


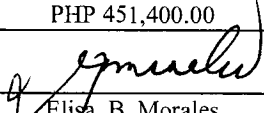
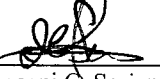
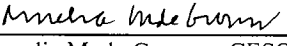
## PURCHASE REQUEST

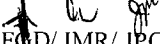
Entity Name: DEPARTMENT OF ENERGY

Fund Cluster: 01

Division/Office:		PR No. <b>01-0101-2021-07-0175</b>	Date: <b>08 July 2021</b>		
LATD/ERTLS		Responsibility Center Code: 09-001-00-00000-16-02			
Stock/ Property No.	Unit	Item Description	Quantity	Unit Cost (PhP)	Total Cost (PhP)
--	pair	Nitrile Coated Working Gloves	30	PHP 300.00	PHP 9,000.00
--	roll	THHN 3.5 mm2 AWG#12 stranded wire (150 meters per roll)	2	PHP 6,500.00	PHP 13,000.00
--	roll	THHN 2.0 mm2 AWG#14 stranded wire (150 meters per roll)	2	PHP 5,200.00	PHP 10,400.00
--	pair	Cut Resistance Gloves	30	PHP 1,200.00	PHP 36,000.00
--	pair	Heavy Duty Laundry Gloves	50	PHP 300.00	PHP 15,000.00
--	pack	Standard Towel (20 pieces per pack)	4	PHP 25,000.00	PHP 100,000.00
--	pack	Standard Pillowcase (10 pieces per pack)	5	PHP 17,500.00	PHP 87,500.00
--	pack	Standard Bed Sheet (10 pieces per pack)	3	PHP 41,500.00	PHP 124,500.00
--	piece	Cloth Duct Tape (50 mm x 50 m)	50	PHP 700.00	PHP 35,000.00
--	piece	Aluminum/Metallic Tape (50 mm x 50 m)	10	PHP 600.00	PHP 6,000.00
--	piece	Masking Tape (50 mm x 33 m)	30	PHP 500.00	PHP 15,000.00
		- - - Nothing follows - - -			
				Total:	PHP 451,400.00

**TITLE OF PROCUREMENT/PURPOSE:** Procurement of Laboratory Supplies for Various Testing Facilities of LATL for FY 2021 needed for the maintenance and operation and to be used during testing of samples submitted by clients.

<p><b>REQUESTED BY:</b></p> <div style="text-align: center;">               Jomar S. Landicho              Supvg SRS, AES-LATD  <small>(Signature as per DO No. 2017-06-0008, Please indicate Name and Position)</small> </div> <div style="text-align: center; margin-top: 10px;">             08 July 2021              Date         </div>	<p><b>FUNDING FOR CONTRACTED-OUT REPAIR/SERVICES/PROJECT ESTIMATED AMOUNT:</b> PHP 451,400.00</p> <p><b>ALLOCATED PROVIDED:</b></p> <div style="text-align: center;">               Elisa B. Morales              Chief, Budget Division         </div>
<p><b>RECOMMENDED BY:</b></p> <div style="text-align: center;">               Isagani C. Soriano              Chief SRS, LATD-ERTLS  <small>(Signature as per DO No. 2017-06-0008, Please indicate Name and Position)</small> </div> <div style="text-align: center; margin-top: 10px;">             08 July 2021              Date         </div>	<p><b>APPROVED BY:</b></p> <div style="text-align: center;">               Amelia M. de Guzman, CESO IV              Director, ERTLS  <small>(Signature as per DO No. 2017-06-0008, Please indicate Name and Position)</small> </div> <div style="text-align: center; margin-top: 10px;">             8 July 2021              Date         </div>

PPMD:  FGD/IMR/JPC/ASC

PMD Procurement Code

01-Goods: 02 Services: 03-Consulting Services: 04-Infrastructure:

**DEPARTMENT OF ENERGY**

Energy Center, Rizal Drive, Bonifacio Global City, Taguig City, Metro Manila

Quantity	Article	Approved Budget for Contract	
		Unit Cost	Total Cost
30 pairs	Nitrile Coated Working Gloves	300.00	9,000.00
2 rolls	THHN 3.5 mm <sup>2</sup> AWG#12 stranded wire	6,500.00	13,000.00
2 rolls	THHN 2.0 mm <sup>2</sup> AWG#14 stranded wire	5,200.00	10,400.00
30 pairs	Cut Resistance Gloves	1,200.00	36,000.00
50 pairs	Heavy Duty Laundry Gloves	300.00	15,000.00
80 pcs.	Standard Towel	25,000.00	100,000.00
50 pcs.	Standard Pillowcase	17,500.00	87,500.00
30 pcs.	Standard Bed sheet	41,500.00	124,500.00
50 pcs.	Cloth Duct Tape	700.00	35,000.00
10 pcs.	Aluminum/Metallic Tape	600.00	6,000.00
30 pcs.	Masking Tape	500.00	15,000.00
		<b>Total</b>	<b>451,400.00</b>

**TERMS OF REFERENCE**

**I. SCOPE OF WORK**

The successful contractor shall be responsible for the complete delivery of Laboratory Supplies for Various Testing Facilities of LATL for FY 2021.

**II. TECHNICAL SPECIFICATIONS**

**Laboratory Supplies for Calorimeter Test Facility**

- a. Nitrile Coated Working Gloves  
Material: Nitrile coated palm with elastic knit wrist  
Size: Large

Purpose: To be used by test engineer/technician for hand protection during testing set-up and operation.

**Laboratory Supplies for Gonio Photometer Test Facility**

- b. Thermoplastic High Heat-resistant Nylon coated (THHN) stranded wire  
Size: AWG #12, 3.5 mm<sup>2</sup>  
Volume: 150 meters per roll
- c. Thermoplastic High Heat-resistant Nylon coated (THHN) stranded wire  
Size: AWG #14, 2.0 mm<sup>2</sup>  
Volume: 150 meters per roll

Purpose: To be used by testing engineer/technician for wiring and re-wiring of test racks; for conversion from LFL test racks to Linear LED test racks.

d. Cut Resistance Gloves

Material: Nitrile foam coating, high level cut performance, abrasion, and heat resistant

Size: Large

Purpose: To be used by test engineer/technician for hand protection during testing set-up and operation.

**Laboratory Supplies for Clothes Washing Machine Test Facility**

e. Heavy Duty Laundry Gloves

Materials: Natural rubber, cotton lining

Size: Large

Purpose: To be used by test engineer/technician for washing base loads during testing of clothes washer.

f. Standard Towel

Material: Polyester cotton, single seam, lock stitch, distance of seam from edge is 4 mm, stitch length is 3 mm, all edges are double hemmed in 5 mm size. Pre-washed and normalized according to IEC 60456. For detailed specification see attached Annex C of PNS IEC 60456:2013.

Dimension: 1000 mm x 500 mm

g. Standard Pillow case

Material: Polyester cotton, single seam, lock stitch, stitch length is 3 mm size. Pre-washed and normalized according to IEC 60456. For detailed specification see attached Annex C of PNS IEC 60456:2013.

Dimension: 800 mm x 800 mm

h. Standard Bed sheet

Material: Polyester cotton, single seam, lock stitch, distance of seam from edge is 9 mm, stitch length is 3 mm. Pre-washed and normalized according to IEC 60456. For detailed specification see attached Annex C of PNS IEC 60456:2013.

Dimension: 2400 mm x 1600 mm

Purpose: Serve as standard base loads for clothes washer testing.

**Laboratory Supplies for Calorimeter, Refrigerator, Television, Clothes Washing Machine and Gonio Photometer Test Facility**

i. Cloth Duct, Aluminum/Metallic and Masking Tapes

- Cloth Duct Tape – 50 mm x 50 m, waterproof, strong adhesive
- Aluminum/Metallic Tape – 50 mm x 50 m, water resistant, strong adhesive
- Masking Tape – 50 mm x 33 m, strong adhesive



Purpose: To connect peripheral cables, and other materials needed during testing operation.

