Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
APAYAO 2ND DISTRICT ENGINEERING OFFICE
San Isidro Sur, Luna, Apayao, Cordillera Administrative Region

BAGONG PILIPINAS

INVITATION TO BID

FOR

SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT/ APPARATUS FOR USE OF DPWH-ASDEO LABORATORY

The Department of Public Works and Highways **Apayao 2nd District Engineering Office**, through its Bids and Awards Committee, through the **FY 2024 GAA** intends to apply the sum of **EIGHT HUNDRED EIGHTY-FIVE THOUSAND SIX HUNDRED NINETY PESOS AND FORTY CENTAVOS ONLY (Php 885,690.40)** being the ABC to payments under the contract for **Contract ID No. 24GPC0012- SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT/ APPARATUS FOR USE OF DPWH-ASDEO LABORATORY.**

1. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. **The DPWH-Apayao 2nd District Engineering Office** now invites bids for the above Procurement Project. Delivery of the Goods is required **FORTY-FIVE (45) calendar days.** Bidders should have completed, within **five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary **"pass/fail"** criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

    a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from Department of Public Works and Highways **Apayao 2nd District Engineering Office** and inspect the Bidding Documents at the address given below during **8:00 AM to 5:00 PM (Monday-Friday).**

5. A complete set of Bidding Documents may be acquired by interested Bidders on **November 6, 2024-December 2, 2024** from the given address or website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **ONE THOUSAND PESOS (Php 1,000.00).** The procuring Entity shall allow the bidder to present its proof of payment for the fees in person.

6. The **DPWH-Apayao 2nd District Engineering Office** will hold a Pre-Bid Conference on **November 18, 2024, (10:00 am)** at the **Procurement Office, DPWH-Apayao 2nd District Engineering Office, San Isidro Sur, Luna, Apayao** and/or through video conferencing or webcasting via any available video conferencing services website/applications, which shall be open to prospective bidders.

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Contract ID: **24GPC0012**
Contract Name: **SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT/ APPARATUS FOR USE OF DPWH-ASDEO LABORATORY**

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **December 2, 2024 at 9:00 AM.** Late bids shall not be accepted.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.

9. Bid opening shall be on **December 2, 2024 at 2:00 P.M.** at the given address below and/or via any available video conferencing services website/applications. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

10. Bids shall address to:

AUREL A. PEREZ
BAC Chairperson
DPWH-Apayao 2nd DEO
San Isidro Sur, Luna, Apayao

11. The DPWH-Apayao 2nd District Engineering Office reserves the right to reject any and all bids, declare a failure bidding, or not award the contract at any time prior to contract award in accordance with Section 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

12. For further information, please refer to:

BENJAMIN V. DOMINGO
Head, BAC Secretariat
Procurement Unit Office, Apayao 2nd DEO
apayaosecondprocurement@yahoo.com
CP No: 09280494899

13. You may visit the following websites:
For downloading of Bidding Documents:
DPWH Website: November 6-12, 2024
PhilGEPS Website: November 6-December 2, 2024

Approved By:

AUREL A. PEREZ
Assistant District Engineer
Chairperson, Bids and Awards Committee

BILL OF QUANTITIES
Department of Public Works and Highways (DPWH)

Project ID No. **24GPC0012**

SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT/ APPARATUS FOR USE OF DPWH-ASDEO LABORATORY

ABC: **Php 885,690.40**

CONTRACT DURATION : **45CD**

Part No. :

Procuring Entity Pay item No.	Description	Quantity	Unit	Column (5) and (6) are to be filled up by the Bidder Unit Price (Pesos)	Amount (Pesos)
1	2	3	4	5	6
1	**1000ml Graduated Cylinder**	1	pc	In Words: Pesos In Figures:	In Words: Pesos In Figures:
	Specifications: made of borosilicate glass; consists of a top, graduated portion of uniform diameter and a base; base shal be hexagonal; permanent and legible markings; capacity line- uniform width with max 0.6mm, etched or engraved, shall extend a min. of 90% of the neck circumference				
2	**Digital Electronic Balance with 0.01g x 2000g cap**	1	pc	In Words: Pesos In Figures:	In Words: Pesos In Figures:
	Specifications: Digital (AC powered, 220-240V); Capacity: 2000g; Sensitivity: 0.01g				
3	**Analytical Balance with 0.001g x 500g cap**	1	pc	In Words: Pesos In Figures:	In Words: Pesos In Figures:
	Specifications: Digital (AC powered, 220-240V); Capacity: 500g; Sensitivity: 0.001g; Repeatability: ±0.002g; linearity error: ±0.002g				
4	**Brass sample cup 55x35mm**	3	pc	In Words: Pesos In Figures:	In Words: Pesos In Figures:
5	**Brass sample cup 70x45 mm**	3	pc	In Words: Pesos In Figures:	In Words: Pesos In Figures:
6	**Filter paper of filter ring (For extraction test - Bituminous mix)**	1	box	In Words: Pesos In Figures:	In Words: Pesos In Figures:
	Specifications: such filter rings shall consist of low-ash filter paper stock, 1.27 ± 0.13 mm (0.05 ± 0.005 in.) thick. The nominal base weight of the paper shall be 150 ± 14 kg (330 ± 30 lb) for a ream [500 sheets, 635 by 965 mm (25 by 38 in.)]. The ash content of the paper should not exceed 0.2 percent (approximately 0.034 g per ring)				

