



**S.D. WOMEN'S COLLEGE, RAJGANGPUR**

**Request for proposal  
To select supplier for supply & Installation of Lab Equipments for Chemistry Lab  
Under  
Odisha Higher Education Program for Excellence & Equity (OHEPEE),  
At  
S D WOMEN'S COLLEGE, RAJGANGPUR**

**RfP No:**

**1168/SDWC/OHEPEE/2024/002**

**Dated: 22-11-2024**

**Issued by;**

*S.D.*  
Principal  
22.11.24  
Sardai Devi Women's College  
S. D. Women's College  
Rajgangpur, Odisha  
Rajgangpur

**Principal,**

**S D WOMEN'S COLLEGE, RAJGANGPUR ,SUNDARGARH,  
ODISHA-770017**

**SECTION1:SCHEDULE OF RFP**

<b>SI No</b>	<b>Particulars</b>	<b>Details</b>
01	RfP No	1168/SDWC/OHEPEE/2024/002
02	Date of issue of RfP	22.11.2024
03	Name of the RfP issuer (Principal)	Principal, S D Women's College , Rajgangpur, Sundargarh-770017
04	Scope of work	Supply & installation of items
05	Method of selection	Least Cost Selection Method
06	Deadline for submission of Pre-Proposal query	30.11.2024
07	Pre-Proposal Meeting	2.12.2024
08	Issue of Pre-Proposal clarifications (if any)	4.12.2024
09	Last date for submission of proposals	7.12.2024 by 5.00pm
10	Date of opening of Technical Proposals	9.12.2024 at12:00Noon
11	Date of Opening of Financial Proposals	10.12.2024 at12:00Noon
12	Earnest money Deposit (EMD): Refundable for unsuccessful Firms	2%OfEstimatedCost
13	Performance Security (To be submitted by the L1 firm only)	5%oftheL1estimatedValue
14	Address/Venue for submission / Opening of such Proposals.	Office of the Principal, S D Women's College , Rajgangpur, Sundargarh-770017

Note: Incase of any change in the scheduled date due to any unforeseen event the date maybe shiftedto the next possible working day or as decided by the principal.

## OFFICE OF THE PRINCIPAL, S. D WOMEN'S COLLEGE, RAJGANGPUR

### NOTICE OF INVITATION

The principal of S D Women's College, Rajgangpur hereby invites proposals from reputed eligible firms located within state of Odisha to select supplier for supply of Inverter and Battery in the New Academic Building of the college premise.

1. Firm will be elected under "least cost selection" method as per criteria mentioned in the RfP document.
2. The Proposal must be complete in all respect as specified in the RfP document and must be accompanied with the required financial instruments as specified in the RfP.
3. The EMD should be submitted in form of a Demand Draft in favour of Principal, S D Women's College, Rajgangpur drawn in any scheduled commercial bank, without which the proposal will be rejected.
4. Performance security is to be submitted after issuing of Lol to the L1 Bidder.
5. The Proposals will be opened in the presence of the designated/ authorized representatives of the interested firms on the scheduled date and time at the specified address as mentioned in the " schedule of RfP Designated /Authorized representatives of the interested firm may attend the meeting with due authorization letter on behalf of their firm.
6. Interested firm may obtain the RfP document from the official website of the college (<https://www.sdwcrgp.ac.in/>) and submit their proposal in a sealed document as per the instructions mentioned in the RfP document.
7. The Interested firms must accept all technical/ commercial terms & conditions mentioned in the RfP document.
8. The Principal, S D Women's College, Rajgangpur reserves the right to cancel the RfP at any point without prior notice.

### **SECTION 3: SCOPE OF WORK**

1. The Scope of work must the requirements of the college like, supply of required number of items within the specific dateline e.g. within 15 days of issue of "Supply Order"
2. The supplier must deliver and instal the required items at college campus and no further time should be allowed for supply of the required goods without any valid reason and without the approval of the principal.
3. Once required numbers of items are supplied by the supplier college campus, the training, and demonstration of the items supplied must be given by the supplier.
4. After installation, training and demonstration of the required items are finished; if any issue arises with the item, then the principal of the college should immediately report in writing to the supplier.
5. After all issues are resolved, the supplier will submit the invoice to the college & the college will initiate the payment process within 15 working days of installation of the required items/goods.

## 1. PRE-QUALIFICATION CRITERIA

The participating firms must produce copies of all the required supportive documents / information as part of their proposal, failing which the same proposal shall be summarily rejected.

