nF)$ National Instruments100138Capacitor $(100nF)$ National Instruments100139Capacitor $(1pF)$ National Instruments100140Capacitor $(2pF)$ National Instruments100141Capacitor $(10pF)$ National Instruments100142Capacitor $(22pF)$ National Instruments100143Capacitor $(47pF)$ National Instruments100144Capacitor $(100pF)$ National Instruments100144Capacitor $(100pF)$ National Instruments100	129	Resistor (1MΩ)	National Instruments	100
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133Resistor (10ΜΩ)National Instruments100134Capacitor (1nF)National Instruments100135Capacitor (4.4nF)National Instruments100136Capacitor (6.8nF)National Instruments100137Capacitor (10nF)National Instruments100138Capacitor (100nF)National Instruments100139Capacitor (1pF)National Instruments100140Capacitor (2pF)National Instruments100141Capacitor (10pF)National Instruments100142Capacitor (22pF)National Instruments100143Capacitor (47pF)National Instruments100144Capacitor (100pF)National Instruments100	131	Resistor (4.7MΩ)	National Instruments	100
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135Capacitor (4.4nF)National Instruments100136Capacitor (6.8nF)National Instruments100137Capacitor (10nF)National Instruments100138Capacitor (100nF)National Instruments100139Capacitor (1pF)National Instruments100140Capacitor (2pF)National Instruments100141Capacitor (10pF)National Instruments100142Capacitor (22pF)National Instruments100143Capacitor (47pF)National Instruments100144Capacitor (100pF)National Instruments100	133	Resistor (10MΩ)	National Instruments	100
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145 Capacitor (330pF) National Instruments 100	144	Capacitor (100pF)	National Instruments	100
	145	Capacitor (330pF)	National Instruments	100



146	Capacitor (470pF)	National Instruments	100
147	Capacitor (1µF)	National Instruments	40
148	Capacitor (10µF)	National Instruments	40
149	Capacitor (22µF)	National Instruments	40
150	Capacitor (100µF)	National Instruments	40
151	Capacitor (1000µF)	National Instruments	40
152	LED (Red)	National Instruments	100
153	LED (Green)	National Instruments	100
154	LED (Yellow)	National Instruments	100
155	5x7 Diode Matrix Rom	National Instruments	5
156	FnD LED display	National Instruments	50
157	Transformer (12-0-12)	National Instruments	40
158	Transformer (9-0-9)	National Instruments	40
159	Transformer (6-0-6)	National Instruments	40
160	Red Wire - Single Copper Core (Bundle)	National Instruments	2
161	Green Wire - Single Copper Core (Bundle)	National Instruments	2
		National Instruments	2
162	Black Wire - Single Copper Core (Bundle)		
163	Potentiometer (10Ω)	National Instruments	10
164	Potentiometer (47Ω)	National Instruments	10
165	Potentiometer (100Ω)	National Instruments	30
166	Potentiometer (330Ω)	National Instruments	30
167	Potentiometer (470Ω)	National Instruments	30
168	Potentiometer (1KΩ)	National Instruments	30
169	Potentiometer (1.2KΩ)	National Instruments	30
170	Potentiometer (2KΩ)	National Instruments	30
171	Potentiometer (2.2KΩ)	National Instruments	30
172	Potentiometer (2.5KΩ)	National Instruments	30
173	Potentiometer (4.2KΩ)	National Instruments	30
174	Potentiometer (4.7KΩ)	National Instruments	30
175 176	Potentiometer (5.6K $\Omega$ ) Potentiometer (10K $\Omega$ )	National Instruments	30 30
177	Potentiometer (22KΩ)	National Instruments National Instruments	30
178	Potentiometer (47KΩ)	National Instruments	30
179	Potentiometer ( $47K\Omega$ )	National Instruments	20
180	Potentiometer ( $100K\Omega$ )	National Instruments	50
181	Potentiometer (470K $\Omega$ )	National Instruments	50
182	Potentiometer (560K $\Omega$ )	National Instruments	20
183	Potentiometer (1M $\Omega$ )	National Instruments	10
184	830 Point Breadboard	National Instruments	40
	Copper Clad Sheet Single Sided Laminate Circuit		50
185	Board 4 x 6 Inches	National Instruments	30
186	Ferric Chloride (FeCL3) PCB Etching Powder For	(Ciamo Aldrich)	2
187	PCB Making 500 Grams Surgical Pure Cotton Sterlised Free From Bacteria	(Sigma Aldrich)	1kg
101	PREMIER Box FACE Tissue 100 PULLS		ing
188	2PLY(Pack of8)		
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SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### Annexure 'E'

## List of items required for "Chemistry Lab"

S.NO	NAME	size	volume	Quantity
1.	Round bottom flask	24 neck	100ml	50
2.	Round bottom flask	14 neck	25ml	50
3.	Round bottom flask	19 neck	100ML	50
4.	Round bottom flask"	19 neck	100 ml	50
5.	Round bottom flask"	19 neck	50ml	50
6.	Round bottom flask"	24 neck	250 ml	25
7.	Round bottom flask"	24, 2 neck	250 ml	20
8.	Round bottom flask"	24 neck	500ml	10
9.	Round bottom flask"	14 neck	10ML	50
10.	Round bottom flask"	14 neck	5ML	50
11.	condensers	24, 24		10
12.	condensers	19,19		10
13.	condensers	14,14		10
14.	shartpath	19,19		5
15.	shartpath	24,24		5
16.	oil baths	100ml		10
17.	oil baths	250ml		10
18.	oil baths	500ml		2
19.	oil baths	50ml		5
20.	TEST TUBES	25ML		100
21.	TEST TUBES	50ML		100
22.	TEST TUBES	10ML		200
23.	FUNNELS SEPARATING GLB GLASS STCK 125 ML	125ml		3
24.	FUNNELS SEPARATING GLB GLASS STCK 250 ML	250ml		3
25.	FUNNELS SEPARATING GLB GLASS STCK 500 ML	500ml		3
26.	Column; 1095.04; Labtech International	600		3
27.	Column; 1092.05; Labtech International	1000		2
28.	Column1091.05; Labtech International	800		2
29.	Column;15507; Promax	600		3
30.	Column; 15508; Promax	600		3
31.	Column; 15509; Promax	1000		2
32.	Column	600		4
33.	Column	300		5
34.	Column	450		4
35.	Distillation assembl; B-19			1
36.	Distillation assembl; B-24, Double Surface			1

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### **CERTIFICATE**

(to be provided on letter head of the firm)

I hereby certify that the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I also certify that the above information is true and correct in all respect and in any case at a later date, if it is found that any details provided above are incorrect, then the contract given to the above firm may be summarily terminated and the firm may be blacklisted.

Date:	
Place:	Authorized Signatory
	Name:
	Seal
	Designation:
	Contact No ·



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

## **AFFIDAVIT**

	I/We the undersigned do hereby certify that all the statements made in the required attachments are true and correct.
-	The undersigned also hereby certifies that neither our firm M/s  have abandoned any work/supply nor any contract awarded to us for such works/supplies have been rescinded, during last three years prior to the date of this bid.
( I	The undersigned hereby authorize and request any bank, person, firm or Corporation to furnish pertinent information deemed necessary as requested by the Central University of South Bihar, to verify this statement or regarding my (our) competence and general reputation.
i	The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Central University of South Bihar.
	(Signed by an Authorized Officer of the Firm)
	Title of Officer
	Name of Firm
	Date:

# CE

#### CENTRAL UNIVERSITY OF SOUTH BIHAR

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### **Bill of Quantities**

for

Supply of "Laboratory Chemicals & Consumables" at Central University of South Bihar

#### **Financial Bid**

#### Note:

- 1. This is to be kept in **Envelope "C"** sealed and it should be written on envelop that Supply of "**Laboratory Chemicals & Consumables**" at Central University of South Bihar".
- 2. Department wise (for Annexure 'A', 'B', 'C', 'D' & 'E') price bid should be submitted.
- University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

## FINANCIAL BID PROFORMA

(It should be submitted in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/Chemicals/T/25/2019-20, Date: 30/01/2020

Subject: Supply of "Laboratory Chemicals & Consumables".

Name of Department: Biotechnology (Annexure 'A')

Name of the Bidder:

SI. No.	Name of Chemicals	Make / Manufacturer	Cat. No	Qty.	*GST rate @	Unit Price Inclusive of GST/ delivery/ other/ charges	Total Price Inclusive of GST/ delivery/ other/ charges
1	0.22µm filter ready to use	Axiva	SFNY25R	100pcsx2			
2	1 kb plus ladder	G- Bioscience	786-854	4 Pk.			
3	1,4-Diaminobutane 99%	Sigma-Aldrich	D13208-100G	100gx1			
4	100 bp plus Ladder	G- Bioscience	786-856	3 Pk			
5	10X RBC Lysis Buffer	Himedia	R075-500ML	500ml x 1			
6	11-cis Vaccenyl Acetate	Cayman Chemical	10010101	10mg			
7	1-Hexanol anhydrous, ≥99%	Sigma-Aldrich	471402- 100mL	1x100ml			
8	2- Propanol	Himedia	AS068-2.5L	2.5 L x 2			
9	24 well Plates	Himedia	TPG-24	200nox1			
10	Acetic Acid	Himedia	AS119-2.5L	2.5L x 2			
11	Acetone	Himedia	MB179-2.5L	2.5L X 2			
12	Acrylamide	Himedia	MB068-500G	500g x 1			
13	Aloe-emodin	Sigma	93938-10MG	10mg x 1			
14	Anti Goat Secondary Antibody HRP	Santacruz Biotech	sc-2354	1 vial			
15	Antimycotic Soliution	Himedia	A002- 5X100ML	100mlx5			
16	Aprotinin from Bovine Lung	Himedia	MB119-50MG	100mgx1			
17	Astemizole	Sigma	A2861-10MG	10mgx1			
18	Beaker 1000ml	Borosil	1000D29	30 pcs			
19	Beaker 500ml	Borosil	1000D24	30 pcs			
20	Brain Heart Infusion Broth	Himedia	M210G-500G	500g x 1			
21	Bromophyneyl Hydrazine Hydrochloride	Sigma Aldrich	14321-10G	10gx1			
22	C DNA Synthesis Kit	Himedia	MBT076-100R	1 Kit			
23	Carbon tetra Chloride	Sigma Aldrich	289116- 100ML	100g X 1			
24	Centrifuge Tube. 15ml	Tarsons	500031	3 Pk.			
25	Centrifuge Tube. 50ml	Tarsons	500041	3 Pk.			
26	CHAPS	Himedia	RM4126-5G	5gx1			
27	Chloroform	Himedia	AS040-2,5L	2.5L X 1			



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Cornical Flask 500ml	28	Cinnamic Acid	Himedia	GRM1445- 500G	500gx1		
	29	Conical Flask 1000ml	Borosil	4980029	15 pcs		
31   Com Protenta In Org.   Urban Pilater   BOZY   Seg. xt	30	Conical Flask 500ml	Borosil		15 pcs		
	31	Corn Polenta 10 Kgs	Urban Platter		5kg x1		
DRitydroxy Phynylalane	32	Cryovial	Tarsons	523182	1 Pk.		
DAB (3.3 - 3	33	Curcumin	Himedia	M1449-10G	10g x 2		
	34		Sigma	5796-17-8	1pc.		
With Annexin V FITC	35	diaminobenzidine	Himedia	RM1440-5G	5gx1		
37   Extraction-Ethanol	36	with Annexin V FITC	Invitrogen		1 pack		
38	37		Himedia	500ML	500ml X 10		
Ethanolamine	38			500ML			
August   A	39		Quizen	28706	1 Kit		
Ethyl Acetate HPLC grade	40		Himedia	TC077-25G	25 G X 1		
Fetal Bovine Serum			Himedia	AS130-2.5L	2.5lx2		
Fetal Bovine Setrum	42	Felodipins	Mecrk	F9677-25MG	25gx1		
Glutathione Agarose   Sigma   G4510   Smlx1	43	Fetal Bovine Serum	Himedia	5X500ML	1 Pk.		
45         Beads         Signia         G4910         Sinixi           46         Glycogen         Himedia         RM379-5G         5gx1           47         HEPES Free Acid         Himedia         TC050-100G         100gx1           48         Hi- Dispo Bags small         Himedia         PW040-1000NO         3 Pk.           49         Hoechest 33258         Himedia         TC225-100Mg         100mg x 1           50         # 5 Forcep         Sigma-Aldrich         F6521-1EA         2 pcs.           51         L- Glutamine         Himedia         TC243-100G         100g x1           L-3,4Rihydroxy phenylalane methyl ester hydrochloride         Sigma         1421-65-4         50mgx1           53         LB Broth         Himedia         M575-500G         500G X 2           54         Leupeptin         Sigma         L2884         10mgx1           LightShift™ Chemiluminescent EMSA 	44		Himedia		500ml x 1		
47 HEPES Free Acid Himedia TC050-100G 100gx1  48 Hi- Dispo Bags small Himedia PW040- 1000NO 3 Pk.  49 Hoechest 33258 Himedia TC225-100Mg 100mg x 1  50 Jewellers forceps, Dumont # 5 Forcep 51 L- Glutamine Himedia TC243-100G 100g x1  L-3,4Rihydroxy phenylalane methyl ester hydrochloride Phydrochloride Sigma 1421-65-4 50mgx1  51 Leupeptin Sigma L2884 10mgx1  LightShift™ Chemiluminescent EMSA Ki (100 Reac.)  Measuring Cylinder Tarsons 343070 2 Pk.  MEM Himedia ACL005- 57 MEM Himedia AS061-2.5L 2.5L X4  Methyl 4- Hydroxy Merck H5501-500G 500g 61 Mineral oil SIGMA M8410-500ML 500MLX3  M-MuLV Reverse Transcriptase, RNase H+ Fermentas EP0352 5000 Unitsx1  63 Sodium Vanidate Sigma S-6508 10gx1	45		Sigma		5mlx1		
Hi- Dispo Bags small	46	, ,		RM379-5G	5gx1		
Hi- Dispo Bags small	47	HEPES Free Acid	Himedia		100gx1		
Jewellers forceps, Dumont # 5 Forcep   Sigma-Aldrich # 5 Forcep	48			1000NO			
50    # 5 Forcep	49		Himedia	TC225-100Mg	100mg x 1		
L-3,4Rihydroxy	50	# 5 Forcep	,	F6521-1EA	2 pcs.		
Sigma   1421-65-4   50mgx1   50mgx1   52   53   LB Broth   Himedia   M575-500G   500G X 2   54   Leupeptin   Sigma   L2884   10mgx1   LightShift™   Chemiluminescent EMSA   Kit (100 Reac.)   Measuring Cylinder   Tarsons   343070   2 Pk.   56   1000ml   Tarsons   AL020-6000ml   AMS   AL020-6000ml   AMS	51		Himedia	TC243-100G	100g x1		
54         Leupeptin         Sigma         L2884         10mgx1           LightShift™ Chemiluminescent EMSA         Thermo fisher         20148         1 Pk.           55         Kit (100 Reac.)         Tarsons         343070         2 Pk.           56         1000ml         Tarsons         343070         2 Pk.           57         MEM         Himedia         AL020-6X500ML         1 pk.           58         Amino Acid         Himedia         ACL005-5X100ML         1 pk.           59         Methanol         Himedia         AS061-2.5L         2.5L X4           60         Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           62         Sodium Vanidate         Sigma         S-6508         10gx1	52	phenylalane methyl ester hydrochloride	Sigma		50mgx1		
LightShift™ Chemiluminescent EMSA Kit (100 Reac.)         Thermo fisher         20148         1 Pk.           55 Kit (100 Reac.)         Measuring Cylinder 1000ml         Tarsons         343070         2 Pk.           56 1000ml         Himedia         AL020-6X500ML ASSOML ASSOML ASSOML AMINO Acid         1 pk.           57 MEM Himedia         Himedia ACL005-5X100ML AMINO Acid AMINO Acid ASSOML AMINO Acid Acid Acid Acid Acid Acid Acid Acid	53						
Chemiluminescent EMSA Kit (100 Reac.)         Thermo fisher         20148         1 Pk.           55 Kit (100 Reac.)         Measuring Cylinder 1000ml         Tarsons         343070         2 Pk.           56 1000ml         Himedia         AL020-6X500ML ASC00ML ASC0	54		Sigma	L2884	10mgx1		
56         1000ml         Tarsons         345070         2 FK.           57         MEM         Himedia         AL020-6X500ML         1 pk.           58         MEM- Non essential Amino Acid         Himedia         ACL005-5X100ML         1 pk.           59         Methanol         Himedia         AS061-2.5L         2.5L X4           60         Metryl 4- Hydroxy Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           63         Sodium Vanidate         Sigma         S-6508         10gx1	55	Chemiluminescent EMSA Kit (100 Reac.)	Thermo fisher	20148	1 Pk.		
57         MEM         Himedia         6X500ML         1 pk.           58         MEM- Non essential Amino Acid         Himedia         ACL005-5X100ML         1 pk.           59         Methanol         Himedia         AS061-2.5L         2.5L X4           60         Methyl 4- Hydroxy Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           63         Sodium Vanidate         Sigma         S-6508         10gx1	56		Tarsons		2 Pk.		
58         Amino Acid         Himedia         5X100ML         1 pk.           59         Methanol         Himedia         AS061-2.5L         2.5L X4           60         Methyl 4- Hydroxy Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           63         Sodium Vanidate         Sigma         S-6508         10gx1	57		Himedia	6X500ML	1 pk.		
60         Methyl 4- Hydroxy Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           63         Sodium Vanidate         Sigma         S-6508         10gx1	58	Amino Acid		5X100ML	·		
60         Benzoate 99%         Merck         H5501-500G         500g           61         Mineral oil         SIGMA         M8410-500ML         500MLX3           M-MuLV Reverse Transcriptase, RNase H+         Fermentas         EP0352         5000 Unitsx1           63         Sodium Vanidate         Sigma         S-6508         10gx1	59		Himedia	AS061-2.5L	2.5L X4		
M-MuLV Reverse Transcriptase, RNase H+ Fermentas EP0352 5000 Unitsx1  63 Sodium Vanidate Sigma S-6508 10gx1	60	Benzoate 99%			ŭ		
Transcriptase, RNase H+ Fermentas EP0352 5000 Unitsx1  63 Sodium Vanidate Sigma S-6508 10gx1	61	Mineral oil	SIGMA	M8410-500ML	500MLX3		
	62		Fermentas	EP0352	5000 Unitsx1		
ou Nitridipine Sigma N144 25 mgv1	63	Sodium Vanidate	Sigma	S-6508	10gx1		
64 Munulpine Signia M144 25 Hight	64	Nitridipine	Sigma	N144	25 mgx1		



