





**PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM**

**REQUEST FOR QUOTATION FORM &  
NOTICE  
(GOODS)**

Office/ Campus:	PHILIPPINE SCIENCE HIGH SCHOOL CALABARZON REGION CAMPUS
Address/ Contact Details:	Sitio Sampaga West, Barangay Sampaga, Batangas City

Quotation No.:	2024-02-028
Date :	February 12, 2024

Project:

**PROCUREMENT OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY AND RESEARCH**

The **PHILIPPINE SCIENCE HIGH SCHOOL CALABARZON REGION CAMPUS (PSHS-CALABARZONRC)** intends to apply the sum of **TWO HUNDRED EIGHTY FIVE THOUSAND SEVEN HUNDRED SIXTY ONE PESOS ONLY (Php285,761.00)** being the Approved Budget for the Contract (ABC) to pay for the contract for the Project: **PROCUREMENT OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY, AND RESEARCH.**

**TERMS OF REFERENCE:**

1. The Philippine Science High School - CALABARZON Region Campus (PSHS-CALABARZONRC) now invites qualified suppliers/dealers/manufactures to submit price quotations for the above-mentioned project with the following deliverables / scopes / specifications:
  - 1.1 For the complete details of this project, please "ORDER" RFQ Form No. 2024-02-028 on the "ASSOCIATED COMPONENTS" link found on this posting;
  - 1.2 Delivery and (whenever required) will be at PSHS CALABARZON Region Campus in Sitio Sampaga West, Brgy. Sampaga, Batangas City
2. Procurement will be conducted through one of the Alternative Modes of Procurement under the "Government Procurement Reform Act".
3. Interested suppliers may obtain the Request for Quotation (RFQ) Form from the Finance and Administrative Division (FAD), PSHS-CALABARZONRC c/o Mr. Edsel E. Espino (043) 724-6199; on February 16 - February 23, 2024 from 9:00am – 3:00pm without cost and from [https:// www.philgeps.net](https://www.philgeps.net).
4. Upon submission of the RFQ, please attach the following documentary requirements:
  - a. Mayor's Permit
  - b. PhilGEPs Registration Number
  - c. DTI or SEC Registration
  - d. Notarized Revised Omnibus Sworn Statement (An unnotarized Omnibus Sworn Statement may be submitted provided you will submit the notarized one after the award of contract.)
  - e. BIR 2303/OCR Number
5. The deadline for submission of duly accomplished RFQ Form (Open or Sealed) is on February 23, 2024, 4:00pm. Suppliers are not required to attend the Opening of Quotations.
6. Send your RFQ with complete documentary requirements to [bac@cbzrc.pshs.edu.ph](mailto:bac@cbzrc.pshs.edu.ph) and address it to Shiela Liz L. Ativo, BAC Secretariat Member.
7. The winning supplier will be notified in writing or by phone or otherwise by the Head of the Procuring Entity (HOPE) subject to the provisions of RA 9184 and its Revised IRR.
8. The PSHS-CALABARZONRC reserves the right to accept or reject any price offer, and to annul the procurement process and reject all offers at any time prior to contract award, without thereby incurring any liability to the affected supplier or suppliers.

ROMEO M. MADRONA  
BAC Chairperson



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Address/ Contact Details: Barangay Sampaga West, Batangas City

Quotation No.:

2024-02-028

Date :

February 12, 2024

SIR/MADAM

May we request for quotation on materials enumerated hereunder. If you are interested and in a position to furnish the same, we shall be glad to have your best prices.

Delivery within \_\_\_\_\_ calendar days upon receipt of approved Purchase Order (PO).

In case of failure to make the full delivery/completion within the time specified as offered/required, the Supplier/ Contractor shall be liable for liquidated damages/penalty of one-tenth (1/10) of one percent (1%) of the Contract Price per calendar day of delay minus the value of the delivered/completed portion(s) of the approved P.O./Contract.