Sl. No	Basic Requirement	Specific Requirement	Supporting Documents Required
1	Legal Entity	<p>Firm must be a Company as registered under the provisions of the Indian Companies Act</p> <p>Or</p> <p>A Partnership Firm registered under the Indian Partnership Act</p> <p>Or</p> <p>A Limited Liability Partnership registered under The Limited Liability Partnership Act</p> <p>Or</p> <p>• A Sole Proprietorship Firms</p>	<ul style="list-style-type: none"> <li>• Certificate of Incorporation/ Registration</li> <li>• Partnership deed</li> <li>• GST Registration</li> <li>• PAN</li> </ul>
2	Experience	Interested firms altogether must have supplied goods as mentioned in the RFP at least once to any of the offices/colleges/universities.	Supply Order copies.
3	Turnover	During last three Financial years i.e. FY 2018-19, 2019-20, 2020-21, the average annual turnover of the interested firm should not be less than 10% of the cost estimated by the college.	<ul style="list-style-type: none"> <li>• Audited balance sheet and "Profit &amp; Loss account" along with all schedules certified by a practicing Chartered Accountant.</li> <li>• Acknowledgement of Income tax returns</li> </ul>
4	EMD (EMD of unsuccessful firms will be returned immediately)	<p>The interested firm should submit EMD.</p> <p>EMD value should be fixed by the college @ 2% of the total supply order value estimated by the college.</p>	Demand Draft in favour of "Principal of the College".
5	EMD relaxation criteria.	Firms registered under MSME are exempted from submitting the EMD.	Bid Security declaration and MSME/Start Ups proof.
6	Performance Security	3% of the L1 value.	Demand Draft from a scheduled commercial Bank

			OR A Fixed Deposit  OR A Bank Guarantee pledged in the name of "Principal of the College"
7	Blacklist	The Firm should not have been banned/ blacklisted/ debarred/ Suspended by the World Bank / Central Govt./ State Govt. / Central or State PSU Origination/Central or State Govt. Universities or Colleges.	Self-Declaration from the Firm as per the prescribed format mentioned at "FORM T4".

## 2. VALIDITY OF THE PROPOSAL

- The proposal submitted by the interested firms will remain valid for one year.
- The selected firms must supply and install required number of goods as per the approved rate and within 15 days of receipt of the "Supply Order" from the college.
- Deviation from this may lead to disengagement of the selected firm and firm secured L2 position may be invited to supply the goods as per the terms and conditions of the RfP.

## 3. PRE -PROPOSAL QUERIES / MEETING

- Firms may submit their queries (if any) for pre-proposal meeting in respect of the RfP, to the Principal, College Name only through e-Mail at <college email id> within the stipulated date & time mentioned in the RfP document.
- Clarifications to the above will be hosted in the official website of College, after the pre-proposal meeting, as per the schedule mentioned in the RfP document.
- The pre-proposal query meeting may be conducted either in online or physical mode.

## 4. SUBMISSION OF PROPOSALS

- Interested firms are advised to study carefully all instructions, forms, terms & conditions and other important information mentioned in the RFP document.
- Each page should be signed with official seal of the authorized person.
- The proposal must be complete in all respect, properly indexed and hard bound.
- A sealed master envelope bearing the name, address, phone number and email id of firm along with the RfP name & number should contain two separate sealed envelopes i.e:

- 1) Technical Proposal



## 2) Financial Proposal

- The sealed "Technical Proposal" must contain the required supporting documents as per the sequence mentioned below:
  - ✓ EMD through Demand Draft.
    - a) However; Micro, Small & Medium Enterprises registered with MSME / NSIC with valid category wise certificate, duly issued by Government of India are exempted for submitting the EMD on the condition that they must have the valid & category wise valid registration certificate on the date of opening of tender.
    - b) EMD deposited by the unsuccessful firms will be returned immediately.
    - c) EMD deposited by the selected firm will be returned after submission of "Performance Security".
  - ✓ **FORM T 1:** Technical Proposal Submission Form.
  - ✓ **FORM T 2:** Organization Details along with:
    - Copy of Certificate of Incorporation/ Registration
    - Copy of PAN
    - Copy of Goods and Services Tax Identification Number (GSTIN)
  - ✓ **FORM T 3:** Experience Details.
  - ✓ **FORM T 4:** Self declaration from the firm confirming not have been banned/ blacklisted/ debarred/suspended.
  - ✓ **FORM T 5:** Technical Specifications Compliance Sheet.
  - ✓ **FORM T 6:** Financial Turnover Details along with:
    - Copies of audited balance sheet, Profit & Loss account and all schedules certified by the Chartered Accountant.
    - Copies of IT Return for the last three financial year i.e FY 2018-19, 2019-20, 2020-21.
    - **FORM F 1:** Financial Proposal Submission Form.
- The sealed "Financial Proposal" must contain:
  - The prices and other information having a bearing on the price shall be written both in figures and words in the prescribed form.
  - No alternation / modification / overwriting / corrections in the format shall be accepted.
- The sealed proposal must be delivered at the specified address as per the "Schedule of RfP" through Speed Post / Registered Post / Courier only. The Principal shall not be responsible for postal delay or delay due to any

unforeseen situation. Submission of proposal through any other mode will not be accepted.

## 5. OPENING OF PROPOSALS

- ✓ Sealed envelope containing the proposal will be opened by the Principal in presence of the firm/their representative at the location, date and time specified in the RfP document.
- ✓ Only one representative with proper authorization letter from the participating firm will be allowed to attend the tender opening meeting.