65	Nitrocellulose membrane	Himedia	SF110A-1Roll	1 roll		
66	Not 1	ILS	R0189S	500ux1 vial		
67	NP-40	Himedia	NB143-100ml	100mlx1		
68	Oligonucleotide 300bp	DESALTED	-	1 Pk.		
69	Pac1	ILS	R0547S	250 units x1 vial		
70	PCR Mix.	G-Bioscience	786-442	25µmole		
71	PCR tube	Tarsons	510051	5 Pk.		
72	Petridish	Tarsons	460092	2 Pk.		
73	Pfu Taq Pol	G-Bioscience	786-816	2 Pk.		
74	pH Standard 4.0	Himedia	LA405-10NO	1 pk.		
75	pH Standard 7.0	Himedia	LA407-10NO	1 pk.		
76	phenylacetaldehyde≥905	Sigma-Aldrich	107395- 100ML	100mlx1		
77	Pierce Protease inhibitor Cocktail Tablet	ThermoFisher	PI88665	1 Pk.		
78	Pimozide	Merck	P1793-500MG	500mgx1		
79	Pipette set volume 0.2-2 ,0.2-10, 200 ,1000μl	First sourse	-	1 Pk.		
80	Prestige Instant Yeast	Saf Yeast Company Pvt. Ltd.	-	5 Kgs		
81	Primer (Name and sequence attached)	Eurofin	0	Kit A to E		
82	Primer (Name and sequence attached)	Xcelris		898 base		
83	Propionaldehyde ≥97%, FG	Sigma-Aldrich	W292303- 1KG-K	1 x 1 KG		
84	Protein Ladder 11-190 KDa Blue Prestained	ILS	P7706S	2 Pk.		
85	Protein Marker (Low Range)	SRL	58511	2.5mlx1		
86	Protein Marker (Medium Range)	SRL	12986	1mlx1		
87	Purple Nitrile gloves(MI	Tarsons	370020	5 Pk.		
88	QIAMP DNA Mini Kit, 50 reaction	Quigen	51304	1 Kit		
89	Quercetin dehydrate	Himedia	RM6191-25G	25g x 1		
90	ReadyStrip™ IPG Strips, 17 cm, pH 3–10, 12/pack	Biorad	1632007	1 Pk.		
91	RiboLock RNase Inhibitor (40 U/µL)	Fermentas	EO0381	2500 Unit		
92	RIPA Buffer	Himedia	TCL131- 1X100ML	2 Pk.		
93	RNA Isolation Kit	Himedia	HTBM012- 10PR	1kit		
94	RNA Later Stabilization Sol.	Invitrogen	AM7020	100mlx1		
95	RNaseZap™ RNase Decontamination Solution	Thermo fisher	AM9780	250mlx1 Pk.		
96	RQ1 RNase-Free DNase	Thermo fisher	M6101	1 Pk.		
97	Site Directed Mutagenesis Kit single site	Thermo Fisher	A13282	1 kit		
98	Spatula	Genexy	HS15907	1 pack		



	1 OSt Tatorip	oui, i .o- i ekai	ii, District O	aya (Diriar)	PIN- 824 236	
	SYB18R® Green JumpStart™ Taq ReadyMix™ for Quantitative PCR, MgCl2	Sigma	S4438-	2Pk.		
99	in buffer		500RXN SF127-			
100	Syringe filter 0.2µm 25mm	Himedia	SF127- 1x100NO	4 Pk.		
101	Syringe filter 0.2µm 13mm	Himedia	SF9-1x75NO	4 Pk.		
102	T-25 Flask	Tarsons	950010	1 Pk.		
103	T-75 Flask	Tarsons	950020	1Pk.		
104	TBST(Tris-buffered Saline and polysorbate)	Himedia	ML088-1L	1Lx1		
105	Terrific Broth	Himedia	EC1250CCL- 25NO	25no.x1		
106	Thiourea, Hi-LR™	Himedia	GRM1431- 500G	1pc		
107	Tissue culture plates 12 well adherent cells	Himedia	TPP12- 1x200NO	1 Pk.		
108	Tissue culture plates 6 well adherent cells	Himedia	TPP6- 1x200NO	1 Pk.		
109	Tissue culture plates 96 well adherent cells	Himedia	TPP96- 1x200NO	1 Pk.		
110	Trypsin EDTA	Himedia	TCL144- 100ML	100mlx1		
111	Trypsin EDTA Solution	Himedia	TCL007- 6X500ML	1 pk.		
112	Tyrosina from Mushroom	Sigma	T3824-50Ku	1pc.		
113	UltraPure™ Agarose	Thermo Fisher	16500-100	100 g		
114	Vannas Spring Scissors- 2.5mm Cutting Edge, Straight tip shape	Fine Science Tools	15000.08	1рс		
115	Tryptone Soya Broth	Himeida	LQ508- 5x200ML	5x200ml		
116	Ferrous Ammonium Sulphate	Himedia	GRM1026- 500G	500gx1		
117	Ammonium Dihydrogen Phosphate	Himedia	PCT001-500G	500gx1		
118	Phenol Red Indicator	Himedia	1010-125ML	125mlx2		
119	Biochemical Test Kit	Himedia	KB015-5KT	1 kit		
120	Nalgene Tubing T-Type connector	Thermo fisher	6151-0500	1 case (48pcs)		
121	Sola HRP Hypercarb retain	Thermo Fisher	11879163	1pk.		
122	Human IL2 Assey Kit	Sigma	10799068001	1 kit		
123	Glutaraldehyde	Himedia	TC558U- 100ML	100mlx1		
124	Genomic DNA Purification Kit 50 rxn.	Thermo	K1830-01	1 kit		
125	2'7'- Dichloroflourescin diacetate	Sigma	D6883	250mg		
126	N-Phenyl-1 napthylanine	Sigma	104043	500gx1		
127	L-Alaninne	Himedia	PCT0301-25G	25gx1		
128	L-Isoleusine	Himedia	PCT0312- 100G	100gx1		
129	L-Leusin	Himedia	PCT0313- 25MG	25mgx1		
130	L-methioninee	Himedia	PCT0315- 100G	100gx1		



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131	L-Serine	Himedia	PCT0318- 100G	100gx1		
132	L-Theronine	Himedia	PCT0319-25G	25gx1		
133	L-Veline	Himedia	PCT0322- 100G	100gx1		
134	Anacardic Acid	Sigma	A7236-5MG	5mgx1		
135	Trizol Reagent	Thermo fisher	15596026	100mlx1		
136	L-Glutamine	Himedia	TC243-25G	25gx1		
137	Gentamycin	Himedia	A005-100ML	100mlx1		
138	Amphotericin B	Himedia	A011-20ml	20mlx1		
139	TRF 1 Antibody	Invitrogen	MA1-46089	1 Vial		
140	TRF 1 Antibody	Invitrogen	MA5-26592	1 Vial		
141	0.2ml thin wall clearreal time PCR tubes and caps	Axygen	PCR-0208- FCP-C	01 Pkt.		
142	Propionic Acid Plasmid DNA isolation	Himedia	GRM3658- 500ML	500Mlx1		
143	from Bacteria Kit 50 reaction	QIAGEN	10023	1 Kit		
	Invitro Transcription and Translation kit - AM13 MAXIscript™ SP6 Transcription Kit - 30					
144	reaction	Thermo	AM13	1		
145	Ethidium Bromide -	Himedia	MB074	10MLX1		
146	Nuclease Free H2O - ,	Thermo	10977015	500 MLX1		
147	DNA loading dye 6X - 1ml	Thermo	R0611	1mlx 1		
148	1kb DNA Ladder-N3232L, NEB 1 ml (0.5 ug/ml) Plasmid DNA Pgex2tk-	G.BIO GE healthcare life	786-854	1mlx 1		
149	25ug, 28954653,	science	28954653,	25mgx1		
	Plant/Fungi DNA Isolation (E5038-					
150	1KT)	Sigma	E5038-1KT	1 kit		
	6x Loading	-				
151	buffer	Sigma	G2526-5ML	1 vial		
152	Agarose	Sigma	A9539	100g x1		
153	DiBAC4	Sigma	D8189	25mgx1		
154	H2DCFDA	Sigma	D6883	250mgx1		
155	Anacardic Acid	Sigma	A7236	25gx1		
156	Tris TC072-500G	Himedia	TC072	500gx1		
157	Glacial Acetic Acid AS119-2.5L	Merck	1.93002.2521	2.5lx1		
158	EDTA Disodium	Himedia	GRM3915	500gx1		
159	Quartz Cuvette	Mettler	7017	1 Pair		
160	Cicken or Goat Fresh Blood		-	- **		
161	Eppendorf tubes 1.5 ml	TARSON	39269099	1pkt		
162	Falcon tube 15 ml	TARSON	39269099	1pkt		
163	NaCl	Himedia	GRM853	500gx1		
164	Trypan Blue dye (powder)	Himedia	GRM263	5gx1		
165	Disposable syringe filters (0.22 uM)	Merck	SLGV0250S	1 pkt		
166	Whattman filter paper			1 pkt		
167	Disposable syringe (5 ml,			1 pkt each		



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

	10 ml )	oui, F.S- Teka	1	, ,	
	Reagent Bottle glass				
168	(100ml, ) Reagent Bottle glass	BOROSIL	1501016	6 No	
169	(250ml)	BOROSIL	1501021	6 No	
170	Reagent Bottle glass (500ml)	BOROSIL	1501024	6 No	
171	Glass slides			1 pkt	
172	Cover slip			1 pkt	
173	Micro pipette P10,	GIL	FA10002M	1 No	
174	Micro pipette P100,	GIL	FA10004M	1 no	
175	Micro pipette P200	GIL	FA10005M	1 no	
176	Micro pipette P1000	GIL	FA10006M	1 no	
177	Micro-Tips 0-1ul white	TARSON	521000	1 pkt	
178	Universal Mirco tip Box 96 placed	TARSON	524052	1 pkt	
179	Micro-Tips 200 ul yello with tip box	TARSON	521010	1 pkt	
180	Universal Mirco tip Box 96 placed	TARSON	524053	1 pkt	
181	Micro-Tips 1000ul blue with tip box	TARSON	521020	1 pkt	
182	Universal Mirco tip Box 96 placed	TARSON	524059	1 pkt	
183	Phosphate Buffered Saline (PBS), pH 7.4	Himedia	M1866	500mlx1	
184	Isopropanol AS067- 500ML	MERCK	1.94524.0521	500mlx1	
185	Tissue roll			12	
186	pH metre	Mettler	FP-20	1 pc	
187	Magnetic stirrer hot Plate	TARSON	6040	1	
188	Round magnetic stirrer bar with pivot ring	TARSON	4117	1	
189	Magnetic Retreiver 30mm Pk of 2	TARSON	4192	1	
190	Weighing Balance	Mettler	Me-204	1	
191	NaOH	Himedia	GRM1183	500gx1	
192	HCI	MERCK	1.93401.0521	500mlx1	
193	LB Powder	HIMEDIA	M575	500mlx1	
				Total	Basic Amount (Rs.)
					ount with GST (Rs.)
Total	Amount in words (Rs				)

#### Note:

- 1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
- 2. No extra payment shall be made up and above of the quoted total price.
- 3. University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.

Date:	Signature
	Name:

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

### FINANCIAL BID PROFORMA

(It should be submitted in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/Chemicals/T/25/2019-20, Date: 30/01/2020

Subject: Supply of "Laboratory Chemicals & Consumables".

Name of Department: Life Science (Annexure 'B')

Name of the Bidder:	

1.         Syringes, 10 ML, Make:         HSMD         HSMD         5 Pk           2.         Syringe filter, 0.22 um, 100/box, Cat. No. NSF02         BR Biochem Biochem Biochem Biochem         2 box           3.         Beaker, 500 ml, Cat. No. 1000D24, Borosil         Borosil         50 Pcs           4.         Conical Flask, 100 ml, Cat. No. 4980016, Pcs         Borosil         50 Pcs           5.         Conical Flask, 500 ml, Cat. No. 4980024         Borosil         50 Pcs           6.         Petri Dishes, 90 * 15 MM, Cat. No. 3165075         Borosil         Borosil         50 Pcs           7.         Methanol HPLC, 2.5 Ltr., Cat. No. AS061-2.5 L         Himedia         Himedia         4 Pk           8.         DNA 1 KB plus ladder, Cat. No. MB053-500GM         Himedia         Himedia         1           9.         Agar Powder, Cat. No. MB053-500GM         Himedia         Himedia         1           10.         Short Plate, Cat. No. MB053-500GM         Himedia         Himedia         2           11.         Gel Casting Plate, 1 mm, Cat. No. BioRad         BioRad         2           12.         Bis-acrylamide, Cat. No. MB0053-100G         Himedia         Himedia         1           12.         Bis-acrylamide, Cat. No. GRM1027-500ML         Himedia         Himedia	SI. No.	Chemicals/Consumables Name	Make	Manufacturer	Qty.	*GST rate @	Unit Price Inclusive of GST/ delivery/ other/ charges	Total Price Inclusiv e of GST/ delivery / other/ charge s
No. NSF02   Biochem   Borosil   Borosil   Borosil   Borosil   Borosil   So   Pcs	1.	Syringes, 10 ML, Make:	HSMD	HSMD	5 Pk			
4.         Conical Flask, 100 ml, Cat. No. 4980016,         Borosil         50           5.         Conical Flask, 500 ml, Cat. No. 4980024         Borosil         50           6.         Petri Dishes, 90 * 15 MM, Cat. No. 3165075         Borosil         50           7.         Methanol HPLC, 2.5 Ltr., Cat. No. AS061-2.5 L         Himedia         Himedia         4 Pk           8.         DNA 1 KB plus ladder, Cat. No. MB053-500GM         Himedia         1         Himedia         1           10.         Short Plate, Cat. No. 1653308         BioRad         BioRad         2         2           11.         Gel Casting Plate, 1 mm, Cat. No. BioRad         BioRad         2         1         1           12.         Bis-acrylamide, Cat. No. MB005-100G         Himedia         Himedia         1         1           13.         Agarose, 500 gm         Himedia         Himedia         1         1           14.         Glycerol, Cat. No. GRM1027-500ML         Himedia         Himedia         1         1           15.         Parafilm, 2**250**, Cat. No. 482060**, 2Pk         Tarson         2 Pk         1           16.         Staining Box, Cat. No. 482060**, 2Pk         Tarson         5 pk.           17.         Purple nitrile gloves (Medium), Cat.	2.			BR Biochem	2 box			
4980016,   Conical Flask, 500 ml, Cat. No.   Borosil   Borosil   50   4980024   Pcs   S   S   S   S   S   S   S   S   S	3.	·	Borosil	Borosil				
4980024   Borosil   Borosil   S0   S0   S15 MM, Cat. No.   Borosil   Borosil   S0   Pcs   S0   S165075   Pcs   S1505075   S0   S165075   S0   S0   S165075   S0   S0   S165075   S0   S0   S0   S165075   S0   S0   S0   S0   S0   S0   S0   S	4.	4980016,	Borosil	Borosil				
3165075	5.	4980024	Borosil	Borosil				
AS061-2.5 L   8. DNA 1 KB plus ladder, Cat. No. NEB   NEB   2   N3200S   N3200S   N3200S   N3200S   N3200S   N3200S   N3200S   N3200S   N3200B   N3200B	6.	3165075	Borosil		Pcs			
N3200S   9. Agar Powder, Cat. No. MB053-500GM   Himedia   Himedia   1	7.	AS061-2.5 L		Himedia				
10.         Short Plate, Cat. No. 1653308         BioRad         BioRad         2           11.         Gel Casting Plate, 1 mm, Cat. No. 1653311         BioRad         2           12.         Bis-acrylamide, Cat. No. MB005-100G         Himedia         Himedia         1           13.         Agarose, 500 gm         Himedia         Himedia         1           14.         Glycerol, Cat. No. GRM1027-500ML         Himedia         1           15.         Parafilm, 2"*250", Cat. No. 380010         Abdos         Abdos         2 Pk           16.         Staining Box, Cat. No. 482060, 2/Pk         Tarson         Tarson         2 Pk           17.         Purple nitrile gloves (Medium), Cat. No. 370020         Tarson         Tarson         5 pk.           18.         Luria Bertani Broth, Cat. No. L3022- Sigma         Sigma         2           19.         Micro tips 20 ul, Cat. No. 521050, 1000/Pk         Tarson         Tarson         15           20.         Micro tips 200 ul, Cat. No. 521010, 1000/Pk         Tarson         Tarson         15           21.         Micro tips 1000 ul, Cat. No. 521020, 500/Pk         Tarson         Tarson         15           22.         Micro tips 1000 ul, Cat. No. 521020, 500/Pk         Tarson         Tarson         15	8.	N3200S						
11.       Gel Casting Plate, 1 mm, Cat. No. 1653311       BioRad       2         12.       Bis-acrylamide, Cat. No. MB005-100G       Himedia       Himedia       1         13.       Agarose, 500 gm       Himedia       Himedia       1         14.       Glycerol, Cat. No. GRM1027-500ML       Himedia       1         15.       Parafilm, 2"*250', Cat. No. 380010       Abdos       Abdos       2 Pk         16.       Staining Box, Cat. No. 482060, 2/Pk       Tarson       Tarson       2 Pk         17.       Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- 1KG       Sigma       Sigma         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       Tarson       15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       Tarson       15         22.       Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1	9.							
1653311       12. Bis-acrylamide, Cat. No. MB005-100G       Himedia       Himedia       1         13. Agarose, 500 gm       Himedia       Himedia       1         14. Glycerol, Cat. No. GRM1027-500ML       Himedia       Himedia       1         15. Parafilm, 2"*250', Cat. No. 380010       Abdos       Abdos       2 Pk         16. Staining Box, Cat. No. 482060, 2/Pk       Tarson       Tarson       2 Pk         17. Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       Tarson       5 pk.         18. Luria Bertani Broth, Cat. No. L3022- 1KG       Sigma       2         19. Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       Tarson       15         20. Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21. Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22. Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1								
13.       Agarose, 500 gm       Himedia       Himedia       1         14.       Glycerol, Cat. No. GRM1027-500ML       Himedia       1         15.       Parafilm, 2"*250', Cat. No. 380010       Abdos       2 Pk         16.       Staining Box, Cat. No. 482060, 2/Pk       Tarson       2 Pk         17.       Purple nitrile gloves (Medium), Cat.       Tarson       5 pk.         No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- 1KG       Sigma       2         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       Tarson       15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22.       Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1	11.	1653311	BioRad	BioRad	2			
14.       Glycerol, Cat. No. GRM1027-500ML       Himedia       1         15.       Parafilm, 2"*250', Cat. No. 380010       Abdos       2 Pk         16.       Staining Box, Cat. No. 482060, 2/Pk       Tarson       2 Pk         17.       Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- Sigma       Sigma         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22.       Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1	12.				1			
15.       Parafilm, 2"*250', Cat. No. 380010       Abdos       2 Pk         16.       Staining Box, Cat. No. 482060, 2/Pk       Tarson       Tarson       2 Pk         17.       Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- Sigma       Sigma       2         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       Tarson       15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22.       Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1								
16.       Staining Box, Cat. No. 482060, 2/Pk       Tarson       Tarson       2 Pk         17.       Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- 1KG       Sigma       2         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22.       Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1					-			
17.       Purple nitrile gloves (Medium), Cat. No. 370020       Tarson       5 pk.         18.       Luria Bertani Broth, Cat. No. L3022- Sigma 1KG       Sigma 2         19.       Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson 15         20.       Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson 15         21.       Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson 15         22.       Micropipette variable volume, 0.1 -2.5       Abdos 1								
No. 370020   Sigma   Sigma   Sigma   2								
1KG       2         19. Micro tips 20 ul, Cat. No. 521050, 1000/Pk       Tarson       Tarson       15         20. Micro tips 200 ul, Cat. No. 521010, 1000/Pk       Tarson       Tarson       15         21. Micro tips 1000 ul, Cat. No. 521020, 500/Pk       Tarson       Tarson       15         22. Micropipette variable volume, 0.1 -2.5       Abdos       Abdos       1		No. 370020	Tarson	Tarson	5 pk.			
1000/Pk	18.	1KG	Sigma	Sigma				
1000/Pk	19.	1000/Pk	Tarson	Tarson	15			
500/Pk  22. Micropipette variable volume, 0.1 -2.5 Abdos Abdos 1	20.		Tarson	Tarson	15			
	21.		Tarson	Tarson	15			
	22.		Abdos	Abdos	1			



