



Hon. Pedro R. Pierluisi Urrutia
Gobernador

Lcda. Karla G. Mercado Rivera
Administradora y Principal Oficial de Compras

ENMIENDA NÚM. 3

SUBASTA FORMAL 23J-11930 PARA TRABAJOS DE PINTURAS EN VARIOS EDIFICIOS ADSCRITOS A FORTALEZA, OFICINA DEL GOBERNADOR DE PUERTO RICO

ASUNTO: VARIOS

Se notifica a los licitadores interesados en participar en la Subasta de referencia de la siguiente enmienda:

- I. Se adjunta **Tabla de Cotizar Enmendada II**, la cual tendrá que ser utilizada por los licitadores para presentar su oferta.
- II. Se adjunta el **"Technical Product Specification"**, el cual tendrán que considerar para presentar su oferta.

Todos los demás términos, condiciones y especificaciones permanecen sin alterar.


Lcda. Hilda M. Rivera Colón
Administradora Auxiliar
Área de Adquisiciones

Emitido hoy, 6 de julio de 2023
En San Juan, Puerto Rico

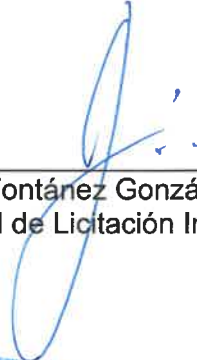

Joel Fontáñez González
Oficial de Licitación Interino





TABLA DE COTIZAR ENMENDADA 1 REV 6 julio 2023
SUBASTA FORMAL 23J-11930



PARA TRABAJOS DE PINTURA EN VARIOS EDIFICIOS ADSCRITOS A FORTALEZA. OFICINA DEL GOBERNADOR DE PUERTO RICO

PARTIDA	DESCRIPCIÓN	CANTIDAD	UNIDAD	PRECIO UNITARIO	PRECIO TOTAL	MARCA	% DE PREFERENCIA	TERMINO DE ENTREGA	GARANTÍA
1	Trabajos de Pintura en Edificio Real Audiencia	1	LS		\$ -				
2	Trabajos de Pintura en Edificio Operaciones de Campo	1	LS		\$ -				
3	Trabajos de Pintura en Edificio Casa de Huéspedes	1	LS		\$ -				
4	Trabajos de Pintura en Edificio Mansión Ejecutiva	1	LS		\$ -				
5	Trabajos de Pintura Pared Blanca	1	LS		\$ -				
6	Trabajos de Reparación de Superficie en Edificio Real Audiencia (Grietas-Concreto)	180	LF		\$ -				
7	Trabajos de Reparación de Superficie en Edificio Real Audiencia (Empañetado-Concreto)	150	SF		\$ -				
8	Trabajos de Reparación de Superficie en Edificio Operaciones de Campo (Grietas-Cal)	450	LF		\$ -				
9	Trabajos de Reparación de Superficie en Edificio Operaciones de Campo (Encalado-Cal)	150	SF		\$ -				
10	Trabajos de Reparación de Superficie en Edificio Casa de Huéspedes (Grietas-Cal)	165	LF		\$ -				
11	Trabajos de Reparación de Superficie en Edificio Casa de Huéspedes (Encalado-Cal)	150	SF		\$ -				
12	Trabajos de Reparación de Superficie en Edificio Mansión Ejecutiva (Grietas-Cal)	80	LF		\$ -				
13	Trabajos de Reparación de Superficie en Edificio Mansión Ejecutiva (Encalado-Cal)	225	SF		\$ -				
14	Trabajos de Reparación de Superficie Pared Blanca (Grietas-Concreto)	75	LF		\$ -				
15	Trabajos de Reparación de Superficie Pared Blanca (Empañetado-Concreto)	30	SF		\$ -				
16	Allowance	1	LS	\$ 15,000.00	\$ 15,000.00				
				GRAN TOTAL					
				TERMINO DE ENTREGA TOTAL					



TABLA DE COTIZAR ENMENDADA I REV 6 julio 2023
SUBASTA FORMAL 23-I-1930



PARA TRABAJOS DE PINTURA EN VARIOS EDIFICIOS ADSCRITOS A FORTALEZA, OFICINA DEL GOBERNADOR DE PUERTO RICO

PARTIDA	DESCRIPCIÓN	CANTIDAD	UNIDAD	PRECIO UNITARIO	PRECIO TOTAL	MARCA	% DE PREFERENCIA	TERMINO DE ENTREGA	GARANTÍA
PARTIDA	DESCRIPCIÓN	CANTIDAD	UNIDAD	PRECIO UNITARIO					
17	Aditiva: Trabajos de reparación de Superficie (Grietas-Cal)	1	LF						
18	Aditiva: Trabajos de Reparación de Superficie (Encalado-Cal)	1	SF						
19	Aditiva: Trabajos de reparación de Superficie (Grietas-Concreto)	1	LF						
20	Aditiva: Trabajos de Reparación de Superficie (Encalado-Concreto)	1	SF						
21	Deductiva: Trabajos de reparación de Superficie (Grietas-Cal)	1	LF						
22	Deductiva: Trabajos de Reparación de Superficie (Encalado-Cal)	1	SF						
23	Deductiva: Trabajos de reparación de Superficie (Grietas-Concreto)	1	LF						
24	Deductiva: Trabajos de Reparación de Superficie (Encalado-Concreto)	1	SF						