## 6. DISQUALIFICATION/REJECTION OF PROPOSAL

The proposal is liable to be disqualified in the following cases as listed below:

- Proposals not conforming to the eligibility criteria and not submitting the required documents as mentioned in the RfP".
- Submission of forged documents.
- Proposal submitted without EMD.
- Proposal not submitted in accordance with the procedure and formats as prescribed in the RFP.
- Proposal received in incomplete form.
- Proposal received after due date and time.
- Proposal which is not accompanied by all the required documents/information.
- Firm trying to influence the proposal evaluation process by unlawful/corrupt/fraudulent means at any point of time during the bid process.
- Price quoting in any irrelevant papers, documents, presentation etc except "Financial Proposal".
- If in case of a firm or any person acting on its behalf indulges in corrupt/fraudulent practices.
- Any other condition / situation which holds the paramount interest of the PRINCIPAL during the overall selection process.
- The Principal reserves the right to annul any/all of the proposals received, at any point of time with/without assigning any reason thereof.

## 7. EVALUATION OF PROPOSALS

A two stage process will be adopted as explained below for evaluation of the proposals:

### A. Technical Evaluation

- Technical evaluation of the proposals will be done to determine whether the proposal complies with the prescribed eligibility conditions and the requisite



documents / information / financial instruments have been properly furnished by the firm.

- Technical compliance as submitted along with the proposal will be done to determine whether the Brand & model, proposed by the interested firm consists of all required minimum specifications as mentioned at "Form T 5" the RfP document.

#### **B. Financial Evaluation**

- The financial proposals of the technically qualified firms only shall be opened at this stage in the presence of the technically qualified firm/their authorized representative on the scheduled date and time as mentioned in the RfP document.
- "Least Cost Selection Method" will be followed.
- The firm, who submits the lowest financial price proposal shall be declared as the "L 1" bidder and shall be communicated for further process leading to issue of "Supply Order".

#### **8. AWARD OF CONTRACT**

- The L 1 bidder will be notified by the PRINCIPAL in writing by issuing a "Letter of Intent" and will be asked to acknowledge the "Letter of Intent (LoI)" and to submit the "Performance Security" within 15 days of issuance of the LoI".
- The "Performance Security" is unconditional and irrevocable.
- Performance Security amount in mentioned at Para 1 of "Section 4" and the Performance Security must remain valid till warranty period of the goods..
- After receiving the acknowledgement of LoI along with the "Performance Security", the PRINCIPAL will issue the "Supply Order to the selected firm", for their requirement as specified in the RfP document.
- After issue of "LoI" or after receipt of the acknowledged "LoI", if due to any reason(s) the L1 bidder withdraws its willingness to supply the required goods then the EMD/Performance Security deposited by the same firm will be forfeited by the PRINCIPAL and firm securing the L 2 position in the financial bid will be awarded with contract, after submission of the required Performance Security amount & EMD.
- Once the Supply Order is issued by the college, the concerned firm must supply and install the required number of items within 15 days from the date of issue of the supply order. No further time will be allowed without any valid reason and without prior approval of the same from the Principal.

#### **9. GENERAL TERMS & CONDITIONS**

- Conflict Of Interest Exists In The Event Of:

- Firms who have a business or family relation with the PRINCIPAL, directly or indirectly.
- Practices prohibited under the anti-corruption policy of the Government of India and Government of Odisha. The interested firms are to be careful so as not to give rise to a situation where there will be any conflict of interest with the PRINCIPAL as this would amount to their disqualification and breach of contract.

➤ Disclosure:

- Firm has an obligation to disclose any actual or potential conflict of interest. Failure to do so will lead to disqualification of the bidder or termination of its contract.
- Firm must disclose if they are or have been the subject of any proceedings (such as blacklisting) or other arrangements relating to bankruptcy, insolvency or the financial standing of the firm, including but not limited to appointment of any officer such as a receiver in relation to the firm's personal or business matters or an arrangement with creditors, or of any other similar proceedings.
- Firm must disclose if they have been convicted of, or are the subject of any proceedings relating to:
  - ✓ A criminal offence or other serious offence punishable under the law of the land, or where they have been found by any regulator or professional body to have committed professional misconduct.
  - ✓ Corruption including the offer or receipt of an inducement of any kind in relation to obtaining any contract.
  - ✓ Failure to fulfill any obligations in any jurisdiction relating to the payment of taxes or social security contributions.

➤ Anti Corruption Measure:

- Any effort by firm(s) to influence the PRINCIPAL in the evaluation and ranking of financial proposals, and recommendation for award of contract, will result in the rejection of the proposal.
- A recommendation for award of contract shall be rejected if it is determined that the recommended firm has directly, or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question. In such cases, the PRINCIPAL shall reject the proposal and disqualify it from participating in any related RfP process.

➤ Force Majeure:

- "Force Majeure" means an event beyond the control of the selected firm and not involving the selected firm's fault or negligence and not foreseeable.
- Such events may include wars or revolutions, fires, floods, riots, civil commotion, earthquake, epidemics or other natural disasters and restriction



imposed by the Government or other bodies, which are beyond the control of the selected firm, which prevents or delays the execution of the order by the selected firm.