Item #	QTY	UNIT	ITEM/DESCRIPTION	UNIT COST	TOTAL COST
<i>PRICES MUST BE Tax (VAT) INCLUSIVE</i>					
1	1	BOTTLE	Acetone, concentrated, AR, at least 2.5 L		
2	1	BOTTLE	Aluminum oxide, AR, at least 100 g		
3	1	BOTTLE	Ammonium hydroxide, AR, at least 2.5 L		
4	1	BOTTLE	Ammonium persulfate, AR, at least 500 g		
5	1	BOTTLE	Ammonium sulfate, AR, at least 500 g		
6	1	BOTTLE	Anhydrous sodium carbonate, AR, at least 500g		
7	1	BOTTLE	Barium chloride, AR, at least 500 g		
8	1	BOTTLE	Benzamide, AR, at least 100 g		
9	1	BOTTLE	Benzoic acid, AR, at least 500 g		
10	1	BOTTLE	Bromocresol green, AR, at least 25 g		
11	1	BOTTLE	Calcium carbonate, AR, at least 500 g		
12	1	BOTTLE	Calcium hydroxide, AR, at least 500 g		
13	1	BOTTLE	Copper sulfate pentahydrate, AR, at least 500 g		
14	1	BOTTLE	Cyclohexanone, AR, at least 500 ml		
15	1	BOTTLE	Diethyl ether, AR, at least 2.5L		
16	1	BOTTLE	Dipotassium hydrogen phosphate (K2HPO4), AR, at least 500 g		
17	1	GALLON	Ethanol TQ, 1 gal		
18	6	BOTTLE	Ethyl alcohol, absolute, AR, at least 2.5 L		
19	1	BOTTLE	Ferric chloride, at least 500 g		
20	1	BOTTLE	Gelatin, AR, at least 500 g		
21	1	BOTTLE	Hex-1-ene, AR, at least 1 L		
22	1	BOTTLE	Hexane, AR, at least 2.5L		
23	1	BOTTLE	Lactophenol Cotton Blue solution, AR, at least 100 ml		
24	1	BOTTLE	Manganous sulfate heptahydrate, AR, at least 500 g		
25	3	BOTTLE	Methanol, AR, 2.5L		
26	1	BOTTLE	Methylene blue, AR, 25g		
27	1	BOTTLE	Naphthalene powder, AR at least 100 g		
28	1	BOTTLE	Petroleum Ether, AR at least 4 L		
29	1	BOTTLE	pH buffer 4, AR, at least 1 L		
30	1	BOTTLE	pH buffer 7, AR, at least 500ml		

Delivery Term : WITHIN 30 TO 90 CALENDAR DAYS AFTER THE RECEIPT OF PURCHASE ORDER

Delivery Time :

Payment Term : WITHIN 30-45 CALENDAR DAYS AFTER THE COMPLETE DELIVERY OF ITEMS

Very truly yours,

PRICES IN THE ABOVE OFFER ARE  
CERTIFIED TRUE AND CORRECT:

EDSELE E. ESPINO  
PURCHASER

Authorized Company  
Representative :

Telephone: 043-779-8320

(Signature Over Printed Name)

IMPORTANT

- Prices must be typewritten in ink clearly.
- If offering a substitute/equivalent, specify the brand and make.

Company Name :

Address :

Telephone nos. :

T.I.N. :

PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM

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Office/Campus: PHILIPPINE SCIENCE HIGH SCHOOL CALABARZON REGION CAMPUS