Micropipette variable volume, 20-200   Abdos   1		Fusi-Tateripul, F.S-Teka	an, District	Caya (Dinai)	1 114 024 230	
State	23.	Micropipette variable volume, 2-20 µl	Abdos	Abdos	1	
25. Micropipette variable volume, 100- 1000 pt	24.		Abdos	Abdos	1	
25.6   Bromophenol blue, Cat. No. MB123-   256   25.6   27. n-Butanol, Cat. No. MB055   Himedia   Himedia   1   28.	25.	Micropipette variable volume, 100-	Abdos	Abdos	1	
28.	26.	Bromophenol blue, Cat. No. MB123-	Himedia	Himedia	1	
No. MB003-100GM	27.	n-Butanol, Cat. No. MB055	Himedia	Himedia	1	
AS011-500 ML	28.		Himedia	Himedia	1	
31.   Cobalt (III) nitrate, Cat. No. 239267-   100G	29.	AS011-500 ML	Himedia			
100G	30.				3	
33.   Buffer capsule Ph 4.0, Cat. No. LA405   Himedia   Himedia   2	31.	100G	Sigma	Sigma		
34.   Buffer capsule Ph 7.0, Cat. No. LA406   Himedia   2   2-mercaptoethanol, Cat. No. M3148-   Sigma   Sigma   1   Sigma	32.	Isopropanol, Cat. No. AS067	Himedia	Himedia	2	
35						
SOOML	34.		Himedia	Himedia	2	
37.   Disodium hydrogen orthophosphate, Cat. No. GRM1417-500GM   Cat. No. GRM1417-500GM   Whatman   Whatman   2 pk.     39.   Whatman filter paper, 12.5 cm   Whatman   Whatman   2 pk.     39.   Centrifuge tube 15ml, 500 /PK Cat.   Tarson   Tarson   3 Pk.     No. 500031   No. 500031   No. 500041   No. 500041   No. 500041   No. 500041   No. 9115S02   Borosil   Borosil   S:00   PM   No. McCare   Moxcare   Moxcare   Moxcare   Moxcare   Moxcare   Moxcare   Moxcare   No. McCSV10018   No. McCSV10018	35.	500ML	_	•	1	
Cat. No. GRM1417-500GM   Whatman   Whatman   2 pk.	36.	BSA, Cat. No. MB083-25G	Himedia	Himedia	2	
39. Centrifuge tube 15ml, 500 /PK Cat. No. 500031  40. Centrifuge tube 50 ml, Cat. No. 500041  41. Cover slip, Cat. No. 9115S02 Borosil Borosil 5:00 PM  42. Storage vials Sterile, 1.8 ml, (-80 degree), Cat. No. MCSV10018  43. Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL  44. Taq DNA Polymerase with standard buffer, Cat. No. MB078-500ML Himedia 1  45. P:C:I, Cat. No. MB078-500ML Himedia Himedia 1  46. Coornassie Blue R 250, Cat. No. Sigma Sigma 1  1125530025  47. Coornassie Blue G 250, Cat. No. Sigma Sigma 1  48. Chloramphenicol, 5 G, Cat. No. Sigma Sigma 1  49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010  49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010  50. dNTPs (10 mM), Cat. No. D7295- 0.2ML  51. Spirit Lamp ss, Cat. No.LA875-1NO Himedia Himedia 5  Methylated Spirit, 2.5 Ltr., Cat. No. Fisher Fisher 1 Pk M4450/17  53. Pasteur Pipettes, 3 ml, Cat. No. 525120 Tarson Tarson 5 Pk 94-0085-1X100NO  56. Ammonium ferric citrate, Cat. No. HiMedia HiMedia 1	37.		Himedia	Himedia	1	
39. Centrifuge tube 15ml, 500 /PK Cat. No. 500031  40. Centrifuge tube 50 ml, Cat. No. 500041  41. Cover slip, Cat. No. 9115S02 Borosil Borosil 5:00 PM  42. Storage vials Sterile, 1.8 ml, (-80 degree), Cat. No. MCSV10018  43. Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL  44. Taq DNA Polymerase with standard buffer, Cat. No. MB078-500ML Himedia 1  46. Comassie Blue R 250, Cat. No. Sigma Sigma 1  1125530025  47. Coomassie Blue G 250, Cat. No. Sigma Sigma 1  1254440025  48. Chloramphenicol, 5 G, Cat. No. Sigma Sigma 1  49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500070  49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 50070Pk, Cat. No. 500070  50. dNTPs (10 mM), Cat. No. D7295- 0.2ML  51. Spirit Lamp ss, Cat. No.LA875-1NO Himedia Himedia 5  Methylated Spirit, 2.5 Ltr., Cat. No. Fisher Fisher 1 Pk M4450/17  53. Pasteur Pipettes, 3 ml, Cat. No. 525120 Tarson Tarson 5 Pk Jerota Sigma 1 PW-1085-1X100NO  56. Ammonium ferric citrate, Cat. No. HiMedia Himedia 1  57. Darbour Pk, Cat. No. 525120 Tarson Tarson 5 Pk Jerota Sigma 1 PW-1085-1X100NO  56. Ammonium ferric citrate, Cat. No. HiMedia HiMedia 1	38.	Whatman filter paper, 12.5 cm	Whatman	Whatman	2 pk.	
40. Centrifuge tube 50 ml, Cat. No. 500041  41. Cover slip, Cat. No. 9115S02 Borosil Borosil 5:00 PM  42. Storage vials Sterile, 1.8 ml, (-80 degree), Cat. No. MCSV10018  43. Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL  44. Taq DNA Polymerase with standard buffer, Cat. No. M0273S  45. P:C:I, Cat. No. MB078-500ML Himedia Himedia 1  46. Coomassie Blue R 250, Cat. No. Sigma Sigma 1 1125530025  47. Coomassie Blue G 250, Cat. No. Sigma Sigma 1 1154440025  48. Chloramphenicol, 5 G, Cat. No. Sigma Sigma 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Centrifuge tube 15ml, 500 /PK Cat.	Tarson	Tarson		
41. Cover slip, Cat. No. 9115S02 Borosil Borosil 5:00 PM  42. Storage vials Sterile, 1.8 ml, (-80 degree), Cat. No. MCSV10018  43. Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL  44. Taq DNA Polymerase with standard buffer, Cat. No. MB078-500ML Himedia Himedia 1  46. Coomassie Blue R 250, Cat. No. Sigma Sigma 1125530025  47. Coomassie Blue G 250, Cat. No. Sigma Sigma 1  48. Chloramphenicol, 5 G, Cat. No. Sigma Sigma 1  48. Chloramphenicol, 5 G, Cat. No. Sigma Sigma 1  49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500/Pk, Cat. No. 500/Pk, Cat. No. 500/Pk, Cat. No. 500010  50. dNTPs (10 mM), Cat. No. D7295- 0.2ML  51. Spirit Lamp ss, Cat. No.LA875-1NO Himedia Himedia 5  Methylated Spirit, 2.5 Ltr., Cat. No. Fisher Fisher 1 Pk M/4450/17  53. Pasteur Pipettes, 3 ml, Cat. No. 525120 Tarson Tarson 5 Pk PW-1085-1X100NO 150. Ammonium ferric citrate, Cat. No. HiMedia HiMedia 1	40.	Centrifuge tube 50 ml, Cat. No.	Tarson	Tarson	3 Pk.	
degree), Cat. No. MCSV10018         Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL         Sigma         2 Vial           44.         Taq DNA Polymerase with standard buffer, Cat. No. M0273S         ILS (NEB)         1LS (NEB)         2 Pk           45.         P:C:I, Cat. No. MB078-500ML         Himedia         1           46.         Coomassie Blue R 250, Cat. No. Sigma         Sigma         1           1125530025         Sigma         1         1           47.         Coomassie Blue G 250, Cat. No. Sigma         Sigma         1           48.         Chloramphenicol, 5 G, Cat. No. Sigma         Sigma         1           C1919-5G         Sigma         1         1           49.         Micro Centrifuge tube, 1.5 ML, 500/PK, Cat. No. 500010         Tarson         5           50.         dNTPs (10 mM), Cat. No. D7295- Sigma         Sigma         1           0.2ML         Spirit Lamp ss, Cat. No.LA875-1NO         Himedia         5           51.         Spirit Lamp ss, Cat. No. LA875-1NO         Fisher         Fisher         1 Pk           53.         Pasteur Pipettes, 3 ml, Cat. No. 940050         Tarson         5 Pk           54.         Ice Tray, 1 Ltr, 2/PK, Cat. No. 525120         Tarson         Tarson         5 Pk      <	41.		Borosil	Borosil		
43.         Sigma Marker™ wide range, mol wt 6,500-200,000 Da, Cat. No. S8445-1VL         Sigma         2 Vial           44.         Taq DNA Polymerase with standard buffer, Cat. No. M0273S         ILS (NEB)         2 Pk           45.         P:C:I, Cat. No. MB078-500ML         Himedia         1           46.         Coomassie Blue R 250, Cat. No. 1125530025         Sigma         Sigma         1           47.         Coomassie Blue G 250, Cat. No. 154440025         Sigma         Sigma         1           48.         Chloramphenicol, 5 G, Cat. No. C1919-5G         Sigma         Sigma         1           49.         Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010         Tarson         5         5           50.         dNTPs (10 mM), Cat. No. D7295- 0.2ML         Sigma         Sigma         1           51.         Spirit Lamp ss, Cat. No.LA875-1NO         Himedia         5           52.         Methylated Spirit, 2.5 Ltr., Cat. No. M4450/17         Fisher         Fisher         Fisher           53.         Pasteur Pipettes, 3 ml, Cat. No. 940050         Tarson         Tarson         5 Pk           54.         Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120         Tarson         Tarson         5 Pk           56.         Ammonium ferric citrate, Cat. No.         HiMedia	42.		Moxcare	Moxcare	1 Pk	
buffer, Cat. No. M0273S	43.	6,500-200,000 Da, Cat. No. S8445-	Sigma	Sigma	2 Vial	
46.       Coomassie Blue R 250, Cat. No. 1125530025       Sigma       Sigma       1         47.       Coomassie Blue G 250, Cat. No. 1154440025       Sigma       Sigma       1         48.       Chloramphenicol, 5 G, Cat. No. C1919-5G       Sigma       1       1         49.       Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010       Tarson       5       5         50.       dNTPs (10 mM), Cat. No. D7295- 0.2ML       Sigma 0.2ML       1       1         51.       Spirit Lamp ss, Cat. No.LA875-1NO       Himedia 1.5       1.7	44.		ILS (NEB)	ILS (NEB)	2 Pk	
47.       Coomassie Blue G 250, Cat. No. 1154440025       Sigma       Sigma       1         48.       Chloramphenicol, 5 G, Cat. No. C1919-5G       Sigma       Sigma       1         49.       Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010       Tarson       5         50.       dNTPs (10 mM), Cat. No. D7295- 0.2ML       Sigma       1         51.       Spirit Lamp ss, Cat. No.LA875-1NO       Himedia       Himedia         52.       Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17       Fisher       Fisher       1 Pk         53.       Pasteur Pipettes, 3 ml, Cat. No. 940050       Tarson       Tarson       5 Pk         54.       Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120       Tarson       Tarson       5 Pk         55.       L Spreader, Autoclavable, Cat. No. HiMedia       HiMedia       1         56.       Ammonium ferric citrate, Cat. No.       HiMedia       HiMedia       1	45.	P:C:I, Cat. No. MB078-500ML	Himedia	Himedia	1	
48. Chloramphenicol, 5 G, Cat. No.       Sigma       1         C1919-5G       Sigma       1         49. Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010       Tarson       5         50. dNTPs (10 mM), Cat. No. D7295- 0.2ML       Sigma       1         51. Spirit Lamp ss, Cat. No.LA875-1NO       Himedia       5         52. Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17       Fisher       Fisher       1 Pk         53. Pasteur Pipettes, 3 ml, Cat. No. 940050       Tarson       Tarson       5 Pk         54. Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120       Tarson       Tarson       5 Pk         55. L Spreader, Autoclavable, Cat. No. PW-1085-1X100NO       HiMedia       HiMedia       1         56. Ammonium ferric citrate, Cat. No.       HiMedia       HiMedia       1	46.		Sigma	Sigma	1	
48.         Chloramphenicol, 5 G, Cat. No.         Sigma         1           C1919-5G         Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010         Tarson         5           50.         dNTPs (10 mM), Cat. No. D7295- 0.2ML         Sigma         Sigma         1           51.         Spirit Lamp ss, Cat. No.LA875-1NO         Himedia         Himedia         5           52.         Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17         Fisher         Fisher         1 Pk           53.         Pasteur Pipettes, 3 ml, Cat. No. 940050         Tarson         Tarson         5 Pk           54.         Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120         Tarson         5 Pk           55.         L Spreader, Autoclavable, Cat. No. PiMedia         HiMedia         HiMedia         1           56.         Ammonium ferric citrate, Cat. No.         HiMedia         HiMedia         1	47.	1154440025	Sigma	Sigma	1	
49.       Micro Centrifuge tube, 1.5 ML, 500/Pk, Cat. No. 500010       Tarson       5         50.       dNTPs (10 mM), Cat. No. D7295- 0.2ML       Sigma       Sigma       1         51.       Spirit Lamp ss, Cat. No.LA875-1NO       Himedia       5         52.       Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17       Fisher       Fisher       1 Pk         53.       Pasteur Pipettes, 3 ml, Cat. No. 940050       Tarson       5 Pk         54.       Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120       Tarson       5 Pk         55.       L Spreader, Autoclavable, Cat. No. HiMedia       HiMedia       1         56.       Ammonium ferric citrate, Cat. No.       HiMedia       HiMedia       1	48.	C1919-5G	Sigma	· ·	1	
50.         dNTPs (10 mM), Cat. No. D7295- 0.2ML         Sigma         1           51.         Spirit Lamp ss, Cat. No.LA875-1NO         Himedia         Himedia         5           52.         Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17         Fisher         1 Pk           53.         Pasteur Pipettes, 3 ml, Cat. No. 940050         Tarson         5 Pk           54.         Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120         Tarson         5 Pk           55.         L Spreader, Autoclavable, Cat. No. PW-1085-1X100NO         HiMedia         HiMedia         1           56.         Ammonium ferric citrate, Cat. No.         HiMedia         HiMedia         1	49.		Tarson	Tarson	5	
51.Spirit Lamp ss, Cat. No.LA875-1NOHimediaHimedia552.Methylated Spirit, 2.5 Ltr., Cat. No. M/4450/17Fisher1 Pk53.Pasteur Pipettes, 3 ml, Cat. No. 940050Tarson5 Pk54.Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120Tarson5 Pk55.L Spreader, Autoclavable, Cat. No. PW-1085-1X100NOHiMediaHiMedia156.Ammonium ferric citrate, Cat. No.HiMediaHiMedia1	50.	dNTPs (10 mM), Cat. No. D7295-	Sigma	Sigma	1	
52.Methylated Spirit, 2.5 Ltr., Cat. No.FisherFisher1 Pk53.Pasteur Pipettes, 3 ml, Cat. No.Tarson5 Pk94005054.Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120Tarson5 Pk55.L Spreader, Autoclavable, Cat. No.HiMediaHiMedia156.Ammonium ferric citrate, Cat. No.HiMediaHiMedia1	51.		Himedia	Himedia		
53.     Pasteur Pipettes, 3 ml, Cat. No.     Tarson     5 Pk       940050     Tarson     5 Pk       54.     Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120     Tarson     5 Pk       55.     L Spreader, Autoclavable, Cat. No.     HiMedia     1       PW-1085-1X100NO       56.     Ammonium ferric citrate, Cat. No.     HiMedia     HiMedia     1		Methylated Spirit, 2.5 Ltr., Cat. No.			1 Pk	
54.Ice Tray, 1 Ltr, 2/Pk, Cat. No. 525120TarsonTarson5 Pk55.L Spreader, Autoclavable, Cat. No.HiMediaHiMedia1PW-1085-1X100NOPW-1085-1X100NOHiMediaHiMedia156.Ammonium ferric citrate, Cat. No.HiMediaHiMedia1	53.	Pasteur Pipettes, 3 ml, Cat. No.	Tarson	Tarson	5 Pk	
55. L Spreader, Autoclavable, Cat. No. HiMedia HiMedia 1 PW-1085-1X100NO  56. Ammonium ferric citrate, Cat. No. HiMedia HiMedia 1	54.		Tarson	Tarson	5 Pk	
56. Ammonium ferric citrate, Cat. No. HiMedia HiMedia 1		L Spreader, Autoclavable, Cat. No.				
	56.		HiMedia	HiMedia	1	