- If a Force Majeure situation arises, the selected firm shall promptly notify PRINCIPAL in writing of such condition, the cause thereof and the change that is necessitated due to that prevailing condition. Until and unless otherwise directed by the PRINCIPAL in writing, the selected firm shall continue to perform its obligations as per the RFP terms & conditions as far as possible and shall seek all reasonable alternative means for delivering performance not prevented by the Force Majeure event.
- The selected firm shall inform the PRINCIPAL in writing, the beginning and the end of the above causes of delay, within seven days of the occurrence and cessation of the Force Majeure condition. In the event of a delay lasting for more than one month, if arising out of causes of Force Majeure, PRINCIPAL reserves the right to cancel the contract without any obligation to compensate the selected firm in any manner for what so ever reason.
- The PRINCIPAL and the selected firm shall make every effort to resolve amicably, by direct negotiation, any disagreement or dispute arising between them under or arising from or in connection with the contract.

➤ Governing Laws:

- Any unjustified and unacceptable delay in delivery shall render the selected firm liable for liquidated damages and thereafter the PRINCIPAL holds the option for cancellation of the contract for pending activities and completes the same through any other firm(s) who participated in the RfP process by awarding the same contract to L 2 bidder in the financial bid.
- In such case of premature cancellation of the contract the PRINCIPAL reserves the right to withhold the Performance Security.
- The rights and obligations of the PRINCIPAL and the selected firm under this contract will be governed by the prevailing laws of Government of India and Government of Odisha only.
- All legal disputes are subject to the jurisdiction of the Orissa High Court, Cuttack.

**SECTION 5: FORM**

**FORM T 1 TECHNICAL PROPOSAL SUBMISSION FORM**

To  
The Principal  
S D Women's College,  
Rajgangpur, Sundargarh  
Pin Code- 770017

Sub: Submission of technical proposal to select supplier for Laboratory Equipments For Chemistry Lab (As per Annex I ) in the New Academic Building II of the college premise.

Ref: Rfp No. .... & date .....

Dear Sir,

I, the undersigned offer to participate in the selection process to select supplier for Inverter and Battery in the New Academic Building of the college premise in accordance with your RFP No. ....

I am here by submitting technical proposal, which include EMD, Technical proposal and financial proposal sealed in two separate envelopes. I, hereby declare that all the information and statement made in the technical and financial proposals are true and correct. I, accept that any misinterpretation contained in it may lead to disqualification of my proposal.

I hereby unconditionally undertake to accept all the terms and conditions as stipulated in the RFP documents. In case any provision of this RFP is found violated, then your college shall without prejudice to any other right or remedy be at liberty to reject our proposal including forfeiture of the full said EMD absolutely.

Yours faithfully

Authorized signatory of the  
firm with date and seal



### FORM T 2: ORGANISATION'S DETAILS

Sl. No	Particular	Details
1	Name of the Firm	
2	Type of Firm (Proprietary/ Partnership/ Pvt. Ltd. / Public Ltd/ Sole Proprietorship)	
3	Date of Establishment and Experience in business (In number of years)	
4	Registered office Address & Complete postal address	
5	Local office in Odisha (along with address & contact details).	
6	Telephone & e-Mail id of authorized person	
7	G.S.T. Registration No.	
8	PAN No.	
9	Willing to carry out assignments as per the scope of work of the RFP (Yes/No)	
10	Willing to accept all the terms and conditions as specified in the RFP (Yes/No)	

Yours faithfully,

Authorized Signatory of the firm with Date and Seal

**FORM T 3: EXPERIENCE DETAILS**

<b>Sl. No.</b>	<b>Name of the University/College? Department/Office to whom materials supplied</b>	<b>Quantity of Materials Supplied</b>	<b>Date of Receipt Work Order with reference number</b>	<b>Date of supply of goods/items.</b>	<b>Remarks if any</b>

Yours faithfully,

Authorized Signatory of the firm with Date and Seal

**FORM T 4: SELF DECLARATION FOR NOT BLACK LISTED**

To,

The principal,  
S D Women's College, Rajgangpur,  
AT/PO: Rajgangpur, Dist.: Sundargarh, 770017

Sub: Self declaration for not black listed.

Ref: RFP No:

Sir,

I/We.....here by confirm that our firm has not been banned/ blacklisted/  
debarred/suspended by the World Bank I Central Govt/ State Govt. / Central or State PSU  
Origination/Central or State Govt. Universities or Colleges,

Yours faithfully,

Authorized Signatory of the firm with Date and Seal

### FORM T 5: MINIMUM REQUIRED SPECIFICATIONS COMPLIENCE SHEET

Interested firm(s) must confirm that the material and specification they are proposing to supply is satisfying the below mentioned minimum required technical specifications.

Deviations (If any) from the below mentioned minimum required technical specifications, must be clearly indicate by the interested firm(s).

#### A. Inverter with Battery

Sl No	Minimum required specification	Compliance (Yes/No)	Deviations
01	Laboratory Equipments For Chemistry Lab (As per Annex I & II )		



**Technical Specification, Quantity & Estimated Cost of the required equipment**

SI No.	ITEM	SPECIFICATION	QUANTITY	Estimated Cost
01	Laboratory Equipments For Chemistry Lab	(As per Annex I & II )	(As per Annex I & II)	Rs,400000/-

Principal  
S D Women's College, Rajgangpur

Form-F 2: Financial Bid

Tender Notice number Date:

Unit Rate/Value must be quoted below exclusive of any Tax and duties. Tax percentage and Tax amount should be mentioned separately. The price Bid will be evaluated as per total value of the equipment exclusive of Taxes and duties.

