

**INVITATION TO BID FOR
24GFB0001**

The Department of Public Works and Highways - Albay 2nd District Engineering Office, through its Bids and Awards Committee (BAC) for Goods, invites suppliers to apply to submit bids for the following Contract:

Contract Name : **Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section**

Contract Location : **DPWH-Albay 2nd DEO, RES V Compound, Airport Site, Legazpi City, Albay**

Brief Description of Goods to be Procured : **Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section**

Approved Budget for the Contract (ABC) : **P31,372,855.54**

Source of Funds : **101101 (FY 2024)**

Delivery/Contract Duration : **30 C.D.**

PR NO. : **24-01-005**

The BAC is conducting the public bidding for this Contract in accordance with Republic Act No. 9184 and its Implementing Rules and Regulations (IRR).

Bidders should have completed, within 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 IV, Instruction to Bidders.

To be eligible to bid for this Contract, a supplier must meet the following major requirements:

- Registration certificate from SEC, Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives;
- Mayor's/Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located or the equivalent document for exclusive economic zones or areas;
- Tax clearance per Executive Order 398, series of 2005, as finally reviewed and approved by the BIR;
- Filipino citizen or 60% Filipino-owned partnership/corporation;
- Completion of similar contract costing at least 50% of the ABC;
- Net Financial Contracting Capacity (NFCC) at least equal to the ABC or in lieu of the NFCC computation, a committed line of credit (CLC) specific to the contract to be bid from a universal or commercial bank.

The DPWH will use non-discretionary "pass/fail" criteria in the eligibility check, preliminary examination of bids, evaluation of bids, post-qualification, and award.

The schedule of key procurement activities for this Contract are shown below:

Activity	Time	Place
1. Issuance/Downloading of Bidding Documents	March 14, 2024 (Thurs.) to April 02, 2024 (Tues.)	Hard copies at BAC Secretariat, Procurement Section of this Office. Downloadable from DPWH website www.dpwh.gov.ph and PhilGEPS website www.philgeps.gov.ph
2. Pre-Bid Conference	Thursday, March 21, 2024 at 10:00:00 AM	
3. Receipt by the BAC of Bids	April 02, 2024 until 10:00 am	
4. Opening of Bids	Immediately after cut-off of dropping	

Bidders shall pay a fee of **P25,000.00** for the Bidding Documents, upon securing hard copies of the documents. Bidding documents fee **may be refunded** in accordance to section 17.5. of the 2016 Revised IRR of R.A. 9184, however, said refund shall be subject to the conditions stipulated based on the grounds provided under Section 41 of the Act and this IRR. Bidders that download the Documents from the DPWH/PhilGEPS website shall pay fee upon submission of their the bids. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in Instruction to Bidders.

The DPWH - Albay 2nd District Engineering Office reserves the right to accept or reject any bid and to annul the bidding process at any time before the contract award, without incurring any liability to affected bidder/s, accordance with the provisions of Section 41 of RA 9184 and its IRR.

Any request for additional information concerning this bidding shall be directed to the following:

BAC Chairman: **Engr. NINEZ B. REGALADO**

Address: Albay 2nd DEO, RES V Compound

Airport Site, Legazpi City

Telephone No.: 480-07-90

Email Address: procurement.albay2nd@gmail.com

OIC - Head Procurement Officer: **Engr. MARIA JOY L. ZAMUDIO**

Address: Albay 2nd DEO, RES V Compound

Airport Site, Legazpi City

Telephone No.: 480-07-90

Email Address: procurement.albay2nd@gmail.com


Approved by:

Dates of Publication:

March 14, 2024 to March 20, 2024

Newspaper:

N/A


NINEZ B. REGALADO
Chief, Maintenance Section
BAC, Chairman

BID DATA SHEET

ITB Clause	
1.1	<p>The PROCURING ENTITY is DPWH, Albay 2nd District Engineering Office</p> <p>The Acope of the Goods/Services required under this Contract Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section</p>
2	<p>The Funding Source is: The Government of the Philippines (GOP) through 101101 (FY 2024) amounting to <u>P31,372,855.54</u> The name of the project is Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section</p>
3.1	No further instructions.
5.1	No further instructions.
5.2	None of the circumstances mentioned in the ITB Clause exists in this Project. Foreign bidders, except those falling under ITB Clause 5.2(b), may not participate in this Project.
5.4	No further instructions.
6.3	No further instructions.
8.1	Subcontracting is not allowed.
8.2	Not applicable.
9.1(a)	<p>The procuring Entity will hold a pre-bid conference for this Project on March 21, 2024 at 10:00am, DPWH Albay 2nd District Engineering Office, Airport Site, Legazpi City.</p>
9.1(b)	Contract duration is 30 C.D.
10.1	<p>The Procuring Entity's address is: DPWH Albay 2nd District Engineering Office, RES Compound, Airport Site, Legazpi City JOANNE T. MORALES, BAC Chairman (052) 480-0790</p>
10.3	No further instructions.
12.1(a)(i)	No other acceptable proof of registration is recognized.
13(c)(2)	The statement of all ongoing government and private contracts shall include all such contracts prior to the deadline for the submission and receipt of bids.
13(c)(3)	No additional requirements.

14	The ABC is ₱31,372,855.54 Any bid with a financial component exceeding this amount shall not be accepted.
14.2	No incidental services are required.
17.1	The bid prices for Goods supplied from outside of the Philippines shall be quoted in Philippine Pesos.
18.1	Bids will be valid until 120 C.D. from the date of opening of bids.
19.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p>1. The amount of ₱627,457.11 , if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>2. The amount of ₱1,568,642.78 , if bid security is in surety bond; or</p> <p>3. Any combination of the foregoing proportionate to the share of form with respect to total amount of security.</p>
19.2	The bid security shall be valid until July 30, 2024
21.3	Each Bidder shall submit 1 original copy duly signed and 1 photocopy (duly signed) of the first and second components of its bid.
22	<p>The address for submission of bids is The Chairman, DPWH, Albay 2nd District Engineering Office, Airport Site, Legazpi City.</p> <p>The date for submission of bids is April 02, 2024 until 10:00 am</p>
25.1	<p>The place of Bid Opening is at DPWH, Albay 2nd District Engineering Office, Airport Site, Legazpi City.</p> <p>The Date and Time of Bid Opening is Immediately after cut-off of dropping</p>
25.2	No further instructions.
28.3(d)	Bid Modification is allowed.
28.4	No further instructions.
28.5	No further instructions.
29.2(b)	<p>Only tax returns filed and taxes filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted.</p> <p>NOTE: The latest income and business tax returns are those within the last six months preceding the date of bid submission.</p>
29.2(d)	No other acceptable proof of registration is recognized.
32.4(g)	No further instructions.
33.2	No further instructions.

SPECIAL CONDITION OF CONTRACT
24GFB0001

**Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material
Testing of Quality Assurance Section**

GCC Clause	
1.1(g)	The Procuring Entity is DPWH Albay 2nd District Engineering Office.
1.1(i)	The Supplier is _____ .
1.1(j)	The Funding Source is 101101 (FY 2024) in the amount of P31,372,855.54
1.1(k)	The Project Site is located at <u>DPWH-Albay 2nd DEO, RES V Compound, Airport Site, Legazpi City, Albay</u>
5.1	The Procuring Entity's address for Notices is at RES V Compound, Airport Site, Legazpi City, Albay. The Supplier's address for Notices is _____ .
	<p style="text-align: center;">Additional Bidding Requirements the Prospective Bidders must closely comply;</p> <p>1. Improperly sealed and marked bid envelopes is ACCEPTED provided that the bidder is duly authorized representative shall acknowledge such condition of the bid as submitted.</p> <p>2. Prospective bidders shall present their ORIGINAL OFFICIAL RECEIPT OF PAYMENT for Bid Documents (Project Specific) to the BAC Secretariat of this office before the deadline stated in the Invitation to Bid (IB). Only the owner or authorized representative with a Special Power of Attorney (SPA) will be allowed to transact business relative to the bidding matters.</p>
6.20	<p>Delivery and Documents – Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <p>(i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;</p> <p>(ii) Original and four copies delivery receipt/note, railway receipt, or truck receipt;</p> <p>(iii) Original Supplier's factory inspection report;</p> <p>(iv) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate;</p> <p>(v) Original and four copies of the certificate of origin (for imported Goods);</p> <p>(vi) Delivery receipt detailing number and description of items received signed by the authorized receiving personnel;</p> <p>(vii) Certificate of Acceptance/Inspection Report signed by the</p>

	<p>Procuring Entity's representative at the Project Site; and</p> <p>(viii) Four copies of the Invoice Receipt for Property signed by the Procuring Entity's representative at the Project Site.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging 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. The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity. The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination</p> <p>Insurance –</p> <p>The Goods supplied under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The Goods remain at the risk and title of the Supplier until their final acceptance by the Procuring Entity.</p> <p>Patent Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
10.40	Not applicable.
13.40	No further instructions.
16.10	None
17.30	No further instructions.
17.40	No further instructions.
21.10	No further instructions.