	1 ost 1 atempar, 1.0 Text	, =	Caya (Biriar)			
57.	EDTA, Cat. No03620-250G	Sigma	Sigma	2		
58.	Sodium nitrite, GRM3959-500G	HiMedia	HiMedia	1	+	
				•		
59.	Spin Miniprep Columns Cat No./ID:	QIAGEN	QIAGEN	100	1	
	27115			pcs	]	
60.	Sodium dihydrogen phosphate	Himedia	Himedia	2		
00.	manahasia Cet Na CRM2000 5000	i iii ii cuia	imiicula		1	
	monobasic Cat No GRM3963-500G				1	
61.	Tissue Roll	Local	Local	100	]	
				rolls		
62.	Scalpel Blade, 1*100, Cat. No. LA771	Himedia	Himedia	2	+	
63.	Tris base, 500 gm, Cat. No. 648310-	Merck	Merck	1		
	500GM-M					
64.	Folin–Ciocalteu reagent, Cat. No.	Himedia	Himedia	2		
04.		Tillitedia	Tilliteula			
	RM10822-100ML					
65.	SDS, Cat. No. MB010-500GM	Himedia	Himedia	1		
66.	Glutathione agarose lyophilized	Sigma	Sigma	2		
00.		Oigina	Olgina	_		
	powder, Cat. No. G4510-10 ML					
67.	IPTG, Cat. No. MB072-10GM	Himedia	Himedia	2		
68.	ECOR1, Cat. No. R3101S	NEB	NEB	2		
		NEB	NEB		+	
69.	BamH1, Cat. No. R3136S			2		
70.	Micro tips 20 ul, Cat. No. 521050,	Tarson	Tarson	30	1	
	1000/Pk				1	
74		OLACEN	OLACEN	2		
71.	QIAquick Gel Extraction Kit, 50 Prep,	QIAGEN	QIAGEN	2	1	
	Cat. No. 28704				1	
72.	Protease inhibitor cocktail, P8465-	Sigma	Sigma	1		
12.		Oigina	Olgina	'		
	25ML					
73.	CBB G-250, Cat. No. 20279, 50 gm	Fisher	Fisher	1 1		
74.	Protease Inhibitor cocktail, Cat. No.	Sigma	Sigma (Merck)			
/			Olgina (Werck)			
	P8340-1ML	(Merck)		1		
					1	
75.	TRI Reagent, Cat. No. T9424-200 ML	Sigma	Sigma	1	+	
				ı		
	- · · · · · · · · · · · · · · · · · · ·					
76.	Phusion High-Fidelity DNA	ILS (NEB)	ILS (NEB)	1 vial		
76.		ILS (NEB)	ILS (NEB)	1 vial		
76.	Polymerase, Cat. No. M0530S, 100	ILS (NEB)	ILS (NEB)	1 vial		
	Polymerase, Cat. No. M0530S, 100 units	,	, ,			
76.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S,	ILS (NEB)	ILS (NEB)	1 vial		
	Polymerase, Cat. No. M0530S, 100 units	,	, ,			
77.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units	ILS (NEB)	ILS (NEB)	1		
77. 78.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units	ILS (NEB)	ILS (NEB)	1		
77. 78. 79.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units	ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1		
77. 78.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units	ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB)	1		
77. 78. 79. 80.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units	ILS (NEB) ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1 1		
77. 78. 79.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S,	ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1		
77. 78. 79. 80. 81.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1		
77. 78. 79. 80.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units	ILS (NEB) ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1 1		
77. 78. 79. 80. 81.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1		
77. 78. 79. 80. 81.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1 1		
77. 78. 79. 80. 81.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S,	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1		
77. 78. 79. 80. 81.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB)	1 1 1 1 1		
77. 78. 79. 80. 81. 82.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes	ILS (NEB)	ILS (NEB)	1 1 1 1 1 1 1 1 1 Pk		
77. 78. 79. 80. 81. 82. 83.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	1 1 1 1 1 1 1 1 1 1 Pk		
77. 78. 79. 80. 81. 82.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No.	ILS (NEB)	ILS (NEB)	1 1 1 1 1 1 1 1 1 Pk		
77. 78. 79. 80. 81. 82. 83.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	1 1 1 1 1 1 1 1 1 1 Pk		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No.	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB)	1 1 1 1 1 1 1 1 1 1 Pk		
77.  78.  79.  80.  81.  82.  83.  84.  85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No.	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77.  78.  79.  80.  81.  82.  83.  84.  85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No.	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77.  78.  79.  80.  81.  82.  83.  84.  85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0193S, 1000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG  Glycidol, 100 GM, Cat. No. G5809-	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG  Glycidol, 100 GM, Cat. No. G5809-100 GM	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Sigma Sigma Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma Sigma	1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG  Glycidol, 100 GM, Cat. No. G5809-	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma	1		
77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88.	Polymerase, Cat. No. M0530S, 100 units  DNAse free Rnase, Cat. No. R0303S, 1000 units  Ndel, Cat. No. R0111S, 4000 units  Ncol, Cat. No. R0193S, 1000 units  Xhol, Cat. No. R0146S, 5000 units  DNA Ligase T4, Cat. No. M0202S, 20000 units  Kanamycin sulfate, Cat. No. MB105-25G  2-log DNA ladder, Cat. No. N0469S, 250 gel lanes  X Gal, Cat. No. MB069-1G  Sepharose CL-2B, 100 ML, Cat. No. CL2B300-100ML  CloneJET PCR Cloning Kit, Cat. No. #K1231  TA cloning kit (TOPO), Cat. No. 450641  N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride, 1 GM, Cat. No. E1769-1G  N-Hydroxysulfosuccinimide sodium salt, 250 mg, Cat. No. 56485-250MG  Glycidol, 100 GM, Cat. No. G5809-100 GM	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Sigma Sigma Sigma	ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) ILS (NEB) Himedia ILS (NEB) Himedia Sigma Fisher Fisher Sigma Sigma	1		



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92.	1,3-Diaminopropane, 500 GM, Cat. No. D23602-500 GM	Sigma	Sigma	1		
93.	1,6-DiaminoHEXANE, 100 GM, Cat. No. H11696-100 GM	Sigma	Sigma	1		
0.4		0:	0:			
94.	6-Aminocaproic acid, 100 GM, Cat. No. A2504-100GM	Sigma	Sigma	1		
95.	Color prestained Protein standard, 500 µl., Cat. No. MBT092-100LN	Himedia	Himedia	1		
96.	HIS select HF Nickel affinity gel, 10 ml, Cat. No. H0537	Sigma	Sigma	1		
97.	Glutathione hicap matrix, Cat No. 30900, 10 ML	QIAGEN	QIAGEN	1		
98.	Column -liq chromatography, Cat. No. C4794-1EA, 98ml.L2.5*20cm	Sigma	Sigma	2		
99.	Plasmid DNA MINIprep kit, Cat. No. 27115, 100 Spin column	QIAGEN	QIAGEN	1		
100.	Diluent for DNA extraction, Cat. No.MB228-500ML	HiMedia	HiMedia	1		
101.	Taq DNA mastermix, Cat. No. o667700041730	GeNei	GeNei	1		
102.	trehalose dehydrate, Cat. No. TC177M-25gm	Himedia	Himedia	1		
103.	potassium citrate, Cat. No. GRM4514- 500GM	Himedia	Himedia	1		
104.	L-arginine, Cat. No. TC052-25 gm	Himedia	Himedia	1		
105.	L-glutamate, Cat. No. TC074-25gm	Himedia	Himedia	1		
106.	Protein ladder, Cat. No. MBT092- 100LN	Himedia	Himedia	1		
107.	Supradex 75 column resins, Cat. No. 17104401 150 ML	Sigma	Sigma	1		
108.	DEAE sepharose, Cat. No.DFF100- 100ML	Sigma	Sigma	1		
109.	L-glutathione reduced, Cat. No. G4251-25GM	Sigma	Sigma	1		
110.	Thrombin, Cat. No. T6884-100U	Sigma	Sigma	1		
111.	dnase 1, Cat. No. M0303S	NEB	NEB	1		
112.	Lysozyme, Cat. No.L6876-5G	Sigma	Sigma	1		
113.	DNA 1KB plus ladder, Cat. No. MBT090-50LN	Himedia	Himedia	1		
114.	DNA ligase, Cat. No. MBT090-50LN	Himedia	Himedia	1		
115.	Ampicillin sodium salt, Cat. No. MB104-5GM	Himedia	Himedia	1		
116.	Gel casting plate 1mm, Cat. No. 1653311	BioRad	BioRad	1		
117.	AMICON ultra 15 centrifugal filter unit, Cat. No.	Merck	Merck	1		
	UFC801008					
118.	Ni-NTA resin, Cat. No. GE17-5268-01	Merck	Merck	1	1	
119.	Glycerol, Cat. No.MB060, 500ml	Himedia	Himedia	1		
120.	Premium Plus Pipettes, PP, 0.1-2.5ul, E11145	Abdos	Abdos	1		
121.	Premium Plus Pipettes, PP, 2-20ul, E11108	Abdos	Abdos	1		
122.	Premium Plus Pipettes, PP, 20-200ul, E11110	Abdos	Abdos	1		
123.	Premium Plus Pipettes, PP, 100- 1000ul, E11111	Abdos	Abdos	1		
124.	permanent microscopic slides of development of chick embryo, 18 hrs, 24 hrs, 33 hrs, 48 hrs, 72 hrs, 96 hrs	Local	Local	6 slides		



125.   Dermanent microscopic slides of development of zebrafish,5-10 hrs,10-24 hrs, 24-48 hrs, 48-72 hrs, 72 hrs, 30 hrs     126.   Acrylamide, Cat. No. MB068-100GM   Himedia   Himedia   1     127.   Sarcosy, Cat. No. MB068-100GM   Himedia   Himedia   1     128.   Centrifuge bottle, Cat. No.544040, 1000ml (wide mouth)     129.   Guanidium thiocynate, Cat. No.   Himedia   Himedia   1     129.   Guanidium thiocynate, Cat. No.   Himedia   Himedia   1     130.   DAPI, Cat. No. 268298-10MG   Sigma   Sigma   3     131.   Ultrapure Urea, Cat. No. 15456-500G   Sigma   Sigma   1     132.   PIS buffer, Cat. No. RM659-100G   Himedia   Himedia   1     133.   ZX SSC, Cat. No. T9171, 5 pouch   DSS   DSS Takara   Takara   1     134.   PG buffer, Cat. No. 15656-100G   Sigma   Sigma   1     135.   Thiourea, Cat. No. 15656-100G   Sigma   Sigma   1     136.   Thiourea, Cat. No. 15656-100G   Sigma   Sigma   1     137.   Ampholytes, 03066-10ML   Sigma   Sigma   1     138.   ADP. ZResin, Cat. No. 10357   Sigma   Sigma   1     138.   ADP. ZResin, Cat. No. 10357   Sigma   Sigma   1     139.   Ampholytes, 03066-10ML   Sigma   Sigma   1     130.   ADP. ZResin, Cat. No. 156914-   Sigma   Sigma   1     140.   Protein purification kit, Cat. No.   Sigma   Sigma   1     141.   Sodium bicarbonate, Cat. No. SS761- Sigma   Sigma   1     142.   HEPES, Cat. No. MB016-500G   Himedia   Himedia   Limedia   Himedia   Limedia   Lim							
126.   Acrylamide, Cat. No. M8088-100GM	125.	24 hrs, 24-48 hrs, 48-72 hrs, 72 hrs-	Local	Local	6 slides		
127.   Sarcosyl, Cat. No. MB108-Sign   Himedia   Himedia   1   1   1   1   1   1   1   1   1	126.		Himedia	Himedia	1		
128.   Centrifuge bottle, Cat. No. 544040, 1000ml (wide mouth)							
MB015-25GM   130. DAPI, Cat. No. 268298-10MG   Sigma   Sigma   3   130. DAPI, Cat. No. 268298-10MG   Sigma   Sigma   1   131. Ultrapure Urea, Cat. No. RM659-100G   Sigma   Sigma   1   132. PIPES buffer, Cat. No. RM659-100G   Himedia   Himedia   1   1   1   1   1   1   1   1   1		Centrifuge bottle, Cat. No.544040,			1 pk		
131   Ultrapure Urea, Cat. No. 51456-500G   Sigma   1   1   1   1   1   1   1   1   1	129.	MB015-25GM	Himedia	Himedia			
133.   PIPES buffer, Cat. No. RM659-100G		,			3		
133.   2X SSC, Cat. No. T9171, 5 pouch   DSS   Takara   1     134.   IPG buffer, Cat. No. GE17-6000-87   Sigma   Sigma   1     135.   Thiourea, Cat. No. T8656-100G   Sigma   Sigma   1     136.   IPG strips, Cat. No. GE17-6001-11, pack of 7 cm   1     137.   Ampholytes, 30366-10ML   Sigma   Sigma   1     138.   XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1     139.   Deuterated DMSO, Cat. No. 156914-							
Takara					1		
134. IPG buffer, Cat. No. GE17-6000-87   Sigma   Sigma   1   1   1   1   1   1   1   1   1	133.	2X SSC, Cat. No. 19171, 5 pouch		DSS Takara	,		
136.   Pic strips, Cat. No. 78656-100G   Sigma   Sigma   1	124	IDC buffor Cot No. CE17 6000 97		Sigmo			
136.   PCs strips, Cat. No. GE17-6001-11, pack of 7 cm   1   137. Ampholytes, 03066-10ML   Sigma   Sigma   1   138.   XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1   139.   Deuterated DNSO, Cat. No. 156914- 10XO.25Ml   Sigma   Sigma   1   1   140.   Protein purification kit, Cat. No.   Sigma   Sigma   Sigma   1   1   140.   Protein purification kit, Cat. No.   Sigma   Sigma   CE0050-1KT   Sigma   Si							
pack of 7 cm					!		
138. XAD-2 Resin, Cat. No. 10357   Sigma   Sigma   1     139. Deuterated DMSO, Cat. No. 156914-   Sigma   Sigma   1     140. Protein purification kit, Cat. No.   CE0050-1KT     141. Sodium bicarbonate, Cat. No. S5761-   Sigma   Sigma   CE0050-1KT     141. Sodium bicarbonate, Cat. No. S5761-   Sigma   Sigma		pack of 7 cm	9	_			
139.   Deuterated DMSO, Cat. No. 156914- 10X0.25Ml   1							
10X0_2SM    1					1		
CE0050-1KT		10X0.25MI	•	_	1		
142		CE0050-1KT			1		
143.   3-(4,5-dimethyl-2-thiazolyl-2,5-diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-5G	141.	500G	-	_	1		
diphenyl-2H-tetrazolium bromide (MTT), Cat. No. M2128-56   1   1   1   1   1   1   1   1   1					2		
MEM); Cat. No AL047S-500ML	143.	diphenyl-2H-tetrazolium bromide	Ç		1		
TCL008-100ML	144.	(MEM); Cat. No AL047S-500ML	Himedia	Himedia	4		
Solution 100X, Cat. No ACL006-100ML	145.		Himedia	Himedia	1		
147.         Tris HCI, 500 G., Cat. No. TC073         Himedia         1           148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         Case           152.         Ammonium dihydrogen orthophosphate, Cat. NoGRM278-500G         Himedia         Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100         Himedia         Himedia         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         Himedia         2 PK           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson         Tarson           158.         Tris-EDTA buffer solution pH 7.0, Cat.         Himedia         Himedia         Himedia	146.	Solution 100X, Cat. No ACL006-	Himedia	Himedia	1		
148.         Methanol HPLC, Cat. No. AS 061, 2.5 ltr         Himedia         Himedia         5           149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Thermo Thermo Scientific         Scientific Case           152.         Ammonium dihydrogen orthophosphate, Cat. NoGRM278-500G         Himedia Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma Sigma Sigma 1         1           154.         NBT, Cat. No. MB107-1G         Himedia Himedia Himedia         1           155.         L-Methionine, Cat. No. TC080, 100 GM         Himedia Himedia         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia Himedia         2 PK           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson Tarson Tarson Tarson Tarson No. 950010         1 Pk           158.         Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia         Himedia Himedia Himedia Himedia Himedia         Himedia	147.		Himedia	Himedia			
149.         T-75 Cell culture flask, 100/Pk, Cat. No. 950020         Tarson         1 pk           150.         CTAB, Cat. No. MB101-500G         Himedia         Himedia         1           151.         Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977         Thermo Scientific         Scientific         Case           152.         Ammonium dihydrogen orthophosphate, Cat. NoGRM278-500G         Himedia         Himedia         Himedia           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia           155.         L-Methionine, Cat. No. TC080, 100         Himedia         Himedia           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         Himedia           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson           158.         Tris-EDTA buffer solution pH 7.0, Cat.         Himedia         Himedia	148.	Methanol HPLC, Cat. No. AS 061, 2.5	Himedia	Himedia	5		
151. Circular cover slips (for adherent cells), 22 mm. dia., Cat. No 174977 Scientific Scientific case  152. Ammonium dihydrogen orthophosphate, Cat. NoGRM278-500G Sigma Sigma 1 154. NBT, Cat. No. MB107-1G Himedia Himedia 1 155. L-Methionine, Cat. No. TC080, 100 Himedia GM 1 156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G Tarson No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia Himedia Himedia Himedia Tarson Tarson Tarson Tarson Tarson Tarson Himedia Himedia Himedia Himedia Himedia Tarson Tarson Tarson Tarson Tarson Tarson Tarson Tarson Tarson Himedia Himedia Himedia Himedia Himedia Himedia Himedia Tarson Himedia Himedia Himedia Himedia Himedia Himedia		No. 950020			1 pk		
cells), 22 mm. dia., Cat. No 174977ScientificScientificcase152.Ammonium dihydrogen orthophosphate, Cat. NoGRM278- 500GHimediaHimedia153.PVP, Cat. No. PVP40500GSigmaSigma1154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100HimediaHimediaGM1Himedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimedia2 PK157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson158.Tris-EDTA buffer solution pH 7.0, Cat.HimediaHimedia					_		
152. Ammonium dihydrogen orthophosphate, Cat. NoGRM278-500G  153. PVP, Cat. No. PVP40500G  154. NBT, Cat. No. MB107-1G  155. L-Methionine, Cat. No. TC080, 100  GM  156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia  Himedia  Himedia  Himedia  Himedia  Himedia  Himedia  Himedia  Tarson  Tarson  1 Pk	151.				-		
orthophosphate, Cat. NoGRM278- 500G         500g           153.         PVP, Cat. No. PVP40500G         Sigma         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100         Himedia         1           GM         1         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         2 PK           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson           158.         Tris-EDTA buffer solution pH 7.0, Cat.         Himedia         Himedia					case		
153.         PVP, Cat. No. PVP40500G         Sigma         1           154.         NBT, Cat. No. MB107-1G         Himedia         Himedia         1           155.         L-Methionine, Cat. No. TC080, 100         Himedia         1           GM         1         1         1           156.         Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G         Himedia         2 PK           157.         T-25 Cell culture flask, 100/Pk, Cat. No. 950010         Tarson         Tarson         1 Pk           158.         Tris-EDTA buffer solution pH 7.0, Cat.         Himedia         Himedia         Himedia	152.	orthophosphate, Cat. NoGRM278-	Hımedia	Himedia	500a		
154.NBT, Cat. No. MB107-1GHimediaHimedia1155.L-Methionine, Cat. No. TC080, 100 GMHimediaHimedia1156.Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500GHimediaHimedia157.T-25 Cell culture flask, 100/Pk, Cat. No. 950010TarsonTarson158.Tris-EDTA buffer solution pH 7.0, Cat.HimediaHimedia	153.		Sigma	Sigma	_		
155. L-Methionine, Cat. No. TC080, 100 Himedia Himedia 1  156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia							
156. Sodium Phosphate Dibasic Dihydrate, 500 gm, Cat. No. MB126-500G  157. T-25 Cell culture flask, 100/Pk, Cat. Tarson No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia		L-Methionine, Cat. No. TC080, 100					
157. T-25 Cell culture flask, 100/Pk, Cat. Tarson Tarson No. 950010  158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia	156.	Sodium Phosphate Dibasic Dihydrate,	Himedia	Himedia			
158. Tris-EDTA buffer solution pH 7.0, Cat. Himedia Himedia	157.	T-25 Cell culture flask, 100/Pk, Cat.	Tarson	Tarson			
	158.	Tris-EDTA buffer solution pH 7.0, Cat.	Himedia	Himedia			