Sl No	Item Description	Quantity	Unit rate in figure (Rs.)	Unit rate in words (Rs.)	Total Value (Rs.)

(A) Total value

% of GST		GST amount	
% of other duties		Other duty amount	

Note: Amount mentioned in "A" Total value will be considered for the financial Bid evaluation. Tax amount will not be considered for evaluation.

Signature of witness

Signature of the Bidder

Date:

Date:

Place:

Company Seal

Place:

FORM T 6: FINANCIAL TURNOVER DETAILS

Financial Turnover of the Organization during Last Three Financial Years (Certified by a Practicing Chartered Accountant)

SI No	Financial Year	Turnover in INR
01	2020-2021	
02	2021-2022	
03	2022-2023	
Average Annual turnover for the last three years (INR)		

Name of the C A Firm:

Firm Registration NO.

Name Of the Chartered Accountant:

Membership NO..

Signature with Seal:

Yours faithfully,

Authorized Signatory of the firm with Date and Seal

FORM F 1: FINANCIAL PROPOSAL SUBMISSION FORM

To  
The principal  
S D Women's College, Rajgangpur, Sundargarh- 770017.

Sub: Submission Of financial proposal to select supplier for "Laboratory Equipments For Chemistry Lab **in the New Academic Building II** of the college.

Ref: RfP No... .... & Date.....

Dear Sir,  
I, the undersigned, hereby submitting the Financial Proposal to select supplier for " Laboratory Equipments For Chemistry Lab " at the college in accordance Of Rfp No .....

I, hereby declare that all the Financial Figures mentioned in the Financial Proposal is true and correct. I also accept that any misrepresentation Of financial facts and figures may lead to disqualification of my proposal.

Sl No	Name of the Items	Number of Items	Remarks
01			

The other charges (\*) may include:

1. All necessary accessories like cables, Wires, Pipes etc which are instrumental for installation.
2. The transportation/ material handling coast for delivering and installing the required numbers Of materials at the college Premises.

Yours faithfully  
Place and Date:  
Authorized signatory Of  
the firm with date and  
seal



SECTION 7  
(Certificate Of willingness to be submitted by all firms)

To

The principal  
S D Women's College, Rajgangpur, Sundargarh -770017

Sub: Submission Of willingness certificate for supply & installation of  
.....  
..... at your college premises.

Sir

I am to inform you that my firm ..... is ready to supply & install  
.....  
.....  
within 15 days of receipt of work order from the college selected under OHEPEE, if my firm is  
elected as L1. bidder during selection of tender.

In the event of my firm's failure to supply & install the required items in the selected L1  
Cost, my EMD/ Performance security will be forfeited.

Yours faithfully

Place and Date:

Authorized signatory of the firm with date and seal

**ANNEXURE 1**  
**(Proposal Submission Check List)**

<b>SI No</b>	<b>Description</b>	<b>Submitted (Yes/No)</b>
1	Earnest Money Deposit (EMD)	
2	Copy of Certificate of Incorporation / Registration	
3	Copy of Goods and Services Tax Identification Number	
4	Copy of PAN	
5	CA audited copies of Profit & Loss Account and Balance Sheet along with all schedules	
6	Copies of IT Returns for the last three financial years	
7	Technical Proposal Submission Form	
8	Organization's Details	
9	Experience Details	
10	Self-Declaration for not having been blacklisted	
11	Technical Specifications Compliance Sheet	
12	Financial Turnover Details	
13	Financial Proposal Submission Form	
14	Certificate of willingness to be submitted by all firms	