SCC for Contract ID No. 24GFB0001



BILL OF QUANTITIES

24GFB0001 - Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section

Stock/ Property No.	ITEM/ DESCRIPTION	Quantity	Unit/s	Unit Cost	Total Cost
1	RCPC TESTING MACHINE -Conforms to ASTM C497 - Rate of Loading: Maximum of 10168 Newton meter/ linear meter of pipe per minute. -The upper bearing shall be rigid wood. -The lower bearing shall consist of wood or hard rubber strips. -Concrete Pipe Testing Machines consist of a. Load Frame The frames are rigid 2 column constructions with superior axial and lateral stiffness and are precision aligned. The load-controlled double acting piston is integrated to upper beam. The actuator has anti-rotation system to prevent the natural tendency of the actuator to rotate. The stroke of the double acting actuator is 300 mm. Load cell is used for precise load measurement and closed loop control. b. Automatic Hydraulic Power Pack Automatic Hydraulic Power Pack, dual stage, controlled by digital readout unit is designed to supply the required oil to the load frames for loading. Controller unit has a simple and compact configuration. Very silent power pack can load the specimen between 1 kN/sec. to 20 kN/sec, with an accuracy of $\pm 5\%$. A Rapid approach pump is supplied as standard. Safety valve (maximum pressure valve) is used to avoid machine overloading. Maximum working pressure of the system is 410 bar. c. Digital data acquisition & control system The unit is designed to control the machine and processing of data from load-cells and pressure transducers which are fitted to the machine. The unit has easy to use menu options. Digital graphic display unit loading rate of the time of Testing and load values can be monitored. -The Concrete Pipe Testing Software is supplied free of charge with the Concrete Pipe Testing Machine. Sample, company, laboratory and test values can be entered in the programme. Load-time graphic, test reports and sample reports can be taken. Software provides test data, results, and the load-time graphs can be seen at LCD screen. The Concrete Pipe Testing Machine can be controlled (Start, Stop commands) by a computer with the software free of charge. -Pace rate control from 1 kN/sec to 20 kN/sec depending on piston size. Can control 2 frames. Can make test with load control. Real time display of test graph. Analog channels for different frame load cells, LCD display -Free of charge PC software for the test control and printout the test report. -The manufacturer shall provide a Certificate of compliance demonstrating that the product being supplied can perform the test as outlined in the updated version of ASTM C497. -220/240/220-240 V and with 220/240/220-240 V AVR/UPS	1	unit		-
2	COMPRESSION MACHINE FOR HYDRAULIC CEMENT MORTARS (USING 2-IN. OR [50MM] CUBE SPECIMENS -Conforms to ASTM C109 -Hydraulic or Screw Type, with sufficient opening between the upper bearing surface & the lower bearing surface of the machine to permit the use of verifying apparatus. -Numerical display large enough to be easily read. -Numerical increment equal to or less than 0.10% of the full scale load	1	unit		
See continuation next page.....					
		TOTAL			