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Item #	QTY	UNIT	ITEM/DESCRIPTION	UNIT COST	TOTAL COST
<i>PRICES MUST BE Tax (VAT) INCLUSIVE</i>					
31	1	BOTTLE	Phosphoric Acid, 85%, at least 2.5L		
32	1	BOTTLE	Potassium hydrogen phthalate (KHP), AR, at least 500g		
33	1	BOTTLE	Potassium permanganate, AR, at least 500 g		
34	1	BOTTLE	Silicon oxide, AR, at least 100 g		
35	1	BOTTLE	Silver nitrate, AR, at least 100 g		
36	1	BOTTLE	Sodium acetate, AR, at least 500 g		
37	1	BOTTLE	Sodium azide, AR, at least 100 g		
38	1	BOTTLE	Sodium benzoate, AR, at least 500 g		
39	1	BOTTLE	Sodium bicarbonate, AR, at least 500 g		
40	1	BOTTLE	Sodium carbonate, AR, at least 500 g		
41	1	BOTTLE	Sodium hydroxide, AR, at least 500g		
42	1	BOTTLE	Sodium iodide, AR, at least 250 g		
43	1	BOTTLE	Sodium peroxide, AR, at least 500 g		
44	1	BOTTLE	Starch, AR, at least 500 g		
45	1	BOTTLE	Trypsin solution, AR, at least 100 ml		
46	1	BOTTLE	Zinc chloride, AR, at least 500 g		
47	1	BOTTLE	Zinc sulfate AR, at least 500 g		
48	1	ROLL	Magnesium Ribbon, AR		
49	3	BOTTLE	Schiff's Reagent, AR, at least 100 ml		
50	2	BOTTLE	Biurets reagent at least 100 ml		
51	1	BOTTLE	Orcein, AR, at least 10 g		
52	1	SET	Anti A, Anti B, & Anti -D monoclonal ( at least 10 ml each bottle)		
53	1	BOTTLE	Sodium bicarbonate, Lab grade or higher, at least 500 g		
54	2	PACK	pH indicator, 100s		
55	1	BOTTLE	Potassium iodide, AR 500 g		

Delivery Term : WITHIN 30 TO 90 CALENDAR DAYS AFTER THE RECEIPT OF PURCHASE ORDER

Delivery Time :

Payment Term : WITHIN 30-45 CALENDAR DAYS AFTER THE COMPLETE DELIVERY OF ITEMS

Very truly yours,

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EDSEL E. ESPINO  
PURCHASER

Authorized Company  
-Representative :

Telephone: 043-779-8320

(Signature Over Printed Name)

IMPORTANT

- Prices must be typewritten in ink clearly.
- If offering a substitute/equivalent, specify the brand and make.

Company Name :

Address :

Telephone nos. :

T.I.N. :