## ANNEX I

ItemNo.	Item	Description	QUANTITY
1	Test tube	TEST TUBE (B.G.)NEUTRAL	
		10ml (Each box 100no)	2 Box
		15ml (Each box 100no)	1 Box
2	Beaker	250ml	15NO
	Beaker	500ml	5NO
3	Test tube stand	TEST TUBE STAND 'POLYLAB' 6 Hole, 16mm & 25mm Dia Tube	6NO
4	Pipette- 10 ml	PIPETTE GRADUATED, 10ml	20 NO
5	Funnel- 3inch die	FUNNEL 'POLYLAB'	35NO
6	Measuring cylinder- 25 ml	MEASURING CYLINDERS, B.G. ROUND BASE with stopper. 25ml	12 NO
7	Measuring cylinder- 50 ml	MEASURING CYLINDERS, B.G. ROUND BASE with stopper. 50ml	10 NO
8	Measuring cylinder- 500 ml	MEASURING CYLINDERS, B.G. ROUND BASE with stopper. 50ml	1NO
9	Measuring cylinder- 1000 ml	MEASURING CYLINDERS, B.G. ROUND BASE with stopper. 50ml	1 NO
10	Dropper	DROPPER Plastic (3ml) Graduated	30pcs
11	Conical flask – 250 ml	FLASK FLAT BOTTOM,	40 pcs
12	Conical flask – 500 ml	FLASK FLAT BOTTOM,	10 pcs
13	Reagent bottles	REAGENT BOTTLE (Narrow Mouth),	60pcs
14	Full hand apron	Unisex Lab Coat Apron with Full Sleeves & 3 Pockets for School and College Students Doctor Nurse	5pcs
15	Half hand aprons	Unisex Cotton Half Sleeve Lab Coat Apron - White	5pcs
16	Watch glass	(Pk of 10) WATCH GLASS	3PKT
17	Volumetric flask 250ml	FLASK MEASURING (VOLUMETRIC), S.G.	5PCS
18	Volumetric flask 500ml	FLASK MEASURING (VOLUMETRIC), S.G.	5PCS
19	Volumetric burette	BURETTE with Rota Flow Stopcock, B.G.25ml	10 pcs
20	Volumetric burette	BURETTE with Rota Flow Stopcock, B.G. 50ml	35 pcs
21	Safety spectacles	3m spectacles	1 pcs
22	Tissue paper	2 Ply Facial Tissue Soft Poly Pack 600 pulls   200 pulls X 3 Rolls   soft and highly absorbent   100% Natural Virgin Cellulose Fiber	2 PKT
23	Burette stand	BURETTE STAND WITH CLAMP	25
24	Test tube brush	TEST TUBE BRUSH (Nylon)	60
25	Glass rod	GLASS ROD (Friction Rod) 12"	20
26	Gas blower pipe	BLOWPIPE (Brass) 8" Heavy With Nozzle	20
27	spatula	SPATULA S.S. (Spoon Type 6",	30
28	Wire gauze	with Asbestos Center & Frame	40pcs
29	Wash bottles	WASH BOTTLE 'POLYLAB' 500ml	10 pcs
30	wooden scale	50cm	25pcs

31	Ohms law digital	Ohm's law apparatus efficiently demonstrates the principles of interdependence of current, voltage and resistance. It has a DC Voltmeter, DC Current meter & a low wattage built in rheostat. The DC Voltage is joined from the outer surface at the appropriate sockets & the resistive load is attached outside. With Power Supply	4pcs
32	Surgical hand globes	NITRILE GLOVES (Powder Free) Pk of 100	1pkt
33	Desicator	DESICATOR 150mm	1pc
34	kater's pendulum	KATER'S PENDULUM (Iron) with 120cm long steel rod & wall bracket	1pcs
35	Bar pendulum	BAR PENDULUM (COMPOUND) Iron (Powder Coated)	1pcs
36	Rubber tubes	RUBBER TUBING COIL (10 meters) Extra Soft Superior Quality 6mm For Burettes	1 pkt
37	Thermoflask	700ml	2pcs
38	Sintered glass crucible	SINTERED GLASS CRUCIBLE G3 B.G.15ml	10pcs
39	Fusion tubes	Fusion Tube	50pcs
40	Micro pipette	Micropipette - Single Channel Semi Autoclavable A Variable Volume Volume Range 0.2 - 2 $\mu$ l	2pc
41	Buchner funnel	BUCHNER FUNNEL (Porcelain Dia 3"	5pcs
42	chromatography paper	one pkt (100pcs)	1pkt
43	Safety face shield	Face Shield helmet Visor Industrial Safety Coverage Full Face Protector Multipurpose Eye UV-Protective Clear Visibility for men women (White-Transparent, 1)	1pc
44	Petridish	90mm	20pcs
45	Burette digital 30	Digital Burette, Model Name/Number: Titertop E, Capacity: 2500	5pc
46	litmus paper	LITMUS PAPER RED (Pk. of 100 Leaves)	2pkt
47	litmus paper	LITMUS PAPER BLUE (Pk. of 100 Leaves)	2pkt
48	Water bath	WATER BATH (Copper) Dia 6"	1 pcs
49	Thermometer	-10 to 250C or 360C, Mercury	6pcs
50	Conductivity Meter	Auto Digital Conductivity Meter (Auto Ranging) 3 / digit LED display with facility for temperature compensation and digital cell constant adjustment 12 along with conductivity cell & other accessories (Table Model).. Warranty-2 yr	1pc
51	sphygmomanometer with stethoscope	combo with dial type	1pcs
52	Conductivity coil	CONDUCTIVITY APPARATUS of 4 Metals (Ring Type) Gentle heating at the centre melts wax placed in the hollows at the end of each strip. Strips of copper, brass, steel and aluminum mounted on a wooden ring and meeting in the centre. Rates of conductivity in the different metals can be compared by the difference in time taken for each cup of wax to melt.	1pcs