NAME OF SUPPLIER _____
AMOUNT IN WORDS _____
AMOUNT IN FIGURES _____
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Stock/ Property No.	ITEM/ DESCRIPTION	Quantity	Unit/s	Unit Cost	Total Cost
	The Mortar Compression Machine consist of: a. Very rigid two column single or double chamber Load Frames, b. Automatic Hydraulic Power Pack c. Digital Data acquisition & control system, d. Upper Platen (with ball seating assembly), e. Lower Platen, f. Loading Cylinder Assembly & Limit switch for safety -Load accuracy within 1.0% within the verified loading range -220/240/220-240 V and with 220/240/220-240 V AVR/UPS -The supplier shall provide a certificate of compliance demonstrating that the product being supplied satisfies the specifications outlined in "ASTM C109"				
3	DUCTILOMETER/ DUCTILITY MACHINE -conforms to AASHTO T 51 / ASTM D 113 - For pulling the briquet of asphalt material apart, specimen continuously immersed in water while being pulled apart at a uniform speed without undue vibration, test speed vibration within $\pm 5\%$, water in the tank of testing machine shall cover the specimen both above and below it by ≥ 2.5 cm and shall be maintained at $25 \pm 0.5^\circ\text{C}$, -with water refrigeration to maintain temperature of water -shall have a means by which the elongation at the time of rupture can be measured in cm, capable of 5 cm/min test speed, -220/240/220-240 V and with 220/240/220-240 V AVR/UPS.	1	unit		
4	BRIQUETTE MOLD AND BASE PLATE -conforms to ASTM D113 or AASHTO T5 -brass, 10 ± 0.1 mm thick,	3	pcs		
5	BRIQUETTE BASE PLATE -conforms to ASTM D113 or AASHTO T5 -a brass base plate that is larger than the assembled mold	3	pcs		
6	ROTATING SHELF THIN-FILM OVEN -Forced ventilation or forced air type (with fan to move the air inside the oven) -Electrically heated -Digital temperature display, Thermostatically controlled, Stainless Steel interior material -Automatic over-temperature alarm -Temperature range: 75°C to 180°C or wider range -With local calibration showing temperature uniformity of $\pm 5^\circ\text{C}$ or better throughout testing chamber at 110°C , 163°C , 200°C and 250°C -Rectangular interior -Minimum internal dimensions (excluding heating element): 330 x 330x 330 mm -Front opening is the same interior height and width of the oven -Front opening has a tightly fitted hinged door with a mininum 100 x 100 mm (4x4 in) window composed of 2 sheets glass separated by an air space positioned to allow reading of a vertical thermometer without opening the door -with openings for the entrance of air and for the exit of heated air and vapors	1	unit		
See continuation next page.....					
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	<p>-with a single vertical shaft centered with respect to the horizontal interior dimensions of the oven and has provisions for suspending a rotating shelf vertically as close to the center of the oven as permitted</p> <p>-with mechanical means of rotating the vertical shaft and attached Rotating Shelf at the rate of 5.5 ± 1.0 r/min</p> <p>-upon reaching 163°C and 2 sample pans are introduced, the oven is capable of returning to 162°C within 15 minutes</p> <p>- with provision for supporting the thermometer from the shaft of the circular shelf in a vertical position at a point equidistant from the center and outer edge of the shelf and the bottom of the thermometer bulb is approximately 6.4 mm (1/4 in) above the top of shelf</p> <p>-Includes certificate(s) from the manufacturer showing conformance to AASHTO T 179 with the certificate containing the specific brand, model and serial number of oven.</p> <p>-With rotating shelf- conforms to AASHTO T179 or has the following specs: circular metal shelf for sample container, min. dia. 280mm, rotating rate= 5.5 ± 1.0 r/min, vertically located as close to the center of the oven, 2-6 marked sample container positions, 1 shelf max per oven</p> <p>-220-240 V and with 220/240/220-240 V AVR/UPS</p>				
7	<p>SIEVE 325</p> <p>- 45-μm (No. 325); Conforms to ASTM C 430 consists of the following:</p> <p>a. Sieve Frame- metal not subject to corrosion by water & circular, either 50 ± 6 mm (2.0 ± 0.25 in.) when woven-wire cloth is mounted in the frame or 76 ± 6 mm (3.0 ± 0.25 in.) in diameter when an electroformed sheet is mounted the frame; depth of the sieve from the top of the frame to the cloth or sheet shall be 76 ± 6 mm (3.0 ± 0.25 in.); either side walls of 89 ± 6 mm (3.5 ± 0.25 in.) in total height, or legs at least 12 mm (0.5 in.) in length, sufficient to allow air circulation beneath the sieve cloth or electroformed sheet.</p> <p>b. Sieve Cloth or Electroformed Sheet- sieve frame shall be fitted with either a 45-μm (No. 325) stainless steel AISI Type 304 woven-wire sieve cloth, conforming to ASTM E11 or a 45-μm electroformed reinforced nickel sieve sheet conforming to ASTM E 161 with the exception that the number of openings shall be 71 ± 2 per liner centimetre (180 ± 5 per linear inch).</p> <p>c. Cloth or Sheet Mounting:</p> <p>c.i. Woven-Wire Cloth Mounting- Type 304 stainless steel woven-type cloth shall be mounted in the frame without distortion, looseness, or wrinkling. For a sieve fabricated by soldering the cloth to the frame, the joint shall be made smooth to prevent the cement from catching in the joints between the sieve cloth and the frame. Two-piece sieves shall clamp tightly on the cloth to prevent the cement from catching in the joints between the sieve cloth and the frame.</p> <p>c.ii. Electroformed Sieve Sheet Mounting - electroformed reinforced nickel sieve sheet shall be mounted in the frame without distortion, looseness, or wrinkling. The joint between the sieve cloth and the frame shall be made smooth with the material impervious to water.</p>	3	Unit/s		
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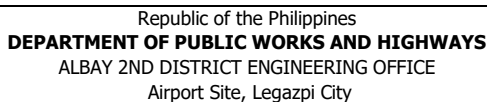