## PURCHASE REQUEST

Entity Name: PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS

Fund Cluster: 1,101,101.00

Office/Section : CID		PR No.: 2024-02-029	Date: February 12, 2024		
		Responsibility Center Code : 19-016-09-00014-02			
Stock / Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
<b>Note: All chemicals must be in its original packaging (Not repacked), expiration dates must be at least 3 years from the date of delivery. SDS must be provided per chemical &amp; Certificate of analysis for AR grade chemicals.</b>					
1	bot	Acetone, concentrated, AR, at least 2.5 L	1	2,576.00	2,576.00
2	bot	Aluminum oxide, AR, at least 100 g	1	7,333.00	7,333.00
3	bot	Ammonium hydroxide, AR, at least 2.5 L	1	2,995.00	2,995.00
4	bot	Ammonium persulfate, AR, at least 500 g	1	1,314.00	1,314.00
5	bot	Ammonium sulfate, AR, at least 500 g	1	1,300.00	1,300.00
6	bot	Anhydrous sodium carbonate, AR, at least 500g	1	2,334.00	2,334.00
7	bot	Barium chloride, AR, at least 500 g	1	1,550.00	1,550.00
8	bot	Benzamide, AR, at least 100 g	1	8,367.00	8,367.00
9	bot	Benzolic acid, AR, at least 500 g	1	1,886.00	1,886.00
10	bot	Bromocresol green, AR, at least 25 g	1	22,347.00	22,347.00
11	bot	Calcium carbonate, AR, at least 500 g	1	3,035.00	3,035.00
12	bot	Calcium hydroxide, AR, at least 500 g	1	2,990.00	2,990.00
13	bot	Copper sulfate pentahydrate, AR, at least 500 g	1	2,143.00	2,143.00
14	bot	Cyclohexanone, AR, at least 500 ml	1	7,475.00	7,475.00
15	bot	Diethyl ether, AR, at least 2.5L	1	5,118.00	5,118.00
16	bot	Dipotassium hydrogen phosphate (K <sub>2</sub> HPO <sub>4</sub> ), AR, at least 500 g	1	1,819.00	1,819.00
17	gal	Ethanol TG, 1 gal	1	1,036.00	1,036.00
18	bot	Ethyl alcohol, absolute, AR, at least 2.5 L	6	2,500.00	15,000.00
19	bot	Ferric chloride, at least 500 g	1	2,638.00	2,638.00
20	bot	Gelatin, AR, at least 500 g	1	3,335.00	3,335.00
21	bot	Hex-1-ene, AR, at least 1 L	1	27,485.00	27,485.00
22	bot	Hexane, AR, at least 2.5L	1	3,107.00	3,107.00
23	bot	Lactophenol Cotton Blue solution, AR, at least 100 ml	1	2,799.00	2,799.00
24	bot	Manganous sulfate heptahydrate, AR, at least 500 g	1	1,340.00	1,340.00
25	bot	Methanol, AR, 2.5L	3	1,816.00	5,448.00
26	bot	Methylene blue , AR, 25g	1	2,947.00	2,947.00
27	bot	Naphthalene powder, AR at least 100 g	1	1,967.00	1,967.00
28	bot	Petroleum Ether, AR at least 4 L	1	3,882.00	3,882.00
29	bot	pH buffer 4, AR, at least 1 L	1	1,950.00	1,950.00
30	bot	pH buffer 7, AR, at least 500ml	1	2,376.00	2,376.00
31	bot	Phosphoric Acid, 85%, at least 2.5L	1	5,273.00	5,273.00
32	bot	Potassium hydrogen phthalate (KHP), AR, at least 500g	1	2,131.00	2,131.00
33	bot	Potassium permanganate, AR, at least 500 g	1	3,680.00	3,680.00
34	bot	Silicon oxide, AR, at least 100 g	1	1,708.00	1,708.00
35	bot	Silver nitrate, AR, at least 100 g	1	22,425.00	22,425.00
36	bot	Sodium acetate, AR, at least 500 g	1	1,428.00	1,428.00
37	bot	Sodium azide, AR, at least 100 g	1	5,132.00	5,132.00
38	bot	Sodium benzoate, AR, at least 500 g	1	2,952.00	2,952.00
39	bot	Sodium bicarbonate, AR, at least 500 g	1	1,388.00	1,388.00
40	bot	Sodium carbonate, AR, at least 500 g	1	2,722.00	2,722.00
41	bot	Sodium hydroxide, AR, at least 500g	1	1,181.00	1,181.00
				TOTAL	199,912.00
Purpose: <u>Chemicals and Reagents to be use in Chemistry, Biology and Research Subject</u>					
Requested by:		Approved by:			
Signature : 		Signature : 			
Printed Name : <u>EDUARDO V. ISABELA JR. &amp; EDERLINDA E. LUMANGLAS</u>		Mr. REX S. FORTEZA			
Designation : <u>SRS I &amp; SRA I</u>		CAMPUS DIRECTOR			







## **TERMS OF REFERENCE FOR THE PROCUREMENT OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY AND RESEARCH**

### **I. Background**

The Philippine Science High School is mandated by the government to provide secondary education with emphasis on science and technology with the aim of preparing its students for STEM-related careers. The curriculum was designed to equip students with the knowledge, skills, and attitudes that are deemed to be essential in preparing for a STEM-related career. This aim is realized when instruction is aided with appropriate supplies and equipment.

### **II. Rationale**

Experimenting with various science subjects such as Biology, Chemistry, and Research is essential since it will help students understand actual laboratory concepts. In preparation for the classes next school year 2023 - 2024, increased use of chemicals and reagents will be observed; therefore, the school must purchase chemicals and reagents for laboratory experiments. Enough resources will help the science teachers teach their students the importance of science subjects in their daily activities.