### III. TERMS AND CONDITIONS

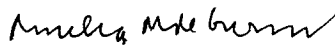
The following terms and conditions shall apply:

1. Per item basis.
2. Price quoted must be firm and irrevocable and not subject to any change whatsoever, even due to the increase of cost of raw materials/components and fluctuations in foreign rates and excise duties.
3. Bid price must be in Philippine currency and must include all costs attendant to the delivery of the laboratory supplies and materials to DOE-LATL such as brokerage fee, duties and taxes related to the purchase, including income tax and VAT in favor of the Philippine government.
4. One hundred percent (100 %) of contract price will be released by DOE within 30-45 days upon issuance of certificate of acceptance of the end-user.
5. Delivery of the supplies must be within 120 days upon the receipt of Purchase Order.
6. The successful bidder shall provide the following additional requirements:
  - a. Philgeps Registration
  - b. Updated Mayor's Permit
  - c. Omnibus Sworn Statement

Recommended by:

  
**Isagani C. Soriano**  
Chief, LATL 

Approved by:

  
**Amelia M. de Guzman, CESO IV**  
Director, ERTLS

## Annex C (normative)

### Specifications for base loads

#### C.1 Cotton base load

The cotton **base load** shall consist of sheets, pillowcases and towels conforming with the specifications given in Table C.1 (measured at  $(20 \pm 2) ^\circ\text{C}$ ,  $(65 \pm 5) \%$  relative humidity and certified by the supplier).

Table C.1 – Specification of the cotton base load items

Criteria for conditioned new items	Bed sheets	Pillowcases	Towels
Substrate	Long staple pure cotton		
Yarn	Ring spun		
<b>Yarn twist (T/m)</b>			
Warp	600 ± 20		610 ± 20
Weft	500 ± 15		490 ± 15
<b>Yarn Count (tex)</b>			
Warp	33 ± 1		36 ± 1
Weft	33 ± 1		97 ± 1
Weave	Plain weave linen 1/1		Huckaback
<b>Pick count (pick/cm)</b>			
Warp	24 ± 1		20 ± 1
Weft	24 ± 1		12 ± 1
<b>Mass per unit area (g/m<sup>2</sup>)</b>	185 ± 10		220 ± 10
<b>Dimensions (mm)</b>			
Length	2 400 ± 150	800 ± 50	1 000 ± 50
Width	1 600 ± 40	800 ± 20	500 ± 30
<b>Weight per piece (g)</b>	725 ± 15	240 ± 5	110 ± 3
Finish	Desizing, boiling off, singeing, bleaching, no filling or stiffening size		
<b>Water uptake (%)<sup>a</sup></b>	138 ± 10	138 ± 10	250 ± 15
<b>Shrinkage<sup>b,c</sup> warp in %</b>			
After 5 <sup>th</sup> test run as compared to new item	-5 ± 1	-7 ± 1	-16,5 ± 1
After 25 <sup>th</sup> test run as compared to after 5 <sup>th</sup> test run	-3 ± 1	-3 ± 1	-3 ± 1
<b>Shrinkage<sup>b,c</sup> weft in %</b>			
After 5 <sup>th</sup> test run as compared to new item	-5 ± 1	-7 ± 1	-11 ± 1
After 25 <sup>th</sup> test run as compared to after 5 <sup>th</sup> test run	-3 ± 1	-3 ± 1	-3 ± 1

Table C.1 (continued)