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Stock/ Property No.	ITEM/ DESCRIPTION	Quantity	Unit/s	Unit Cost	Total Cost
8	THREE GANG STEEL CUBE MORTAR MOLD -conforms to ASTM C 109 - 2"x 2" tight fitting molds; ≤ 3 cube compartments; shall be separable into ≤ 2 parts; positively held together when assembled - made of hard metal not attacked by the cement mortar; Rockwell hardness number ≥ 55 HRB; - mold sides shall be sufficiently rigid to prevent spreading or warping; mold interior faces shall be plane surfaces; Planeness of sides <0.001 in (<0.025 mm), -Distance between opposite sides = 2 in. ± 0.005 (50mm ± 0.13 mm), Height of each compartment = 2 in. + 0.01 in. to -0.005 in. (50mm + 0.25mm to -0.13 mm), -Angle between adjacent faces (Measured at points slightly removed from the intersection. Measured separately for each compartment between all the interior faces and the adjacent face and between interior faces and top & bottom planes of the mold) = $90 \pm 0.5^\circ$	55	pcs		
9	LENGTH COMPARATOR - conforms to ASTM C 490 - designed to accommodate the size specimen employed and to provide or permit a positive means of contact with the gauge studs and the convenient and rapid obtaining of comparator readings; a horizontal comparator should be used with prisms with a cross section greater than 9 in. ² or 58cm. ² ; design shall provide a means for checking the measuring device again a reference bar at regular intervals: shall provide - The comparator shall provide a dial micrometer or other measuring device graduated to read in 0.002-mm units or less, accurate within 0.002 mm in any 0.020-mm range, and within 0.004 mm in any 0.200-mm range, and sufficient range (at least 8.0 mm) in the measuring device to allow for small variations in the actual length of various specimens. The terminals of the comparator shall be plane, polished and heat-treated. They shall be fitted with collars held in place with set screws. The collars shall extend 1.5 6 0.1 mm beyond the plane face of the terminal. The collars shall allow free rotation of the gauge stud tips that fit inside the collars and have an inside diameter no more than 0.5 mm less than the nominal diameter of that portion of the gauge	2	Unit/s		
10	MULTI FUNCTION COLOUR PRINTER & COPIER Machine Type: A3 Colour Laser Multifunctional Control Panel: 10.1" TFT Colour Touch Panel Memory: RAM: Main CPU 2GB Image Processing CPU: 1GB+0.5GB Storage: SSD 256GB Interface Connection NETWORK Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) Paper Supply Capacity (A4, 80gsm) Standard: 1,200 Sheets (2x550 sheet cassettes, 1x100-sheet multipurpose tray) Paper Output Capacity (A4, 80gsm) Standard: 250 sheets Multi Purpose Tray: Supported Media size: SRA3, A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, Foolscap, Idian Legal, F4A Custom size: 98.4 x 139.7 mm to 320.0 x 457.2mm Free size: 100.0 x 148.0 mm to 304.8 x 457.2 mm	4	unit/s		
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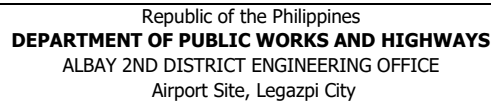
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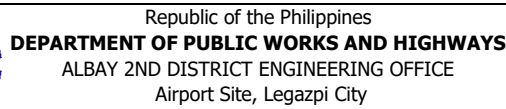