### **III. Scope of Work and Job Specifications**

The service provider should provide the listed chemical reagents following the required specifications indicated for each item (See Enclosure No.1). All chemicals shall be properly labelled with a chemical name, supplier's name, manufacturer's name, chemical source indicating its Lot no., reagent grade (AR or TG), quantity, and concentration and expiration date (Month and year). Expiration dates must be at least 3 years from the date of delivery, if applicable. Suppliers must provide a hard copy of Certificate of analysis for Analytical Reagent (AR) and Safety Data Sheets (SDS) of each chemical to the procuring entity.

### **IV. Approved Budget for the Contract**

The approved budget for the contract is **TWO HUNDRED EIGHTY FIVE THOUSAND SEVEN HUNDRED SIXTY ONE PESOS (Php 285,761.00)**.

### **V. Evaluation and Selection Criteria**

Proposal with the lowest calculated bid with complete specification and required documents such as Certificate of analysis (for AR grade) and SDS for chemicals shall be accepted.

### **VI. Payment Scheme**

Payment for the procured items shall be made **15 to 45 day(s)** the said items are delivered to the procuring entity.

### **VI. Delivery Term**

All items must be delivered within **30 to 90 days** after issuance of purchase order.





Enclosure No. 1

**LIST OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY, PHYSICS AND RESEARCH**

Stock / Property No.	Unit	Item Description	QTY	Unit Cost	Total Cost
		<b>Note: All chemicals must be in its original packaging (Not repacked), expiration dates must be at least 3 years from the date of delivery, if applicable. SDS must be provided per chemical &amp; Certificate of analysis for AR grade chemicals.</b>			
1	bot	Acetone, concentrated, AR, at least 2.5 L	1	2,576.00	2576.00
2	bot	Aluminum oxide, AR, at least 100 g	1	7,333.00	7333.00
3	bot	Ammonium hydroxide, AR, at least 2.5 L	1	2,995.00	2995.00
4	bot	Ammonium persulfate, AR, at least 500 g	1	1,314.00	1314.00
5	bot	Ammonium sulfate, AR, at least 500 g	1	1,300.00	1300.00
6	bot	Anhydrous sodium carbonate, AR, at least 500g	1	2,334.00	2334.00
7	bot	Barium chloride, AR, at least 500 g	1	1,550.00	1550.00
8	bot	Benzamide, AR, at least 100 g	1	8,367.00	8367.00
9	bot	Benzoic acid, AR, at least 500 g	1	1,886.00	1886.00
10	bot	Bromocresol green, AR, at least 25 g	1	22,347.00	22347.00
11	bot	Calcium carbonate, AR, at least 500 g	1	3,035.00	3035.00
12	bot	Calcium hydroxide, AR, at least 500 g	1	2,990.00	2990.00
13	bot	Copper sulfate pentahydrate, AR, at least 500 g	1	2,143.00	2143.00
14	bot	Cyclohexanone, AR, at least 500 ml	1	7,475.00	7475.00
15	bot	Diethyl ether, AR, at least 2.5L	1	5,118.00	5118.00
16	bot	Dipotassium hydrogen phosphate (K <sub>2</sub> HPO <sub>4</sub> ), AR, at least 500 g	1	1,819.00	1819.00
17	gal	Ethanol TG, 1 gal	1	1,036.00	1036.00
18	bot	Ethyl alcohol, absolute, AR, at least 2.5 L	6	2,500.00	15000.00
19	bot	Ferric chloride, at least 500 g	1	2,638.00	2638.00
20	bot	Gelatin, AR, at least 500 g	1	3,335.00	3335.00
21	bot	Hex-1-ene, AR, at least 1 L	1	27,485.00	27485.00
22	bot	Hexane, AR, at least 2.5L	1	3,107.00	3107.00
23	bot	Lactophenol Cotton Blue solution, AR, at least 100 ml	1	2,799.00	2799.00
24	bot	Manganous sulfate heptahydrate, AR, at least 500 g	1	1,340.00	1340.00