53	Coefficient of viscosity of water by capillary flow method .	The design of this apparatus uses a manometer to determine the pressure of the liquid and then use it to calculate its viscosity. Capillary tube of fine bore is fitted on a wooden board with leavening screws. The two ends of the capillary are joined by rubber tubing to two upright L-shaped glass tubes fitted alongside a scale forms the manometer. Glass parts are made from borosilicate glass. With the help of a pinch cock, a steady flow of water is maintained. Supplied with a three limbed metal constant level tank on stand and capillary tube.	1 set
54	Newton's Ring apparatus	To demonstrate interference, refraction and the spectrum of light, when it passes through two glass plates one convex and the other flat, when pressed together. The rings that are generated are called Newton's Rings. Consists of a pair of glass plates, optically polished, 1.6 inch (40 mm) in diameter, visible 1.33 inch (34 mm), one plane and the other plano-convex mounted together in a frame. Pressure between plates adjustable by three nickel plated brass screws. Frame Mount: 2.14 inch (55 mm) dia. x 0.9 inch (90 mm) Thick	1set
55	Moment of Inertia of Flywheel	FLY WHEEL (To Determine the Moment of Intertia).Dia 20cm, with Counter	1set
56	Resistance box	Constantan Coil, 1/2" Brass Block Teak Wood Case (Deluxe Quality) 0.1 to 1 or 1 to 10 Ohm (Any One)	1pcs
57	Two-volt battery	AC/DC BATTERY ELIMINATORS (Super Quality) Combined 2-12V DC, 1Amp	4pcs
58	Induction coil	INDUCTION COIL, Work on (4 - 6 Volts D.C.) 10mm Spark	2pcs
59	Wheatstone bridge	METER BRIDGE (Wheatstone Bridge) With Pencil Jockey (Sunmica base)	2pcs
60	Thin Layer Chromatography –	Consists of BRASS Spreader (Applicator), Perspex Base 114 x 23cm, Al. Drying Plate rack for ten 20 x 20cm plates, Spotting Template Perspex, 5 Glass Plate 20 x 20cm & 2 Plates 20 x 5cm, Micropipette, Scriber, Glass Sprayer with rubber below, Developing Tank. TLC Kit with Brass Spreader	1 Nos
61	Water testing Kit	pH 4 to 10 Turbidity 1 to 25 as NTU Total Hardness 10-200 and 50-1000 PPM (MG/L) Chloride 10-200 and 50-2000 PPM (MG/L) Free Chlorine (DPD) 0.1-2.0 PPM (MG/L) Iron (Dissolved) 0 - 2.0 PPM (MG/L) Fluoride 0.1-2.0 PPM (MG/L) Nitrate 0.5-50 PPM (MG/L) Alkalinity 10-200 and 50-1000 PPM (MG/L)	1no

62	Polarimeter	Bi-Quartz. Specific rotation using Bi Quartz Polarimeter. Backed with the team of highly qualified professionals, we offer Polarimeter to our prestigious customers. It is used for measuring rotating angle of polarized light that is allowed to pass through optically active substance.	1no
63	Meting point Apparatus	Mechanical Type (Heavy Type) Dicasted	1no
64	Pastle & Mortar	PESTLE & MORTAR (Porcelain) size 6"	2pcs
65	Copper foil – 10 Nos	medium	10 pcs
66	Paper chrpmatography kit	Paper Chromatography Experiment Kit With Lab Instructions - Science Experiment For Home, School, Lab - Kit Includes 50-Sheet Filter Paper, Beaker, Dowel, Clips, Pens, Pencil, Detailed Instructions	1no
67	Stop watch	Digital 1/100 Sec,	15pcs
68	Calorie meter	CALLENDAR & BARNES APPARATUS (Continuous Flow Calorimeter) WITH Transformer for Callendar & Barnes Apparatus	1pcs
69	Double distillation	AUTOMATIC WATER DISTILLATION EQUIPMENT ltr/hr,,Double Stage.2 Ltr/min. warranty 1 yr	1No
70	Hot air oven	HOT AIR UNIVERSAL OVEN (Memmert Type) Double walled, Outer chamber made of M.S. Temp. upto 250°C Acc. +/- 10C Thermometer controlled, Heating Element on three sides. Stainless Steel 12" x 12" x 12" 28 Ltr., Air Circulating Fan, Digital Temp. Indicator- Cum-Controller.warranty 2 yr	1pcs
71	Analytic balance	Balance Digital Cap. 600gm, L.C. 0.1gm (100mg warranty 2 yr	1pcs

#### Annex II

#### LIST OF CHEMICALS FOR CHEM LAB

ItemNo.	Item	Description	QUANTITY
1	Methyl Orange indicator-	METHYL ORANGE INDICATOR SOLUTION	125 ML - 5 bottle
2	Ammonium Molybdate	AMMONIUM MOLYBDATE REAGENT SOLUTION	500ml - 2pkt
3	D- Glucose	DEXTROSE (Anhydrous) Extra Pure(Glucose Anhydrous)	500gm - 1pkt
4	Fructose	D-FRUCTOSE Extra Pure(Levulose)	500gm - 1pkt
5	Sucrose	SUCROSE Extra Pure	500gm - 1pkt
6	Hexamethyldiamine	99% Extra Pure	500ml - 1bottle
7	Benzene diazonium hydrogen Sulphate	99% Extra Pure	500ml - 1bottle
8	Potassium iodide	POTASSIUM IODIDE 99% Extra Pure	200gm -2pkt
9	Ammonium Nitrate	AMMONIUM CERIC NITRATE 99% AR	500gm -1pkt
10	Formaldehyde	FORMALDEHYDE SOLUTION 37-41% W/V Extra Pure	500ml- 2bottle
11	Phenol	PHENOL LIQUID 85%	500ml- 2bottle
12	Ceric Ammonium Nitrate	CERIC AMMONIUM NITRATE 99% AR	500gm - 1pkt
13	Calcium Sulphate	CALCIUM SULPHATE Anhydrous (Dried) 96%	500gm - 1pkt
14	Iron Sulphide	FERROUS SULPHIDE POWDER	100gm - 2pkt