159.	DTT, Cat. No. MB070, 5 gm	Himedia	Himedia	1		
160.	Peptone Bacteriological, Cat No	Himedia	Himedia			
100.	RM001-500G	Timiodia	riiiriodia	1		
161.	Sodium molybdate, Cat. No. 243655-	Sigma	Sigma			
	100G	<b>9</b> .ga	J.g	1		
162.	DNA extraction kit, Cat. No MB505-	Himedia	Himedia			
	250PR			1		
163.	Thiamine HCl, Cat. No. CMS182-25G	Himedia	Himedia	2		
164.	RNASE A, Cat. No. 10109142001,	Sigma	Sigma			
	Make: Sigma	3	- 3	2		
165.	PCR Purification Kit, Cat. No. 28104	QIAGEN	QIAGEN	2		
166.	Isopropanol, Cat. No. AS067, 500 ml	Himedia	Himedia	1		
167.	Ethyl acetate, Cat. No. 270989-2L	Sigma	Sigma	1		
168.	Proteinase K, Cat. No. P4032-5G	Sigma	Sigma	1		
169.	24 well plates, 50/Pk, Cat. No. 980030	Tarson	Tarson	1 Pk		
170.	PVP, Cat. No. P2037-500G	Sigma	Sigma	1		
171.	PVPP, Cat. No. 1073020100	Merck	Merck	1		
172.	L-Methionine, Cat. No. 1057070025	Sigma	Sigma	1		
173.	GSSG, Cat. No. G4626-1G	Sigma	Sigma	1		
174.	NADH, Cat. No. 10128023001	Sigma	Sigma	2		
175.	DAB substrate, Cat. No. 11718096001	Sigma	Sigma	2		
176.	DTNB, Cat. No. D8130-10G	Sigma	Sigma	1		
177.	2,6-dichlorophenolindophenol	Sigma	Sigma	1		
	(DCPIP), Cat. No. D1878-5G	Ü	· ·			
178.	Ferric chloride, Cat. No. 157740-100G	Sigma	Sigma	1		
179.	Potassium ferri cyanide, Cat. No.	Sigma	Sigma	1		
	702587-250G	Ü	· ·			
180.	Sodium azide, Cat. No. S8032-100G	Sigma	Sigma	1		
181.	NADPH, Cat. No. 10107824001,	Sigma	Sigma	1		
	Make: Sigma	_	-			
182.	Sodium carbonate (Na2CO3), Cat.	Sigma	Sigma	1		
	No. 223530-500G		-			
183.	DMSO, Cat. No. MB058-500ML	Himedia	Himedia	4		
184.	Acetone, Cat. No. 650501-1L	Himedia	Himedia	3		
185.	Buffer capsule pH 4.0, Cat. No. LA405	Himedia	Himedia	2		
186.	Buffer capsule pH 7.0, Cat. No. LA406	Himedia	Himedia	2		
187.	Buffer capsule pH 9.2, Cat. No. LA407	Himedia	Himedia	2		
188.	Hanna electrode cleaning and storage	Sigma	Sigma	1		
	solution Cat. No. Z655163-460ML					
189.	Hanna electrode cleaning and storage	Sigma	Sigma	1		
	solution Inorganic cleaning, Cat. No.					
15-	Z655198-460ML			_	1	
190.	Aminoguanidine hydrochloride, Cat.	Sigma	Sigma	1		
	No. 1937195-25GM					
191.	Ammonium acetate (NH4OAc), Cat.	Sigma	Sigma	1		
	No. 2145-1KG		<u> </u>	_	1	
192.	Tetramethyl piperidinooxy, Cat. No.	Sigma	Sigma	1		
	412686-1G		01			
193.	Lanthanum (III) chloride (LaCl3), Cat.	Sigma	Sigma	1		
1.5	No. 211605-100G					
194.	Potassium chloride (KCI), Cat. No.	Himedia	Himedia	2		
40-	MB043-500GM	0:	C:	4		
195.	Diphenylene iodonium chloride, Cat.	Sigma	Sigma	1		
465	No. 300260-10MG		0:			
196.	PMSF, Cat. No. 11359061001	Sigma	Sigma	1		
197.	Sucrose, Cat. No. MB025-500GM	Himedia	Himedia	1		
198.	Triton X-100, Cat. No. X100-500ML	Himedia	Himedia	1	1	
199.	Urea, Cat. No. GRM3976-500GM	Himedia	Himedia	1		<u> </u>



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

					asic Amount (Rs.) unt with GST (Rs.)	+
219.	Glass Cuvette	Borosil	Borosil	10		
218.	Quartz Cuvette	Borosil	Borosil	3		1
217.	Calcium Nitrate 500gm, Cat.No. GRM496	Himedia	Himedia	3 Pk.		
216.	Diethyl dithiocarbamate, Cat. No. 228680-100GM	Sigma	Sigma	2 Pk.		
215.	Muslin cloth (16 mt.)	Local	Local	4 pk.		
214.	Purple nitrile gloves (Medium), Cat. No. 370020	Tarson	Tarson	5 pK		
213.	NBT, Cat. No. MB107-1G	Himedia	Himedia	4		<u> </u>
212.	Glutaraldehyde solution (25%), Cat. No. MB222-100ML	Himedia	Himedia	1		
211.	NuPage transfer buffer 20X, Cat.No. NP0006-1L	Thermo Fisher	Thermo Fisher	1		
210.	Whatman filter paper	Whtaman	Whtaman	2 pk.		
209.	PEG MW6000, Cat. No. MB149- 500GM	Himedia	Himedia	8		
208.	Nitrocellulose Pre-cut blotting membrane 0.45 μm, Cat. No. LC2000, Make: Thermo Fisher	Thermo Fisher	Thermo Fisher	2 Pk		
207.	Manganese chloride, Cat. No. PCT0112-500GM	Himedia	Himedia	1		
206.	Magnesium sulphate Heptahydrate, Cat. No. PCT0008-1KG	Himedia	Himedia	1		
205.	Magnesium chloride, Cat. No. MB237-500GM	Himedia	Himedia	1		
204.	Potassium sulphate, Cat. No. PCT0011-500GM	Himedia	Himedia	1		
203.	Ferrous sulphate, Cat. No. GRM1377-500GM	Himedia	Himedia	1		
202.	Di sodium hydrogen orthophosphate, Cat. No. GRM1417-500GM	Himedia	Himedia	1		
201.	Copper (II) sulphate pentahydrate, Cat. No. PCT0104	Himedia	Himedia	1		
200.	Di Potassium hydrogen phosphate, Cat. No. GRM168-500GM	Himedia	Himedia	1		

#### Note:

- 1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
- 2. No extra payment shall be made up and above of the quoted total price.
- 3. University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.

Date:	
	Signature
	Name:

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### FINANCIAL BID PROFORMA

(It should be submitted in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/Chemicals/T/25/2019-20, Date: 30/01/2020

Subject: Supply of "Laboratory Chemicals & Consumables".

Name of Department: Environmental Science (Annexure 'C')

Name of the Bidder:	
---------------------	--

SI No	Name of Items	Capacity	Make /Manufacturer	Qty.	*GST rate @	Unit Price Inclusiv e of GST/ delivery/ other/ charges	Total Price Inclusive of GST/ delivery/ other/ charges
1	Flask Volumetric	50 ml	Duran/Reviera	60 pcs.			
2	Flask Volumetric Amber	1000 ml	Duran/Reviera	10 Pcs.			
3	Flask Volumetric	1000 ml	Duran/Reviera	10 Pcs.			
4	Watch Glass	small	Duran/Reviera	40 pcs.			
5	Separatory funnel	1000 ml	Duran/Reviera	3 Pcs.			
6	Beaker	50 ml	Duran/Reviera	50 pcs.			
7	Measuring cylinder	500 ml	Duran/Reviera	10 Pcs.			
8	Measuring cylinder	1000 ml	Duran/Reviera	5 pcs.			
9	Crystallizing disc	300ml	Duran/Reviera	50 pcs.			
10	Crystallizing disc 900ml	900 ml	Duran/Reviera	20 pcs.			
11	Filtration assembly with pump	250 ml.	Tarson	2 pcs.			
12	Silica Crucible small 25ml	25 ml	Duran/Reviera	50 pcs.			
13	Crucible Quartz small 25ml	26 ml	Duran/Reviera	50 pcs.			
14	pH Meter Pen type	(pHTest 20)	Duran/Reviera	10 Pcs.			
15	Fin Pipette	100-1000ul	Duran/Reviera	5 pcs.			
16	EC meter		Duran/Reviera	10 Pcs.			
17	Beaker plastic	5000 ml	Abdos	5 pcs.			
18	Burette stand		Abdos	15pcs.			
19	Burette clamp		Abdos	12pcs.			
20	Sedgewick Rafter Cell	01 pc	Duran/Reviera	1 pc.			
21	Cavity block 50mm	50 mm	Duran/Reviera	50 pcs.			
22	Cuvette plastic 10 mm	1.5 ml	Duran/Reviera	1 pkt (1000no)			
23	Motor pistal large	Large	Any make	5 pcs.			
24	Soil Hydrometer		Any make	5 pcs.			
25	Thermometer	100 degree	Any make	10Pcs.			



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	CENTRIFUGE		_			
	TUBE (50 ML)	50 ml.	Tarson	500 pcs		
26	Plastic					
	CENTRIFUGE	05				
27	TUBE ) Plastic	25 ml.	Tarson	500 Pcs.		
	Spatula (Semi			000.00.		
28			Borosil	10 Pcs.		
	Micro)	/ <del></del> : .	DOTOSII	TO PCS.		
	Acetone	Merck/Fish	2500 ml. x 4			
29	7.00.0.10	er/Himedia	2000 11111 74 1	4		
30	2,4 heptadienal	Sigma	1 gm x 1	5		
31	2,4 Octadienal	Sigma	100 gm. X 1	1		
	Almunium potasium	Merck/Fish		·		
32	•		500gm.x1	4		
32	sulphate	er/Himedia	_	1		
	Acrilamide	Merck/Fish	500 gm. x1			
33	7.0	er/Himedia		1		
	AGAROSE LE	Merck/Fish	500 am v1			
34	AGAROSE LE	er/Himedia	500 gm.x1	1		
		Merck/Fish	· -			
35	Ammonia solution	er/Himedia	500 ml. x5	5		
- 33	Ammonium			3		
00	Ammonium	Merck/Fish	500 gm.x1			
36	molybdate	er/Himedia	3	1		
	Ammonium Acetate	Merck/Fish	500 gm. x1			
37	Ammonium Acetate	er/Himedia	500 gill. X i	1		
	Ammonium Ceric	Merck/Fish				
38	Nitrate	er/Himedia	500gm. x1	1 1		
- 30	Milate	Merck/Fish		'		
20	Ammonium chloride		500 gm. x2	0		
39		er/Himedia		2		
	Ammonium	Merck/Fish				
	Dihydrogen	er/Himedia	500 gm. x1			
40	phosphate	ei/Hillieula		1		
	Ammonium ferrous	Merck/Fish				
41	sulphate	er/Himedia	500 gm .x 5	5		
71	Ammonium nickel	Merck/Fish				
40			500 gm. x1	4		
42	Sulphate	er/Himedia		1		
	Ammonium	Merck/Fish	25gm.x1			
43	Perporate	er/Himedia		1		
	Ammonium	Merck/Fish	E00 am 1/4			
44	Sulphate	er/Himedia	500 gm. x1	1		
		Merck/Fish		<u> </u>		
45	Anthron GR	er/Himedia	100 gm. x 1	1		
45				<u>'</u>		
1.0	Arsenic trioxide	Merck/Fish	500 gm. x1			
46		er/Himedia		1		
	Barium Chloride	Merck/Fish	500 gm. X1			
47	Danum Chionde	er/Himedia	Joo giii. A i	1		
		Merck/Fish				
48	B-estradiol	er/Himedia	1 gm.x 1	1		
70		Merck/Fish		<del>  '</del>		
10	BG11		500 gm.x1	,		
49		er/Himedia		1		
	Bio-chemical Test	Merck/Fish	04 pkt (20kits			
50	Kit	er/Himedia	each)	4		
	0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	Merck/Fish	500 1			
51	Calciaum Nitrate	er/Himedia	500gm. x1	1		
		Merck/Fish		<u>'</u>		
FO	Calcium Carbonate		500 gm. x1	4		
52		er/Himedia	-	1		