25	bot	Methanol, AR, 2.5L	3	1,816.00	5448.00
26	bot	Methylene blue , AR, 25g	1	2,947.00	2947.00
27	bot	Naphthalene powder, AR at least 100 g	1	1,967.00	1967.00
28	bot	Petroleum Ether, AR at least 4 L	1	3,882.00	3882.00
29	bot	pH buffer 4, AR, at least 1 L	1	1,950.00	1950.00
30	bot	pH buffer 7, AR, at least 500ml	1	2,376.00	2376.00
31	bot	Phosphoric Acid, 85%, at least 2.5L	1	5,273.00	5273.00
32	bot	Potassium hydrogen phthalate (KHP), AR, at least 500g	1	2,131.00	2131.00
33	bot	Potassium permanganate, AR, at least 500 g	1	3,680.00	3680.00
34	bot	Silicon oxide, AR, at least 100 g	1	1,708.00	1708.00
35	bot	Silver nitrate, AR, at least 100 g	1	22,425.00	22425.00
36	bot	Sodium acetate, AR, at least 500 g	1	1,428.00	1428.00
37	bot	Sodium azide, AR, at least 100 g	1	5,132.00	5132.00
38	bot	Sodium benzoate, AR, at least 500 g	1	2,952.00	2952.00
39	bot	Sodium bicarbonate, AR, at least 500 g	1	1,388.00	1388.00
40	bot	Sodium carbonate, AR, at least 500 g	1	2,722.00	2722.00
41	bot	Sodium hydroxide, AR, at least 500g	1	1,181.00	1181.00
42	bot	Sodium iodide, AR, at least 250 g	1	8,045.00	8045.00
43	bot	Sodium peroxide, AR, at least 500 g	1	19,861.00	19861.00
44	bot	Starch, AR, at least 500 g	1	4,436.00	4436.00
45	bot	Trypsin solution, AR, at least 100 ml	1	3,910.00	3910.00
46	bot	Zinc chloride, AR, at least 500 g	1	2,903.00	2903.00
47	bot	Zinc sulfate AR, at least 500 g	1	1,557.00	1557.00
48	rolls	Magnesium Ribbon, AR	1	420.00	420.00
49	bot	Schiff's Reagent, AR, at least 100 ml	3	368.00	1104.00
50	bot	Biurets reagent at least 100 ml	2	368.00	736.00
51	bot	Orcein, AR, at least 10 g	1	28,980.00	28980.00
52	set	Anti A, Anti B, & Anti -D monoclonal (at least 10 ml each bottle)	1	2,231.00	2231.00
53	bot	Sodium bicarbonate, Lab grade or higher, at least 500 g	1	1,643.00	1643.00
54	pack	pH indicator, 100s	2	1,455.00	2910.00
55	bot	Potassium iodide, AR 500 g	1	7,113.00	7113.00

TOTAL AMOUNT: **Php 285,761.00**



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**

PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS




Certificate No.: SCP000420Q

**Re: TERMS OF REFERENCE FOR THE PROCUREMENT OF LABORATORY  
CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY AND RESEARCH**

**ABC: Php 285,761.00**

Prepared by:


  
**Mr. EDUARDO V. ISABELA, JR.**  
Science Research Specialist I

  
**Ms. EDERLINDA E. LUMANGLAS**  
Science Research Assistant

Recommending Approval by:

  
**Ms. MABELLE V. FURTO**  
CID Chief

Certified Funds Available by:

  
**Ms. DANICA G. CACAO**  
Budget Officer

  
**Mr. ARNEL E. AGUILA**  
Accountant II

Recommending Approval by:

  
**Ms. MA. THERESA P. PAGULAYAN**  
FAD Chief

Approved by:

  
**Mr. REX S. FORTEZA**  
Campus Director