7	**Cylinder mold 6" x 12 "**	6	set	In Words: Pesos _____ _____ _____ In Figures:_____	In Words: Pesos _____ _____ _____ In Figures:_____
8	**Beam mold 6" x 6" x 21"**	6	set	In Words: Pesos _____ _____ _____ In Figures:_____	In Words: Pesos _____ _____ _____ In Figures:_____
9	**Retroreflectometer Portable Gauge (For road marking traffic sign)**	1	unit	In Words: Pesos _____ _____ _____ In Figures:_____	In Words: Pesos _____ _____ _____ In Figures:_____
	Specifications: conforms to ASTM E1709 The retroreflectometer shall be portable, with the capability of being placed at various locations on on the signs. The retroreflectometer shall be constructed so that placement on the sign will preclude stray light (daylight) from entering the measurement area of the instrument and affecting the reading. Instrument Standard, or standards of desired color(s) and material(s)				
	Light Source Requirements: The projection optics shall be such that the illuminance at any point over the measurement area shall be within 10 % of the average illuminance. The aperture angle of the source as determined from the center of the measurement area shall be not greater than 0.1°.				
	Receiver Requirements: The receiver shall have sufficient sensitivity and range to accommodate coefficient of retroreflection values from 0.1 to 1999.9 cd • lx-1. m-2.				
	The combined spectral distribution of the light source and the spectral responsivity of the receiver shall match the combined spectral distribution of CIE Illuminant A and the V(A) spectral luminous efficiency function according to the following criterion: For any choice of plano-parallel colored absorptive filter mounted in front of a white retroreflective sample, the ratio of the RA measured with the filter to the RA measured without the filter shall be within 10 % of the Illuminant A luminous transmittance of an air space pair of two such filters.				
	The instrument may be either a "point instrument" or an "annular instrument," depending on the shape of the receiver aperture. Point and annular instruments make geometrically different measurements of RA, which may produce values differing on the order of 10 %. Both measurements are valid for most purposes, but the user should learn the type of instrument from its specifications sheet and be aware of certain differences in operation and interpretation. For both instrument types, the "up" position of the instrument shall be known. Both types of instruments may make additional measurements at observation angles other than the 0.5 degree of this specification and combine the measurement at two or more different observation angles if the readings at the different observation angles are reported separately.				

	The point instrument makes an RA measurement virtually identical to an RA measurement made on a range instrument following the procedure of Test Method E810. The -4° entrance angle would be set on a range instrument by setting b1=-4°; b2=0°. This may be called "-4° entrance angle." The rotation angle (e) for the point instrument is determined by the angular position of the instrument on the sign face. Assuming the retroreflector's datum axis to be upward, the rotation angle equals 0° when the instrument is upright. Clockwise rotation of the instrument on the sign face increases the rotation angle.				
	For the point instrument the "up" marking shall be opposite the entrance half-plane. It shall be in the observation half-plane.				
	The annular instrument makes an RA measurement similar to an average of a large number of RA measurements on a range instrument with presentation angle (g) varying between -180° and +180°. For the 4o entrance angle the range instrument would include the B1 and B2 settings indicated in Table 1 of ASTM E1709. There is no definite rotation angle (e) for the annular instrument. All values from -180° to +180° are included in the measurement. For the annular instrument the "up" marking shall be opposite the entrance half-plane				
	For both instrument types, the orientation angle (Ws) is determined by the angular position of the instrument on the sign face. It is the rotation angle (c) rather than the orientation angle (Ws) which primarily affects retroreflection of signs measured at the small 4° entrance angle.				
	Rotationally insensitive sheetings, such as glass bead sheetings, have RA values that are nearly independent of the rotation angle. Accordingly, the point and annular instruments will make practically identical measurements of RA for signs made with such sheetings				
	Most prismatic retroreflectors rotationally sensitive, having RA values that vary significantly with rotation angle (ε), even at small entrance angles. The difference of RA measurements made with the two types of instrument on prismatic signs may become as great as 25 % in extreme cases, but is generally on the order of 10 %. Neither the magnitude nor the direction of difference can be predicted for unknown samples. Thus, critical comparison of prismatic sign RA values measured by instruments of the two types is not recommended.				
	An annular instrument cannot gage the variation of RA with rotation angle. Accordingly, repeatable RA measurement of prismatic signs with an annular instrument does not require care in angular positioning.				
10	**Manometer Liquid**	1	btl	In Words: Pesos _____	In Words: Pesos _____
	Specifications: Nonvolatile Non-hygroscopic liquid of low viscosity and density such as: Dibutyl phthalate Dibutyl 1&2-benzene-dicarboxylate Light grade mineral oil			In Figures:_____	In Figures:_____

"Total Amount in Words: _____

Project to be completed within _____CD.

Submitted By:

_____ _____

(Name and Signature of the Duly Authorized Bidders Representative) (Date)

_____

(Position)

_____

(Name of Bidder)