				, , ,		
53	Calcium phosphate	Merck/Fish er/Himedia	500 gm.x1	1		
54	CDTA	Himedia	100gm.x1	1		
	Chlorotrimethylsilan	Merck/Fish		-		
55	e	er/Himedia	500 ml. x1	1		
56	Citric acid	Merck/Fish er/Himedia	1000 gm. x1	1		
57	Colambia CNA Agar	Himedia	500 gm.x1	1		
58	Copper sulphate	Merck/Fish er/Himedia	500 gm. x1	1		
59	SYBRGreen JumpStart Taq ReadyMix	Merck	1Pkt of 100 Reac.	1		
60	DCM(Dichloro- methane)	Himedia	500ml. X2	2		
61	Dextrose monohydrate	Merck/Fish er/Himedia	500 gm.x 1	1		
62	D-Galactose	Merck/Fish er/Himedia	250 gm.x1	1		
63	Diacetyle fluorocine	Merck/Fish er/Himedia	5 gm. x1	1		
64	DiPotassium hydrogen phosphate	Merck/Fish er/Himedia	500 gm.x 1	1		
65	Disodium hydrogen orthophosphate	Merck/Fish er/Himedia	500 gm.x 1	1		
66	DURHAM'S TUBE	Merck/Fish er/Himedia	5 pkt	5		
67	EDTA DiSodium Salt	Merck/Fish er/Himedia	500 gm. x4	4		
68	EDTA Pure	Merck/Fish er/Himedia	500gm. x1	1		
69	Ethanol Pure	Merck/Fish er/Himedia	500mlx 10	10		
70	Ethyle Acetate	Merck/Fish er/Himedia	500 ml X 2	2		
71	Feroine Indicator	Merck/Fish er/Himedia	125 ml. x4	4		
72	Ferric sulphate	Merck/Fish er/Himedia	500 gm. x1	1		
73	FILTER PAPER 100 mm	Merck/Fish er/Himedia	10 pkt	10		
74	Flukonazole salt	Merck/Fish er/Himedia	10 dics	1		
75	Glucose	Merck/Fish er/Himedia	500 gm. x 1	1		
76	GRAM STAINING KIT	Merck/Fish er/Himedia	4 kit	4		
77	Heptadanial	Merck/Fish er/Himedia	1EA	1		
78	Hydrochloric Acid	Merck/Fish er/Himedia	500 ml. x10	10		
79	Hydrogen Peroxide	Merck/Fish er/Himedia	500 ml. x10	10		



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80	HYDROGEN PEROXIDE conc	Merck/Fish er/Himedia	500 ml x10	10		
81	Isoamyl Alcohol	Merck/Fish er/Himedia	500 ml. x 1	1		
82	Itrokonazole salt	Merck/Fish er/Himedia	10 dics.	1		
83	KetaKonazole salt	Merck/Fish er/Himedia	10 dics.	1		
84	Laboline	Merck/Fish er/Himedia	5 ltr x3	3		
85	Lactose	Merck/Fish er/Himedia	1000 gm. x1	1		
86	LURIA BERTANI BROTH	Merck/Fish er/Himedia	500 gm. x2	2		
87	Lysozyme	Himedia	5gm.x1	1		
88	M9 MINIMAL MEDIA	Merck/Fish er/Himedia	500 gm.x 2	2		
89	MACCONKEY'S AGAR	Merck/Fish er/Himedia	500 gm. X1	1		
90	Magnassium Chloride	Merck/Fish er/Himedia	500 gm.x1	1		
91	Mangnaous chloride	Merck/Fish er/Himedia	1000 gm. x1	1		
92	Mangnease II sulphate(Magnaous sulphate)	Merck/Fish er/Himedia	500 gm. x1	1		
93	Mangnease sulphate monohydrate	Merck/Fish er/Himedia	500 gm. x1	1		
94	Mercury Chloride	Merck/Fish er/Himedia	100 gm. x1	1		
95	Mercury Sulphate	Merck/Fish er/Himedia	100 gm. x 2	2		
96	Meta Genomic Test Kit	Merck/Fish er/Himedia	2Kit	2		
97	Methanol	Merck/Fish er/Himedia	4 Liter. x1.	1		
98	Methyl Blue	Merck/Fish er/Himedia	25gm.x1	1		
99	Methyl Bromide	Merck/Fish er/Himedia	100 ml. x 1	1		
100	Methyl Orange	Merck/Fish er/Himedia	25 gm. x 2	2		
101	Microcystin LR Solution	Merck/Fish er/Himedia	210ug. X 5	3		
102	N,O- Bis(trimethylsilyl)trifl uoracetamide	Merck/Fish er/Himedia	25 gm. X 1	1		
103	Neutral Red AR	Merck/Fish er/Himedia	100 gm. x 1	1		
104	Nickle Nitrate	Merck/Fish er/Himedia	500 gm. x1	1		
105	NILE RED (FLUROSCENT)	Merck/Fish er/Himedia	1 gm. X 5	5		



	N-Lauryl surcosine Sodium Salt	Merck/Fish er/Himedia	100 gm. x 1	1		
	Nodularine	Merck/Fish er/Himedia	250 ug. x 1	1		
	Nutrient Agar	Merck/Fish er/Himedia	500 gm. X 2	2		
	Nutrient Broth	Merck/Fish er/Himedia	500 gm. X 3	3		
	Nyle Red	Merck/Fish er/Himedia	1 gm. x 1	1		
111	Nystatin salt	Merck/Fish er/Himedia	8 pkt	1		
112	Octadienial	Merck/Fish er/Himedia	100 gm. 1	1		
113	Perchloric Acid	Merck/Fish er/Himedia	500 ml. x 5	5		
114	Poly carbonate black Filter pore size 10um	Merck/Fish er/Himedia	1Pkt	1		
	poly carbonate black Filter pore size 20um	Merck/Fish er/Himedia	1 pkt	1		
	Potasium Chloroplatinate	Merck/Fish er/Himedia	1 gm. x 1	1		
	Potasium hydrogen Carbonate(bicarbon ate)	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium Sulphate	Merck/Fish er/Himedia	500 gm. x1	1		
	Potassium acetate	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium Aluminium sulphate Dihydrate	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium antimony tartrate	Merck/Fish er/Himedia	250 gm. x 1	1		
122	Potassium Bromide	Merck/Fish er/Himedia	500 gm. x 1	1		
1	Potassium Chloro- platinate	Merck/Fish er/Himedia	1 gm. X 5	5		
124	Potassium Chromate	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium Dihydrogen Phosphate	Merck/Fish er/Himedia	500 gm. x1	1		
	Potassium Hexacynoferrate II	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium hydrogen Phosphate anhydrous	Merck/Fish er/Himedia	500 gm. x1	1		
	Potassium hydrogen Sulphate	Merck/Fish er/Himedia	500 gm. x 1	1		
	Potassium Hydroxide	Merck/Fish er/Himedia	500 gm. X 1	1		



	PROTENASE K	Merck/Fish	5 pkt of 100mg	,	FIN- 024 230	
130	Protinase K	er/Himedia Himedia		5 3		
131	Rnase A(Dnase		100mgx3	3		
132	free)	Himedia	100mgx1	2		
133	Salt A china	Merck/Fish er/Himedia	500 ml. x 20	20		
134	Silver Sulphate	Merck/Fish er/Himedia	25 gm. x10	10		
135	Sodium Acetate	Merck/Fish er/Himedia	500 gm. x 1	1		
136	Sodium Azide	Merck/Fish er/Himedia	500 gm. x 1	1		
137	Sodium Chloride	Merck/Fish er/Himedia	1000 gm.	2		
138	Sodium Citrate	Merck/Fish er/Himedia	100 gm. x 2	2		
139	Sodium Dihydrogen Orthophosphate	Merck/Fish er/Himedia	500 gm.x 1	1		
140	Sodium Disulphite(Sodium metabisulphide)	Merck/Fish er/Himedia	500 gm. x 1	1		
141	Sodium Fluoride	Merck/Fish er/Himedia	500 gm. x 1	1		
142	Sodium Hexametaphosphat e	Merck/Fish er/Himedia	500 gm .x2	2		
143	Sodium Hydrogen Carbonate (Bicarbonate)	Merck/Fish er/Himedia	500 gm.x1	1		
144	Sodium Hydroxide	Merck/Fish er/Himedia	500 gm.x4	4		
145	Sodium Hypochlorite	Merck/Fish er/Himedia	500 ml.x1	1		
146	Sodium Iodide	Merck/Fish er/Himedia	500 gm.x1	1		
147	Sodium Phosphate	Merck/Fish er/Himedia	500 gm.x2	2		
148	Sodium Tetra Borate	Merck/Fish er/Himedia	500 gm x2	2		
149	Spand GR	Merck/Fish er/Himedia	25 gm.x1	1		
150	Sprit	Any Make	500ml.x10	10		
151	Staptomycine	Merck/Fish er/Himedia	25 gm.x1	1		
152	Sucrose	Merck/Fish er/Himedia	500 gm.x1	1		
153	SulPhuric acid	Merck/Fish er/Himedia	500 ml.x20	20		
154	TES Buffer	Himedia	100gm.x1	1		
155	Thymol Blue	Merck/Fish er/Himedia	25 gm.x1	1		
156	Tris Base	Himedia	500gm.x2	2		
157	Streptomycine	Himedia	25gm.x1	1		



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

	tetracycline salt	·				
158	Penciline salt	Himedia	10mux1	1		
159	Micro Plastic (Polystyrene) Code 72986-5ML-F	Merck	1 Pc. (5 ml.)	1		
160	Filter paper no-41	Whatman	5 Packet	5		
161	Filter Paper 47 mm	Merck	10 pkt	10		
162	pH paper 1-14	Himedia	pkt	5		
163	Cotton non absorbent	Any Make	pkt	5		
164	Cotton absorbent	Any Make	pkt	5		
165	Gauge cloth	Any Make	pkt	5		
166	Tissue Roll	Any Make	pcs	100		
167	Kim wipe tissue	Abdos	pkt	5		
168	Aluminium foil	Any Make	kg	5		
169	Syringe 1 ml	Any Make	pkt	1		
170	Syringe 5 ml	Any Make	pkt	1		
171	Syringe 10 ml	Any Make	pkt	1		
172	Tub plastic large	Any Make	pcs	5		
173	Test tube brush	Any Make	pcs	10		
174	Angle brush	Any Make	pcs	10		
175	Tray plastic	Any Make	pcs	10		
176	Zip bag 250 gm	Any Make	pkt	10		
177	Zip bag 500 gm	Any Make	pkt	10		
178	Zip bag 1000 gm	Any Make	pkt	10		
179	Pipet bulb small	Abdos	PCS.	25		
180	Slide Box	Abdos	pkt	20		
181	Mask	Any Make	pkt	5		
182	Acid Proof gloves (elbow)	Any Make	Pair	5		
183	Acid Proof Appron	Any Make	pc.	5		
Total Basic Amount (Rs.)						
					nt with GST (Rs.	)
Total Amount in Words (Rs)						

#### Note:

- 1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
- 2. No extra payment shall be made up and above of the quoted total price.
- 3. University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.

	Signature	
Date:	Name:	
	Page <b>71</b> of <b>82</b>	

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

## FINANCIAL BID PROFORMA

(It should be submitted in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/Chemicals/T/25/2019-20, Date: 30/01/2020

**Subject: Supply of "Laboratory Chemicals & Consumables".** 

Name of Department: Physics (Annexure 'D')

١	lame of	the	Bidder:	

SI. No.	Chemical/Consumable name	Manufacturer	Quantity	*GST rate @	Unit price (Rs.) Inclusive GST/ delivery/ Other charges	Total price (Rs.) Inclusive GST/ delivery/ Other charges
1	Iron Oxide (Purity 99.9%)	(Merck)	500g			
2	Copper Oxide (Purity 99.9%)	(Merck)	200g			
3	Zinc Oxide (Purity 99.9%)	(Merck)	200g			
4	Titanium Oxide (Purity 99.9%)	(Merck)	200g			
5	Nickel Oxide (Purity 99.9%)	(Merck)	200g			
6	Zirconium Carbide (Purity 99.9%)	(Merck)	100g			
7	Titanium Carbide (Purity 99.9%)	(Merck)	100g			
8	Neodymium Carbide (Purity 99.9%)	(Merck)	100g			
9	Silicon Carbide (Purity 99.9%)	(Merck)	250g			
10	Tantalum Carbide (Purity 99.9%)	(Merck)	10g			
11	Acetone (AR Grade)	(SRL)	5L			
12	Toluene	(SRL)	2.5L			
13	Iron Nitride (Purity 99%)	(SRL)	100g			
14	Copper Nitride (Purity 99%)	(SRL)	100g			
15	Zinc Nitride (Purity 99%)	(SRL)	100g			
16	Titanium Nitride (Purity 99%)	(SRL)	100g			
17	Nickel Nitride (Purity 99%)	(SRL)	100g			
18	Liquid Nitrogen	Chemix spacility gas equipament	400L			
19	Argon (Purity 99.99%) filled Cylinder (45L)		1			