Description of preparation of seams and yarns	
<p><b>SHEETS:</b> Short edges (cut edges) are double hemmed, hem size 10 mm, the long edges (selvedges) are not hemmed. Sewing material is polyester cotton, single seam, lock stitch, distance of seam from edge is 9 mm, stitch length 3 mm.</p> <p><b>PILLOW CASES:</b> A piece of 80 cm × 160 cm is folded to 80 cm × 80 cm, the two edges (cut edges) next to the closed edge are lock stitched with a distance to the edge of 1 cm. The pillow case is then turned inside out and the open edge (selvedges) lock stitched 0,5 cm from the edge. Sewing material is polyester cotton, single seam, lock stitch, stitch length 3 mm.</p> <p><b>TOWELS:</b> All 4 edges are double hemmed, hem size is 5 mm. Sewing material is polyester cotton, single seam, lock stitch, distance of seam from edge is 4 mm, stitch length 3 mm.</p>	
a	<p>The procedure used (DIN 53923 – see Bibliography) is established for the determination of water absorption capacity of textiles with high water absorption capacity. Water absorption capacity is the amount of water that a textile fabric, conditioned at <math>(20 \pm 2) ^\circ\text{C}</math> / <math>(65 \pm 2) \%</math> relative humidity, takes up during storage in water of <math>20 ^\circ\text{C}</math> for 60 s. The sample with the conditioned mass, <math>m_c</math>, is fixed on a sieve of stainless steel and dipped into a flat dish with <math>20 ^\circ\text{C}</math> water. After 60 s the sample is taken out of the water, drop dried for 120 s and then weighed again (<math>m_{60}</math>). The water absorption capacity <math>wac</math> is <math>(m_{60} - m_c) \times 100 : m_c</math>. The data are measured after 25 <b>test runs</b> as specified in footnote <sup>b</sup>.</p>
b	<p>In order to qualify the suitability of the textiles for use to this document the manufacturer of the textiles should carry out <b>test runs</b> on samples from the production batch in the <b>reference machine</b>. The following wash <b>test runs</b> should be carried out in the <b>reference machine</b>:</p> <ul style="list-style-type: none"> <li>• <b>test runs</b> 1 to 5: pre-treatment according to 6.4.2;</li> <li>• <b>test runs</b> 6 to 25: perform <b>test runs</b> according to 8.2 in <b>reference machine</b> using the <math>60 ^\circ\text{C}</math> cotton reference <b>programme</b> (without prewash but including rinsing and spinning) but without any normalization between <b>test runs</b>.</li> </ul>
c	<p>Determination of shrinkage according to ISO 3759 after the washing process as defined in footnote <sup>b</sup>.</p>

COMPLIMENTARY COPY

## C.2 Synthetics/blends base load

Table C.2 – Specification of the synthetics/blends base load items

Criterion for conditioned new items	Men's shirt	Pillowcases
Substrate	(65 ± 3) % polyester (35 ± 3) % cotton	(65 ± 3) % polyester (35 ± 3) % cotton
Yarn	Ring Spun	Ring Spun
Yarn twist (T/m)		
Warp	450 ± 20	1 050 ± 50
Weft	450 ± 20	1 050 ± 50
Yarn count (tex)		
Warp	13 ± 1	150 ± 4
Weft	13 ± 1	150 ± 4
Weave	Plain 1/1	Plain 1/1
Pick count (pick/cm)		
Warp	43 ± 2	47 ± 2
Weft	30 ± 2	31 ± 2
Mass per unit area (g/m <sup>2</sup> )	105 ± 10	125 ± 10
Dimensions (mm)	German size 41	
Length		800 ± 50
Width		800 ± 20
Weight per piece (g)	205 ± 10	165 ± 10
Finish	Bleaching, mercerizing, sanforizing	Desizing, washing, bleaching, thermofixation
<p>MEN'S SHIRTS: Buttoned men's shirt, plastic buttons, no buttons/ holes on sleeves, simple collar, no interlining</p> <p>PILLOW CASES: A piece of 80 cm × 120 cm is folded to 80 cm × 80 cm, the two edges (cut edges) next to the closed edge are lock stitched with a distance to the edge of 1 cm. The pillow case is then turned inside out and the open edge (selvedges) lock stitched 0,5 cm from the edge. Sewing material is polyester cotton, single seam, lock stitch, stitch length 3 mm.</p> <p>In order to qualify the suitability of the textiles for use to this document the manufacturer of the textiles should carry out <b>test runs</b> on samples from the production batch in the <b>reference machine</b>.</p>		

## C.3 Polyester base load for wool programme

Knitted polyester textile

Mass (35 ± 3) g

Mass per unit area (200 ± 25) g/m<sup>2</sup>

Size (30 ± 3) cm × (30 ± 3) cm double layer sewn along all four edges.

The items shall be free of process oil prior to delivery.

NOTE In order to qualify the suitability of the textiles for use to this document the manufacturer of the textiles should carry out **test runs** on samples from the production batch in the **reference machine**.

**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

*[If a sole proprietorship:]* I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

*[If a partnership, corporation, cooperative, or joint venture:]* I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

*[If a partnership, corporation, cooperative, or joint venture:]* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

*[If a sole proprietorship:]* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical



Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a partnership or cooperative:]* None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*[If a corporation or joint venture:]* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*