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2	COMPRESSION MACHINE FOR HYDRAULIC CEMENT MORTARS (USING 2-IN. OR [50MM] CUBE SPECIMENS -Conforms to ASTM C109 -Hydraulic or Screw Type, with sufficient opening between the upper bearing surface & the lower bearing surface of the machine to permit the use of verifying apparatus. -Numerical display large enough to be easily read. -Numerical increment equal to or less than 0.10% of the full scale load	1	Unit/s		
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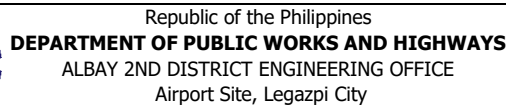
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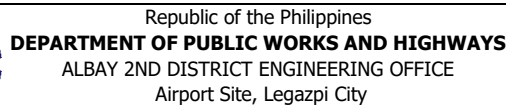
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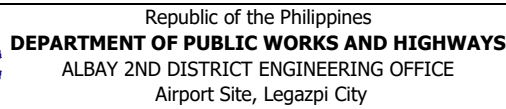


BILL OF QUANTITIES

24GFB0001 - Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section

Stock/ Property No.	ITEM/ DESCRIPTION	Quantity	Unit/s	Unit Cost	Total Cost
11	MULTI FUNCTION COLOUR PRINTER & COPIER Machine Type: A3 Colour Laser Multifunctional Control Panel: 10.1" TFT Colour Touch Panel Memory: RAM: Main CPU 2GB Image Processing CPU: 1GB+0.5GB Storage: SSD 256GB Interface Connection NETWORK Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) Paper Supply Capacity (A4, 80gsm) Standard: 1,200 Sheets (2x550 sheet cassettes, 1x100-sheet multipurpose tray) Paper Output Capacity (A4, 80gsm) Standard: 250 sheets Multi Purpose Tray: Supported Media size: SRA3, A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, Foolscap, Indian Legal, F4A Custom size: 98.4 x 139.7 mm to 320.0 x 457.2mm Free size: 100.0 x 148.0 mm to 304.8 x 457.2 mm Envelope Custom size: 98.0 x 98.0 mm to 320.0x457.2mm <i>Printing Specifications</i> up to 22ppm (A4/A5/A5R/A6R) & up to 15ppm (A3) up to 20ppm (A4R) Print Resolution (dpi) 1200 x 600, 1200x1200 (half speed) <i>Copy Specifications</i> up to 22ppm (A4/A5/A5R/A6R) & up to 15ppm (A3) up to 20ppm (A4R) Copy Resolution dpi : 600x600 Multi Copies: up to 999 copies Magnification: Variable Zoom : 25% to 400% (1% increment) : Present reduction/enlargement: 25%, 50%, 61%, 70%, 81%, 86%, 100% (1:1), 115%, 122%, 141%, 200%, 400% <i>Scan Specifications</i> Standard : Colour Flatbed Scan Unit Document Feeder Paper Capacity (80gsm) Single Pass DADF-C1 : up to 200 sheets Scan Speed (ipm, BW/CL,A4) Single Pass DADF-C1: 1-sided scanning: 135/135 (300x300 dpi, send), 80/80 (600x600 dpi, copy) 2-sided scanning: 270/270 (300x300 dpi, send), 160/90 (600x600 dpi, copy) Scan Resolution (dpi) Scan for Copy: 600x600 Scan for Send: Push 600x600 (SMB/FTP/WebDAV/IFAX), Pull 600x600 Scan for Fax: 600x600 <i>Send Specification</i> Standard: Email/Internet FAX (SMTP), SMB3.0, FTP, WebDAV,Mailbox Send Resolution Push: up tp 600x600 Pull: up to 600x600	4	unit/s		
	See continuation next page.....				
		TOTAL			

NAME OF SUPPLIER _____
AMOUNT IN WORDS _____
AMOUNT IN FIGURES _____
SIGNATURE OF SUPPLIER _____



24GFB0001 - Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section

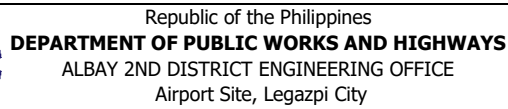
NAME OF SUPPLIER _____

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AMOUNT IN FIGURES _____

SIGNATURE OF SUPPLIER _____

12/13



24GFB0001 - Procurement of Various Laboratory Testing Apparatus/Equipment for Use in Material Testing of Quality Assurance Section

NAME OF SUPPLIER _____
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 AMOUNT IN FIGURES _____
 SIGNATURE OF SUPPLIER _____