Argon (Commercial Grade) (Illed Cylinder (45L) (gas equipament 1   1   20Kg   1   20Kg   20Kg	-	Post- Fatenpur, P.S.	- Tekan, District- G	вауа (Бінаі <i>)</i> г	11N- 024 Z	30
Hydrogen Filled Cylinder   Chemix spacility   gas equipament   1	20	, ,		1		
22	21	Freon (R134a)		20Kg		
23   (Commercial Grade)   gas equipament   1	22	Hydrogen Filled Cylinder				
25	23			1		
Silver Conducting Paste   (20g)   (Techinstro)   2   2   2   2   2   2   2   2   2	24	Soldering Wire	(Merck)	100gm roll		
Carbon Tape (20 m length)	25			1		
28         Ferrous Cloride (99%, 10g)         (Sigma Aldrich)         25gm           29         Methanol (AR Grade)         (Sigma Aldrich)         1L           30         Triglycine Sulphate(TGS) (Purity 99%)         (Sigma Aldrich)         100gm roll           31         PVDF         (Sigma Aldrich)         1 Rolls           32         TrFE         (Sigma Aldrich)         1 L           33         D4540-1L) (Sigma Aldrich)         (Sigma Aldrich)         1 L           34         1L) (Sigma Aldrich)         (Sigma Aldrich)         1 L           34         1L) (Sigma Aldrich)         (Sigma Aldrich)         1 L           35         Aldrich)         (Sigma Aldrich)         250mg           36         25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           37         Aldrich)         (Sigma Aldrich)         100g           38         Aldrich)         (Sigma Aldrich)         25g           39         253103-56) (Sigma Aldrich)         (Sigma Aldrich)         25g           40         (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           40         (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         500g           41         19(NO <sub>3</sub> ) <sub>3</sub> -5H <sub>2</sub> O (Purity 98%) <td>26</td> <td></td> <td>(Techinstro)</td> <td>2</td> <td></td> <td></td>	26		(Techinstro)	2		
Methanol (AR Grade)	27	Carbon Tape (20 m length)	(Sigma Aldrich)	1 Rolls		
29    Methanol (AR Grade)	28	Ferrous Cloride (99%, 10g)	(Sigma Aldrich)	25gm		
Triglycine Sulphate(TGS) (Purity 99%)   100gm roll   10	29	Methanol (AR Grade)	(Sigma Aldrich)			
31 PVDF (Sigma Aldrich) 1 Rolls  32 TrFE (Sigma Aldrich) 1 Rolls  33 D4540-1L) (Sigma Aldrich) (Sigma Aldrich) 1L  1-Octanol (Code: 293245- 4 LL) (Sigma Aldrich) (Sigma Aldrich) 1L  Pentacontane (Code: 76491-250MG) (Sigma Aldrich) 250mg  Octadecane (Code: 0652- 25G) (Sigma Aldrich) (Sigma Aldrich) 25g  Trimesic acid (Code: 482749-100G) (Sigma Aldrich) 25g  Trimesic acid (Code: 482749-100G) (Sigma Aldrich) 100g  Phenyloctane (Code: 113190-25G) (Sigma Aldrich) 25g  H-Phthalocyanine (Code: 113190-25G) (Sigma Aldrich) 5g  Sal Aldrich) (Sigma Aldrich) 5g  Cobalt(II) phthalocyanine (Code: (Sigma Aldrich) 1g  Aldrich) (Sigma Aldrich) 1g  Bi(NO3)3 -5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich) 500 g  I Fe(NO3)3-9H <sub>2</sub> O (Purity 98%) (Sigma Aldrich) 500 g  2-methoxyethanol (Purity 98%) (Sigma Aldrich) 500mL  Aceticanhydride (Purity 99%) (Sigma Aldrich) 500mL  La(NO3)3-5H <sub>2</sub> O (Purity 99%) (Sigma Aldrich) 500mL  Aceticanhydride (Purity 99%) (Sigma Aldrich) 500mL  La(NO3)3-5H <sub>2</sub> O (Purity 99%) (Sigma Aldrich) 500mL  La(NO3)3-5H <sub>2</sub> O (Purity 99%) (Sigma Aldrich) 500mL						
31	30	(Purity 99%)		100am roll		
32   TrFE		PVDF	(Sigma Aldrich)			
Dimethyl Sulfoxide (Code: D4540-1L) (Sigma Aldrich)			· · ·			
1-Octanol (Code: 293245-   1L) (Sigma Aldrich)		Dimethyl Sulfoxide (Code:	(o.g			
34         1L) (Sigma Aldrich)         (Sigma Aldrich)         1L           Pentacontane (Code: 76491-250MG) (Sigma Aldrich)         (Sigma Aldrich)         250mg           35         Aldrich)         (Sigma Aldrich)         250mg           36         25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           Trimesic acid (Code: 482749-100G) (Sigma Aldrich)         (Sigma Aldrich)         100g           37         Aldrich)         (Sigma Aldrich)         25g           Phenyloctane (Code: 113190-25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           39         253103-5G) (Sigma Aldrich)         (Sigma Aldrich)         5g           Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           40         (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           41         (Sigma Aldrich)         (Sigma Aldrich)         500g           42         98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           2-methoxyethanol (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44         99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45         99.9%) (Sigma Aldrich)         (Sigma Aldrich)         100g	33	D4540-1L) (Sigma Aldrich)	(Sigma Aldrich)	1L		
Pentacontane (Code: 76491-250MG) (Sigma Aldrich)	34		(Sigma Aldrich)	1L		
35			(O.g.ma / manon)			
Octadecane (Code: O652- 25G) (Sigma Aldrich)         (Sigma Aldrich)         25g           Trimesic acid (Code: 482749-100G) (Sigma         (Sigma Aldrich)         100g           37 Aldrich)         (Sigma Aldrich)         100g           Phenyloctane (Code: 113190-25G) (Sigma         (Sigma Aldrich)         25g           4 H-Phthalocyanine (Code: 253103-5G) (Sigma Aldrich)         (Sigma Aldrich)         5g           Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)         (Sigma Aldrich)         1g           40 (Sigma Aldrich)         (Sigma Aldrich)         1g           41 (Sigma Aldrich)         (Sigma Aldrich)         500g           IFe(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)         (Sigma Aldrich)         500 g           2-methoxyethanol (Purity 43 99.8%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           44 99%) (Sigma Aldrich)         (Sigma Aldrich)         500mL           45 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         (Sigma Aldrich)         100g			(0)	0.50		
36       25G) (Sigma Aldrich)       (Sigma Aldrich)       25g         Trimesic acid (Code: 482749-100G) (Sigma       (Sigma Aldrich)       100g         37       Aldrich)       (Sigma Aldrich)       100g         Phenyloctane (Code: 113190-25G) (Sigma Aldrich)       (Sigma Aldrich)       25g         38       Aldrich)       (Sigma Aldrich)       5g         40       Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)       (Sigma Aldrich)       1g         40       (Code: 307696-1G) (Sigma Aldrich)       (Sigma Aldrich)       1g         41       (Sigma Aldrich)       (Sigma Aldrich)       500g         41       (Sigma Aldrich)       (Sigma Aldrich)       500 g         42       98%) (Sigma Aldrich)       (Sigma Aldrich)       500 g         43       99.8%) (Sigma Aldrich)       (Sigma Aldrich)       500mL         44       99%) (Sigma Aldrich)       (Sigma Aldrich)       500mL         44       99%) (Sigma Aldrich)       (Sigma Aldrich)       500mL         45       99.9%) (Sigma Aldrich)       (Sigma Aldrich)       100g	35		(Sigma Aldrich)	250mg		
Trimesic acid (Code: 482749-100G) (Sigma Aldrich)	36		(Sigma Aldrich)	25a		
Phenyloctane (Code: 113190-25G) (Sigma   (Sigma Aldrich)   25g		Trimesic acid (Code: 482749-100G) (Sigma				
38Aldrich)(Sigma Aldrich)25g39H-Phthalocyanine(Code: 253103-5G) (Sigma Aldrich)(Sigma Aldrich)5g40Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)(Sigma Aldrich)1gBi(NO3)3·5H2O (Purity 98%) (Sigma Aldrich)(Sigma Aldrich)500g[Fe(NO3)3·9H2O (Purity 98%) (Sigma Aldrich)(Sigma Aldrich)500 g2-methoxyethanol (Purity 4399.8%) (Sigma Aldrich)(Sigma Aldrich)500mLAceticanhydride (Purity 4499%) (Sigma Aldrich)(Sigma Aldrich)500mLLa(NO3)3·5H2O (Purity 99.9%) (Sigma Aldrich)(Sigma Aldrich)100g		,	, ,			
H-Phthalocyanine(Code: 253103-5G) (Sigma Aldrich)  Cobalt(II) phthalocyanine (Code: 307696-1G) (Sigma Aldrich)  Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%) (Sigma Aldrich)  Sigma Aldrich)  Bi(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity  42 98%) (Sigma Aldrich)  Cigma Aldrich)  Sigma Aldrich)  Soug  [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity  42 98%) (Sigma Aldrich)  Cigma Aldrich)  Soug  2-methoxyethanol (Purity  43 99.8%) (Sigma Aldrich)  Aceticanhydride (Purity  44 99%) (Sigma Aldrich)  La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity  45 99.9%) (Sigma Aldrich)  (Sigma Aldrich)  Sigma Aldrich)  SoumL	20	, , ,	(Cione a Alalaiala)	05.5		
39       253103-5G) (Sigma Aldrich)       (Sigma Aldrich)       5g         40       (Code: 307696-1G) (Sigma Aldrich)       1g         Aldrich)       1g       1g         Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 98%)       (Sigma Aldrich)       500g         41       (Sigma Aldrich)       (Sigma Aldrich)       500g         [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity       (Sigma Aldrich)       500 g         2-methoxyethanol (Purity       99.8%) (Sigma Aldrich)       (Sigma Aldrich)       500mL         Aceticanhydride (Purity       (Sigma Aldrich)       500mL         44       99%) (Sigma Aldrich)       (Sigma Aldrich)       500mL         La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity       (Sigma Aldrich)       100g	38		,	∠5g		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	39	253103-5G) (Sigma Aldrich)	(Sigma Aldrich)	5g		
41 (Sigma Aldrich) (Sigma Aldrich) 500g  [Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 42 98%) (Sigma Aldrich) (Sigma Aldrich) 500 g  2-methoxyethanol (Purity 43 99.8%) (Sigma Aldrich) (Sigma Aldrich) 500mL  Aceticanhydride (Purity 44 99%) (Sigma Aldrich) (Sigma Aldrich) 500mL  La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 45 99.9%) (Sigma Aldrich) (Sigma Aldrich) 100g	40	(Code: 307696-1G) (Sigma	(Sigma Aldrich)	1g		
42 98%) (Sigma Aldrich) (Sigma Aldrich) 500 g  2-methoxyethanol (Purity  43 99.8%) (Sigma Aldrich) (Sigma Aldrich) 500mL  Aceticanhydride (Purity  44 99%) (Sigma Aldrich) (Sigma Aldrich) 500mL  La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity  45 99.9%) (Sigma Aldrich) (Sigma Aldrich) 100g	41	(Sigma Aldrich)	(Sigma Aldrich)	500g		
43 99.8%) (Sigma Aldrich) (Sigma Aldrich) 500mL  Aceticanhydride (Purity 44 99%) (Sigma Aldrich) (Sigma Aldrich) 500mL  La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 45 99.9%) (Sigma Aldrich) (Sigma Aldrich) 100g	42	98%) (Sigma Aldrich)	(Sigma Aldrich)	500 g		
4499%) (Sigma Aldrich)(Sigma Aldrich)500mLLa(NO3)3·5H2O (Purity4599.9%) (Sigma Aldrich)100g	43		(Sigma Aldrich)	500mL		
La(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O (Purity 45 99.9%) (Sigma Aldrich) (Sigma Aldrich) 100g	44	` ` `	(Sigma Aldrich)	500ml		
45 99.9%) (Sigma Aldrich) (Sigma Aldrich) 100g	77		(Oigina Aldrion)	JOOITIE		
	45			100g		



glacial acetic acid (Purity 46 99.8%) (Sigma Aldrich)		1 oot 1 atempar, 1 .o			 
47   (Sigma Aldrich)   (Sigma Aldrich)   1000mL     48   (Sigma Aldrich)   (Sigma Aldrich)   1000mL     49   Di Water (Sigma Aldrich)   (Sigma Aldrich)   2500mL     50   Aldrich)   (Sigma Aldrich)   2 Pieces     51   Aldrich)   (Sigma Aldrich)   2 Pieces     52   Aldrich)   (Sigma Aldrich)   2 Pieces     53   Aldrich)   (Sigma Aldrich)   500g     54   Aldrich)   (Sigma Aldrich)   500g     55   (Sigma Aldrich)   (Sigma Aldrich)   500g     56   (Sigma Aldrich)   (Sigma Aldrich)   500g     57   (Sigma Aldrich)   (Sigma Aldrich)   500g     58   (Sigma Aldrich)   (Sigma Aldrich)   500g     59   (Sigma Aldrich)   (Sigma Aldrich)   500g     50   (Sigma Aldrich)   (Sigma Aldrich)   500g     50   (Sigma Aldrich)   (Sigma Aldrich)   500g     50   (Sigma Aldrich)   (Sigma Aldrich)   50g     50   (Sigma Aldrich)   (Sigma Aldrich)   50g     50   (Sigma Aldrich)   (Sigma Aldrich)   50g     50   (Sigma Aldrich)   (Sigma Aldrich)   500g     50   (Sigma Aldrich)   (Sigma Aldrich)   500g     60   Fe (Purity 99.9%) (Sigma Aldrich)   (Sigma Aldrich)   500g     61   (Sigma Aldrich)   (Sigma Aldrich)   500g     62   Beaker (Purity 99%) (Sigma Aldrich)   (Sigma Aldrich)   500g     63   Beaker (S00mL)   BORoShell   6     64   Beaker (S00mL)   BOROShell   6     65   Si Crucible (SomL)   5     66   Si Boat (Sinch)   (Sigma Aldrich)   1     67   Torch for Optics Lab (LED)   6     68   Pencil Diamond Cutter   (Sigma Aldrich)   1     69   90W)   Okayii ron LED Magnifying   70   Soldering Stand   (Kapoor Scientific Ambala)   10     70   Pierre   10   10   10   10   10     71   Pierre   10   10   10   10   10     72   Pierre   10   10   10   10   10     73   Pierre   10   10   10   10   10   10     74   Pierre   10   10   10   10   10   10     75   Pierre   10   10   10   10   10   10     76   Pierre   10   10   10   10   10   10     77   Pierre   10   10   10   10   10   10   10     78   Pierre   10   10   10   10   10   10   10   1	46	` ,	(Sigma Aldrich)	500mL	
Aceton (Purity 99.9%) (Sigma Aldrich) (Sigma Aldrich)   1000mL	47	,	(Sigma Aldrich)	1000ml	
Age			(eigina / lianon)	10001112	
Si wafer (111) (Sigma Aldrich)	48	(Sigma Aldrich)	(Sigma Aldrich)	1000mL	
Si water (100) (Sigma   Sigma Aldrich)	49		(Sigma Aldrich)	2500mL	
Si wafer (100) (Sigma   (Sigma Aldrich)   2 Pieces	50		(Ciama Aldrich)	2 Diagon	
Sigma Aldrich   Sigma Aldri	50	,	(Sigina Alunch)	2 Fieces	
Sigma Aldrich   Sigma Aldrich   Soug	51		(Sigma Aldrich)	2 Pieces	
Cr(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O (Purity 99%) (Sigma Aldrich) (Sigma Aldrich)   500g	50	_ ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	(O' Alle'-l-)	500	
Sigma Aldrich   Sigma Aldrich   Soug	52		(Sigma Aldrich)	500g	
FeSi (Purity 99.9%) (Sigma   FeSi (Purity 99.9%) (Sigma Aldrich)   100g   100	53	/ ,	(Sigma Aldrich)	500g	
FeSi (Purity 99.9%) (Sigma Aldrich)		Cr <sub>2</sub> O <sub>3</sub> (Purity 98%) (Sigma	, ,		
Sigma Aldrich   Sigma Aldric	54		(Sigma Aldrich)	500g	
Au Powder (Purity 99.9%) (Sigma Aldrich)   5g	55		(Sigma Aldrich)	100a	
FeSi <sub>2</sub> (Purity 99.9%) (Sigma Aldrich)		Au Powder (Purity 99.9%)	(3 3 1 1 1 )		
57         Aldrich)         (Sigma Aldrich)         50g           Fe (Purity 99.9%) (Sigma Aldrich)         (Sigma Aldrich)         500g           Ge Powder (Purity 99.8%)         (Sigma Aldrich)         500g           59         (Sigma Aldrich)         (Sigma Aldrich)         500g           60         (Sigma Aldrich)         (Sigma Aldrich)         500g           61         (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BOROShell         6           63         Beaker (500mL)         BOROShell         6           64         100, 200, 500mL)         BOROShell         1 each           65         Si Crucible (50mL)         5         5           66         Si Boat (5 inch)         3         3           67         Torch for Optics Lab (LED)         10         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           50ldering Iron (amiciTools         90W)         amiciTools         1           69         90W)         Ambala         10           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm) <td>56</td> <td></td> <td>(Sigma Aldrich)</td> <td>5g</td> <td></td>	56		(Sigma Aldrich)	5g	
58         Fe (Purity 99.9%) (Sigma Aldrich)         500g           Ge Powder (Purity 99.8%)         (Sigma Aldrich)         500g           59         (Sigma Aldrich)         500g           60         (Sigma Aldrich)         (Sigma Aldrich)         500g           61         (Sigma Aldrich)         (Sigma Aldrich)         500g           61         (Sigma Aldrich)         500g         60g           61         (Sigma Aldrich)         500g         60g           62         Beaker (200mL)         BOROShell         6         6           63         Beaker (500mL)         BOROShell         6         6           64         100, 200, 500mL)         BOROShell         1 each         1           65         Si Crucible (50mL)         5         5         6           66         Si Boat (5 inch)         3         1         1           67         Torch for Optics Lab (LED)         10         1         1           68         Pencil Diamond Cutter         (Sigma Aldrich)         1         1           Soldering Iron (amiciTools         3         1         0           69         90W)         amiciTools         1         1           Cop	57	- ` , ` ,	(Sigma Aldrich)	50g	
Ge Powder (Purity 99.8%)	- 07		(Olgina / llanon)	Joog	
59         (Sigma Aldrich)         (Sigma Aldrich)         500g           Si Powder (Purity 99%)         (Sigma Aldrich)         500g           Co Powder (Purity 99%)         (Sigma Aldrich)         500g           61         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5         5           66         Si Boat (5 inch)         3         10           67         Torch for Optics Lab (LED)         10         10           68         Pencil Diamond Cutter (Sigma Aldrich)         1         Soldering Iron (amiciTools           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         Ambala)         10           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5	58		(Sigma Aldrich)	500g	
Si Powder (Purity 99%)	50		(Sigma Aldrich)	500g	
60         (Sigma Aldrich)         (Sigma Aldrich)         500g           Co Powder (Purity 99%)         (Sigma Aldrich)         500g           61         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific 	59		(Sigilia Alulicii)	300g	
61         (Sigma Aldrich)         (Sigma Aldrich)         500g           62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5           73         Ripriem         (Kapoor Scientific         5	60	(Sigma Aldrich)	(Sigma Aldrich)	500g	
62         Beaker (200mL)         BORoShell         6           63         Beaker (500mL)         BORoShell         6           Measuring Cylinder (50,         BORoShell         1 each           64         100, 200, 500mL)         5           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5           73         Bipriem         (Kapoor Scientific Ambala)         5	61		(Sigma Aldrich)	500g	
63         Beaker (500mL)         BORoShell         6           Measuring Cylinder (50,         BORoShell         1 each           64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5           73         Biprism         (Kapoor Scientific         5		,	, ,		
64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying         Okayji         1           70         Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         5           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5           73         Riprism         (Kapoor Scientific Ambala)         5		,			
64         100, 200, 500mL)         BORoShell         1 each           65         Si Crucible (50mL)         5           66         Si Boat (5 inch)         3           67         Torch for Optics Lab (LED)         10           68         Pencil Diamond Cutter         (Sigma Aldrich)         1           Soldering Iron (amiciTools         1           69         90W)         amiciTools         1           Okayji Iron LED Magnifying Soldering Stand         Okayji         1           Copper Clad Sheet (6 inch X 4 inch, Single-sided)         (Kapoor Scientific Ambala)         10           72         Plano-convex Lens (Focal Length 20 cm)         (Kapoor Scientific Ambala)         5           Riprism         (Kapoor Scientific Ambala)         5	03	` '	BOROSTIEII	6	
66 Si Boat (5 inch)  67 Torch for Optics Lab (LED)  68 Pencil Diamond Cutter  Soldering Iron (amiciTools  69 90W)  Okayji Iron LED Magnifying  70 Soldering Stand  Copper Clad Sheet (6 inch X 4 inch, Single-sided)  72 Plano-convex Lens (Focal Length 20 cm)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  5  (Kapoor Scientific Ambala)	64		BORoShell	1 each	
67 Torch for Optics Lab (LED)  68 Pencil Diamond Cutter  Soldering Iron (amiciTools  90W)  Okayji Iron LED Magnifying  70 Soldering Stand  Copper Clad Sheet (6 inch X 4 inch, Single-sided)  72 Plano-convex Lens (Focal Length 20 cm)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)	65	Si Crucible (50mL)		5	
68 Pencil Diamond Cutter (Sigma Aldrich) 1  Soldering Iron (amiciTools 90W) amiciTools 1  Okayji Iron LED Magnifying 70 Soldering Stand Okayji 1  Copper Clad Sheet (6 inch X 4 inch, Single-sided) (Kapoor Scientific Ambala) 10  72 Plano-convex Lens (Focal Length 20 cm) (Kapoor Scientific Ambala) 5  Riprism (Kapoor Scientific 5	66	Si Boat (5 inch)		3	
Soldering Iron (amiciTools amiciTools 1  Okayji Iron LED Magnifying Soldering Stand Okayji 1  Copper Clad Sheet (6 inch X 4 inch, Single-sided) (Kapoor Scientific Ambala)  72 Plano-convex Lens (Focal Length 20 cm) (Kapoor Scientific Ambala) 5  Riprism (Kapoor Scientific 5	67	Torch for Optics Lab (LED)		10	
69 90W) amiciTools 1  Okayji Iron LED Magnifying 70 Soldering Stand Okayji 1  Copper Clad Sheet (6 inch X 4 inch, Single-sided) (Kapoor Scientific Ambala) 10  72 Plano-convex Lens (Focal Length 20 cm) (Kapoor Scientific Ambala) 5  (Kapoor Scientific 5	68		(Sigma Aldrich)	1	
Okayji Iron LED Magnifying Soldering Stand Okayji  Copper Clad Sheet (6 inch X 4 inch, Single-sided)  (Kapoor Scientific Ambala)  Plano-convex Lens (Focal Length 20 cm)  (Kapoor Scientific Ambala)  (Kapoor Scientific S  (Kapoor Scientific Ambala)	00		and the state of		
70 Soldering Stand Okayji 1  Copper Clad Sheet (6 inch X 4 inch, Single-sided)  71 Plano-convex Lens (Focal Length 20 cm)  (Kapoor Scientific Ambala)  (Kapoor Scientific Ambala)  (Kapoor Scientific Scientific Ambala)	69		amici I ools	1	
71 4 inch, Single-sided) Ambala)  72 Plano-convex Lens (Focal Length 20 cm) (Kapoor Scientific Ambala)  73 Riprism (Kapoor Scientific 5	70		Okayji	1	
Length 20 cm) Ambala)  73 Riprism (Kapoor Scientific 5	71	4 inch, Single-sided)	Ambala)	10	
	72		` •	5	
-,	73	Biprism	(Kapoor Scientific Ambala)	5	