15	Universal Indicator	UNIVERSAL INDICATOR SOLUTION ph 4-11 With Colour Chart	125ml - 2bottle
16	Zinc Chloride	ZINC CHLORIDE (Dry) 97% Extra Pure	500gm -1pkt
17	Phenolphthalein indicator	PHENOLPHTHALEIN 1% INDICATOR SOLUTION	125 ML - 7 bottle
18	Ferrous Sulfate	FERROUS SULPHATE (Dried) 86% Extra Pure (Exsiccated White Powder)	500 G - 4pkt
19	Ammonium Sulfate	AMMONIUM SULPHATE 98.5% Extra Pure	500 G- 4pkt
20	Potassium Sulfate	POTASSIUM SULPHATE 99% Extra Pure	500 G - 2pkt
21	Fusion Mixture	FUSION MIXTURE Extra Pure (Sodium & Potassium carbonate)	500 G - 2bottle
22	Ceric ammonium nitrate	AMMONIUM CERIC NITRATE 98% Extra Pure (Ceric Ammonium Nitrate)	500 G - 2pkt
23	Sodium nitropruside	SODIUM NITROPRUSSIDE 98% Extra Pure	500 G - 2pkt
24	Potassium Dichromate	POTASSIUM DICHROMATE 99.5% Extra Pure (Potassium Bichromate)	500 G - 2pkt
25	Ferric Chloride	FERRIC CHLORIDE (Anhydrous) 98% Extra Pure	500 G - 2pkt
26	Sodium Carbonate	SODIUM CARBONATE (Anhydrous) 99.5% Extra Pure	500 G - 4pkt
27	Sodium Bicarbonate	SODIUM BICARBONATE 99.5% Extra Pure (Sodium Hydrogen Carbonate)	500 G - 4pkt
28	Ethyl Alcohol	Ethyl Alcohol	500 ML - 8bottle
29	Sodium hydroxide	SODIUM HYDROXIDE FLAKES 98% Extra Pure	500 G - 4pkt
30	Sodium hydroxide solution	SODIUM HYDROXIDE solution - 0.5N	500 ml- 1bottle
31	NaNo <sub>2</sub>	SODIUM NITRITE 97% Extra Pure	250 ML - 2bottle
32	2,4- dinitrophenyl hydrazine	2,4-DINITROPHENYL HYDRAZINE 98% (For Synthesis)	100GM - 2pkt
33	Ethanol	Ethanol	500 ML - 1bottle
34	Sodium Bisulphate	SODIUM BISULPHATE (Monohydrate) 99% Extra Pure (Sodium Hydrogen Sulphate)	500 G - 2pkt
35	Silver nitrate	SILVER NITRATE 99% Extra Pure	10GM - 2pkt
36	Fehling's solution	FEHLING SOLUTION 'A' (Fehling's Solution No.1)	500 ML - 5 bottle
37	Tollen 's reagent	TOLLEN'S REAGENT	250 ML - 4bottle
38	MnO <sub>2</sub>	MANGANESE DIOXIDE 80% AR	500 G- 2pkt
39	Potassium pyroantimonate	POTASSIUM PYROANTIMONATE 98.5% Extra Pure(Potassium Antimonate)	100GM - 2pkt
40	Sodium Chloride	SODIUM CHLORIDE 99.5% Extra Pure	500 G - 5pkt
41	Potassium bromide	POTASSIUM BROMIDE 99% Extra Pure	500 G - 4pkt
42	Sodium nitrate	SODIUM NITRATE 99% Extra Pure	500 G - 2pkt
43	Starch Solution	STARCH SOLUBLE (Ex-Potato)	500GM - 4pkt
44	Benedict reagent	BENEDICT'S REAGENT (Qualitative)	500 ML - 3bottle

45	Aceto carmine stain solution	ACETO CARMINE SOLUTION (For Microscopy) (CARMINE ACETO SOLUTION)	125 ML- 2bottle
46	Saffranine stain solution	SAFRANINE STAIN SOLUTION (Gram's)	125 ML- 4 bottle
47	Petroleum Ether	PETROLEUM ETHER 40-60°C Extra Pure	500 ML - 8 bottle
48	Acetone	ACETONE 99% Extra Pure	500 ML - 6 bottle
49	copper sulphate solution	Copper sulphate solution 0.1N	500ML - 1 bottle
50	35. Copper turning	COPPER METAL TURNING/FILLING 99.5% Extra Pure	500 GM - 1pkt

  
 Principal  
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