T4		Fost-Tateripul, F.S	Tokan, Biother 3	aya (Biriar) i	02	. 200	
Text    Text	74	Decade Resistor	(RISHIL WORLD)	3			
10	75	IC (7400)	electroschematics	10			
Text	76	IC (7402)	electroschematics	10			
10	77	IC (7404)	electroschematics	10			
10	78	IC (7407)	electroschematics	10			
BO	79		electroschematics	10			
B1	80	, ,	Electroschematics	10			
82         IC (7474)         Electroschematics         10           83         IC (7476)         Electroschematics         10           84         IC (7490)         Electroschematics         10           85         IC (7486)         Electroschematics         10           86         IC (7493)         Electroschematics         10           87         IC (74151)         Electroschematics         10           88         IC (74244)         Electroschematics         10           89         IC (74244)         Electroschematics         10           90         IC (ADC0804)         Instruments         10           90         IC (7447)         Instruments         10           90         IC (7447)         Instruments         10           90         IC (4010)         Instruments         10 <td< td=""><td></td><td>, ,</td><td></td><td></td><td></td><td></td><td></td></td<>		, ,					
R3							
84         IC (7490)         Electroschematics         10           85         IC (7486)         Electroschematics         10           86         IC (7493)         Electroschematics         10           87         IC (74151)         Electroschematics         10           88         IC (74154)         Electroschematics         10           89         IC (74244)         Electroschematics         10           90         IC (ADC0804)         Instruments         10           90         IC (ADC0804)         Instruments         10           91         IC (74138)         Instruments         10           92         IC (7447)         National         Instruments           93         IC (7448)         Instruments         10           93         IC (7448)         Instruments         10           94         IC (4010)         Instruments         10           95         IC (NE592)         Instruments         10           96         IC (LM35)         Instruments         10           97         IC (TSOP1738)         Instruments         10           98         IC (LM555)         Instruments         10           100		, ,					
85         IC (7486)         Electroschematics         10           86         IC (7493)         Electroschematics         10           87         IC (74151)         Electroschematics         10           88         IC (74154)         Electroschematics         10           89         IC (74244)         Electroschematics         10           90         IC (ADC0804)         Instruments         10           90         IC (ADC0804)         Instruments         10           91         IC (74138)         Instruments         10           92         IC (7447)         Instruments         10           93         IC (7448)         Instruments         10           94         IC (4010)         Instruments         10           95         IC (NE592)         Instruments         10           96         IC (LM35)         Instruments         10           97         IC (TSOP1738)         Instruments         10           98         IC (LM317)         Instruments         10           100         IC (40106)         Instruments         10           101         IC (40106)         Instruments         10           102         <		,					
B6							
ST		, ,					
R88   IC (74154)   Electroschematics   10		, ,					
Section   Sect							
National   Instruments   10   Nati		,					
90   IC (ADC0804)   Instruments   10   National   Instruments	89	IC (74244)		10			
91	90	IC (ADC0804)		10			
92   IC (7447)				-			
92   IC (7447)   Instruments   10	91	IC (74138)		10			
National   Instruments   10   Nati	92	IC (7447)		10			
93   IC (7448)   Instruments   10   National   Instruments   10	32	10 (1441)		10			
94         IC (4010)         Instruments         10           95         IC (NE592)         Instruments         10           96         IC (LM35)         Instruments         10           97         IC (TSOP1738)         Instruments         10           98         IC (LM555)         Instruments         10           99         IC (LM317)         Instruments         10           100         IC (40106)         Instruments         10           101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           104         IC (LM393)         Instruments         10           National         Instruments         10           National         Instruments         10	93	IC (7448)		10			
National   Instruments   10   Nati		10 (4040)		40			
95         IC (NE592)         Instruments         10           96         IC (LM35)         Instruments         10           97         IC (TSOP1738)         Instruments         10           98         IC (LM555)         Instruments         10           99         IC (LM317)         Instruments         10           100         IC (40106)         Instruments         10           101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           104         IC (LM393)         Instruments         10           National         Instruments         10           National         Instruments         10	94	IC (4010)		10			
National   Instruments   10   Nati	95	IC (NE592)		10			
National   Instruments   10   Nati			National				
97         IC (TSOP1738)         Instruments         10           98         IC (LM555)         Instruments         10           99         IC (LM317)         Instruments         10           100         IC (40106)         Instruments         10           101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           104         IC (LM393)         Instruments         10           National         Instruments         10           National         Instruments         10           National         Instruments         10	96	IC (LM35)		10			
National   Instruments   10	97	IC (TSOP1738)		10			
National   Instruments   10   Nati	- 57	10 (1001 1700)		10			
99         IC (LM317)         Instruments         10           100         IC (40106)         Instruments         10           101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           104         IC (LM393)         Instruments         10           National         Instruments         10           National         Instruments         10           National         Instruments         10	98	IC (LM555)		10			
National   Instruments   10	00	IC (I M247)		10			
100         IC (40106)         Instruments         10           101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           National         Instruments         10           National         Instruments         10           National         Instruments         10           National         National         10	99	IC (LIVI317)		10			
101         IC (TL084)         Instruments         10           102         IC (OP7171)         Instruments         10           103         IC (LM324)         Instruments         10           104         IC (LM393)         Instruments         10           National         Instruments         10           National         Instruments         10	100	IC (40106)		10			
National			National				
102         IC (OP7171)         Instruments         10           103         IC (LM324)         National Instruments         10           104         IC (LM393)         Instruments         10           National         National         10	101	IC (TL084)		10			
National	102	IC (OP7171)		10			
National	.02	( )					
104         IC (LM393)         Instruments         10           National         Instruments         10	103	IC (LM324)		10			
National	104	IC (I M303)		10			
	104	IC (LIVISUS)		10			
\/	105	IC (LM565)	Instruments	10			

THE PARTY	Post- Fatehpur, P.S	- Tekari, District- G	aya (Binar) F	71N- 824 236	
		National			
106	IC (AD595)	Instruments	5		
		National			
107	Transistor (BC547)	Instruments	50		
	, ,	National			
108	Transistor (BC548)	Instruments	30		
	,	National			
109	Transistor (2N2222)	Instruments	30		
	,	National			
110	Transistor (TIP122)	Instruments	20		
		National			
111	Resistor (100Ω)	Instruments	100		
	,	National			
112	Resistor (330Ω)	Instruments	100		
	,	National			
113	Resistor (470Ω)	Instruments	100		
	1 100.010. ( 1.1 0.22)	National			+
114	Resistor (1KΩ)	Instruments	100		
	1 (0000) (11(22)	National	100		+
115	Resistor (1.2KΩ)	Instruments	100		
110	110000101 (1.21122)	National	100		+
116	Resistor (2KΩ)	Instruments	100		
110	110313101 (21122)	National	100		+
117	Resistor (2.2KΩ)	Instruments	100		
117	1(2.21(2)	National	100		+
118	Resistor (2.5KΩ)	Instruments	100		
110	Resistor (2.5R12)	National	100		+
119	Posistor (4.2KO)		100		
119	Resistor (4.2KΩ)	Instruments National	100		+
120	Posistor (4.7KO)		100		
120	Resistor (4.7KΩ)	Instruments	100		
101	Desigter (F 6KO)	National	100		
121	Resistor (5.6KΩ)	Instruments	100		
400	Decister (40KO)	National	400		
122	Resistor (10KΩ)	Instruments	100		
400	Desister (00KO)	National	400		
123	Resistor (22KΩ)	Instruments	100		
	- · · · · · · · · · · · · · · · · · · ·	National	400		
124	Resistor (47KΩ)	Instruments	100		
	D (50(6)	National	400		
125	Resistor (56KΩ)	Instruments	100		
400	- · · · · · · · · · · · · · · · · · · ·	National	400		
126	Resistor (100KΩ)	Instruments	100		
		National			
127	Resistor (470KΩ)	Instruments	100		
		National			
128	Resistor (560KΩ)	Instruments	100		
		National			
129	Resistor (1MΩ)	Instruments	100		
		National			1
130	Resistor (1.2MΩ)	Instruments	100		
		National			
131	Resistor (4.7MΩ)	Instruments	100		
		National			
132	Resistor (5.6MΩ)	Instruments	100		



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133	Pesister (10MO)	National	100		
133	Resistor (10MΩ)	Instruments	100		
134	Capacitor (1nF)	National Instruments	100		
134	Capacitor (TIIF)		100		
125	Conscitor (4.4nF)	National	100		
135	Capacitor (4.4nF)	Instruments	100		
400	Conscitor (C.OnF.)	National	100		
136	Capacitor (6.8nF)	Instruments	100		
407	O	National	400		
137	Capacitor (10nF)	Instruments	100		
400	Connector (400nF)	National	100		
138	Capacitor (100nF)	Instruments	100		
120	Conneitor (1nF)	National	100		
139	Capacitor (1pF)	Instruments	100		
140	Conneitor (2nF)	National	100		
140	Capacitor (2pF)	Instruments National	100		
141	Conscitor (10pF)		100		
141	Capacitor (10pF)	Instruments	100		
142	Consoiter (22nF)	National	100		
142	Capacitor (22pF)	Instruments	100		
142	Conscitor (47nF)	National	100		
143	Capacitor (47pF)	Instruments	100		
111	Conneitor (100nF)	National	100		
144	Capacitor (100pF)	Instruments	100		
115	Conneitor (220nF)	National	100		
145	Capacitor (330pF)	Instruments	100		
1.46	Conscitor (470nF)	National	100		
146	Capacitor (470pF)	Instruments	100		
147	Consoitor (1uE)	National	40		
147	Capacitor (1µF)	Instruments	40		
148	Canacitar (10uE)	National	40		
140	Capacitor (10µF)	Instruments National	40		
149	Capacitor (22uE)	Instruments	40		
149	Capacitor (22µF)	National	40		
150	Capacitor (100µF)	Instruments	40		
130	Сарасної (тоорі )	National	40		
151	Capacitor (1000uE)	Instruments	40		
131	Capacitor (1000µF)	National	70		
152	LED (Red)	Instruments	100		
102	LED (NOU)	National	100		
153	LED (Green)	Instruments	100		
100	=== (5:551)	National	100		+
154	LED (Yellow)	Instruments	100		
107	=== (10000)	National	100		+
155	5x7 Diode Matrix Rom	Instruments	5		
100	SAL BIOGO MIGHIA TOTAL	National			
156	FnD LED display	Instruments	50		
	LLD diopidy	National			
157	Transformer (12-0-12)	Instruments	40		
		National			
158	Transformer (9-0-9)	Instruments	40		
100	(5 5 5)	National			
159	Transformer (6-0-6)	Instruments	40		
				l l	



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400	Red Wire - Single Copper	National			
160	Core (Bundle)	Instruments	2		
	Green Wire - Single Copper	National	_		
161	Core (Bundle)	Instruments	2		
4.5.5	Black Wire - Single Copper	National	_		
162	Core (Bundle)	Instruments	2		
		National			
163	Potentiometer (10Ω)	Instruments	10		
		National			
164	Potentiometer (47Ω)	Instruments	10		
		National			
165	Potentiometer (100Ω)	Instruments	30		
		National			
166	Potentiometer (330Ω)	Instruments	30		
		National			
167	Potentiometer (470Ω)	Instruments	30		
		National			
168	Potentiometer (1KΩ)	Instruments	30		
		National			
169	Potentiometer (1.2KΩ)	Instruments	30		
		National			
170	Potentiometer (2KΩ)	Instruments	30		
		National			
171	Potentiometer (2.2KΩ)	Instruments	30		
		National			
172	Potentiometer (2.5KΩ)	Instruments	30		
		National			
173	Potentiometer (4.2KΩ)	Instruments	30		
		National			
174	Potentiometer (4.7KΩ)	Instruments	30		
		National			
175	Potentiometer (5.6KΩ)	Instruments	30		
		National			
176	Potentiometer (10KΩ)	Instruments	30		
		National			
177	Potentiometer (22KΩ)	Instruments	30	<b> </b>	
		National			
178	Potentiometer (47KΩ)	Instruments	30		
4==		National			
179	Potentiometer (56KΩ)	Instruments	20		
400	B ( // // // // // // // // // // // // /	National	<b>5</b> 0		
180	Potentiometer (100KΩ)	Instruments	50	<del>                                     </del>	
4.5.		National			
181	Potentiometer (470KΩ)	Instruments	50	<del>                                     </del>	
4.0-	B	National			
182	Potentiometer (560KΩ)	Instruments	20		
400	Determine ( //1/2)	National	4.0		
183	Potentiometer (1MΩ)	Instruments	10		
		National			
184	830 Point Breadboard	Instruments	40		
	Copper Clad Sheet Single				
40-	Sided Laminate Circuit	National	50		
185	Board 4 x 6 Inches	Instruments			

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Total Amount in Words (Rs)						
Total Amount with GST (Rs.)						
Total Basic Amount (Rs.)						
188	100 PULLS 2PLY(Pack of8)		of 8)			
	PREMIER Box FACE Tissue		2PLY(Pack			
			100 PULLS			
187	Bacteria		1kg			
	Sterlised Free From					
	Surgical Pure Cotton	,				
100	PCB Making 500 Grams	(Sigma Aldrich)	_			
186	PCB Etching Powder For		2			
	Ferric Chloride (FeCL3)					

#### Note:

- 1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
- 2. No extra payment shall be made up and above of the quoted total price.
- 3. University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.

Date:	
	Signature
	Name:

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

#### FINANCIAL BID PROFORMA

(It should be submitted in a separate sealed envelope)

Tender Notice No.: CUSB/PSD/Chemicals/T/25/2019-20, Date: 30/01/2020

Subject: Supply of "Laboratory Chemicals & Consumables".

Name of Department: Chemistry (Annexure 'E')

Name of the Bidder: \_\_\_\_\_

S.NO	NAME	size	volume	Quantity	GST*	Unit price (Rs.) Inclusive GST/ delivery/ Other charges	Total price (Rs.) Inclusive GST/ delivery/ Other charges
1.	Round bottom flask	24 neck	100ml	50			
2.	Round bottom flask	14 neck	25ml	50			
3.	Round bottom flask	19 neck	100ML	50			
4.	Round bottom flask"	19 neck	100 ml	50			
5.	Round bottom flask"	19 neck	50ml	50			
6.	Round bottom flask"	24 neck	250 ml	25			
7.	Round bottom flask"	24, 2 neck	250 ml	20			
8.	Round bottom flask"	24 neck	500ml	10			
9.	Round bottom flask"	14 neck	10ML	50			
10.	Round bottom flask"	14 neck	5ML	50			
11.	condensers	24, 24		10			
12.	condensers	19,19		10			
13.	condensers	14,14		10			
14.	shartpath	19,19		5			
15.	shartpath	24,24		5			
16.	oil baths	100ml		10			
17.	oil baths	250ml		10			
18.	oil baths	500ml		2			
19.	oil baths	50ml		5			
20.	TEST TUBES	25ML		100			
21.	TEST TUBES	50ML		100			
22.	TEST TUBES	10ML		200			
23.	FUNNELS SEPARATING GLB GLASS STCK 125 ML	125ml		3			
24.	FUNNELS SEPARATING GLB GLASS STCK 250 ML	250ml		3			



SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

Total	Amount in Words (Rs			with GST (Rs.) )	
				Amount (Rs.)	
36.	Distillation assembl; B-24, Double Surface		1		
35.	Distillation assembl; B-19		1		
34.	Column	450	4		
33.	Column	300	5		
32.	Column	600	4		
31.	Column; 15509; Promax	1000	2		
30.	Column; 15508; Promax	600	 3		
29.	Column;15507; Promax	600	3		
28.	Column1091.05; Labtech International	800	2		
27.	Column; 1092.05; Labtech International	1000	2		
26.	Column; 1095.04; Labtech International	600	3		
25.	FUNNELS SEPARATING GLB GLASS STCK 500 ML	500ml	3		

#### Note:

- 1. No overwriting or use of whitener is permitted. If done then it will be summarily rejected.
- 2. No extra payment shall be made up and above of the quoted total price.
- 3. University has DSIR Certificate hence GST rate shall be 5% and requisite certificate(s) shall be provided accordingly against Proforma Invoice, if once Purchase Order issues in this regard.

Date:	
	Signature
	Name:

SH-7, Gaya- Panchanpur Road, Village- Karhara, Post- Fatehpur, P.S- Tekari, District- Gaya (Bihar) PIN- 824 236

## **Undertaking**

Name of	the work:
Tender N	No. :
We confi	rm that we have quoted the rates in the tender considering Inter-alia the
1.	Tender Document(s) with all Annexures, Scope of Vendor
2.	Additional Document(s), if any
3.	BOQ Document (Price Bid Format)
4.	Corrigendum, if any
5.	Pre Bid Meeting Minutes, if any
certify th Condition the terms meeting.	(Name of the Tenderer) hereby at we have fully read and thoroughly understood the tender requirements and accept all Terms and as of the tender including all corrigendum/addendum issued, if any. Our offer is in confirmation to all and conditions of the tender including all corrigendum/addendum, if any and minutes of the pre-bid in the event, our offer is found acceptable and contract is awarded to us, the complete tender at shall be considered for constitution of Contract Agreement.
	Signed for and on behalf of Tenderer(s)
Name of	Tenderer(s)
Date :	
Place :	
	Seal & Signature of Tenderer
Note :	

This declaration should be signed by the Tenderer's authorized representative on COMPANY

LETTERHEAD who is signing the Bid and to be submitted with tender.