TECHNICAL PRODUCT SPECIFICATIONS

A. Natural Hydraulic Lime

1. Natural Hydraulic Lime 3.5 - Pure and Natural Hydraulic Lime, NHL 3.5 is a medium strength or “moderate” hydraulic lime. NHL 3.5 reaches its initial cure in about three days. Contains no additives.
2. Compressive strengths - 870 psi @ 24 months w/ Lime: Sand mix ratio of 1:2.5
3. Residue - @ 0.09mm: 6.5%
4. Available (free) Lime Ca(OH)_2 after slaking - 25%+
5. Whiteness index – 72
6. Density - Typical 40.6 lbs/ft³
7. Mortar Mix Ratio:

Days	Compressive Strength (PSI) 1:3	Elasticity Module (Mpa) 1:3
28	194	8070

B. Corrosion Inhibitor and Penetrating Sealer for Reinforced Concrete

1. Penetrates the concrete and mitigates active corrosion and/or delays the onset of corrosion.
2. Chemical Base - Alkyl alkoxy Silane
3. Appearance / Color – Clear
4. Solid Content – 99%
5. Flash Point – 104°F (40°C)
6. Chloride penetration (NCHRP 244) - @ 125 sq. ft./gal
7. Corrosion Data - Cracked Concrete Beam (ASTM G 109 modified)

- Application before cracking – Measurement after 2.5 years of ponding

	MacroCell Current in μA	Corrosion Reduction (%)
Untreated Steel	81.9	0%
Treated Steel	6.9	92%

- Application after cracking – Measurement after 2.5 years of ponding

	MacroCell Current in μA	Corrosion Reduction (%)
Untreated Steel	81.9	0%
Treated Steel	0.6	99%

- Application after cracking and before cracking after corrosion initiation – Measurement after 2.5 years of ponding

	MacroCell Current in μA	Corrosion Reduction (%)
Untreated Steel	81.9	0%
Treated Steel	10.0	87%

C. Bonding Primer and Reinforcement Corrosion Protection

- Compressive Strength, (ASTM C-109, 73 °F (23 °C), 50 % R.H.)

3 days	4,500 psi (31.0 MPa)
7 days	6,500 psi (44.8 MPa)
28 days	8,500 psi (58.6 MPa)

- Flexural Strength, (ASTM C-348, 73 °F (23 °C), 50 % R.H.)

28 days	1,250 psi (8.6 MPa)
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- Splitting Tensile Strength, (ASTM C-496, 73 °F (23 °C), 50 % R.H.)

28 days	600 psi (4.1 MPa)
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- Tensile Adhesion Strength, Bond of steel reinforcement on concrete (ASTM C-1583, 73 °F (23 °C), 50 % R.H.)

Bonding Agent	625 psi (4.3 MPa)
Epoxy Coated	508 psi (3.5 MPa)
Plain Reinforcement	573 psi (4.0 MPa)

- Slant Shear Strength, Bonding agent properties (14 days moist cure, plastic to hardened concrete), (ASTM C-882, 73 °F (23 °C), 50 % R.H.)

Wet on Wet	2,800 psi (19.3 MPa)
24 hr. open time	2,600 psi (17.9 MPa)

- Permeability to Water Vapor

Control	7.32×10^{-10} ft/sec
145 psi (10 bar)	8.92×10^{-15} ft/sec

- Diffusion Resistance to Water Vapor - μ H₂O ~100
- Permeability to CO₂ - μ CO₂ ~14,000

D. **Fiber-Reinforced Mortar Mix**

- Consists of a uniformly blended mixture of fine sand (C-144), masonry cement, or Portland Cement I (lime blend) and 0.50" long multifilament nylon fibers.
- Applicable Standards – Meets requirements of ASTM C1116, ACI 524 R-93, meets and exceeds ASTM Designation 387 and ASTM C-270.

Typical Compressive Strength at 28 days (ASTM C-109)	
Type N	750 psi
Type S	1,800 psi
Type M	2,500 psi

E. **Concrete and Masonry Primer-Sealer**

- An acrylic coating used to prepare and protect exterior concrete and masonry surfaces. Seals and adheres to concrete, brick, stucco, and plaster.
- V.O.C. (less exempt solvents): less than 50 grams per litre; 0.42 lbs per gallon. As per 40 CFR 59.406
- Volume Solids: 40 ± 2%
- Weight Solids: 55 ± 2%
- Vehicle Type: Acrylic
- Complies with: OTC, OTC Phase II, S.C.A.Q.M.D., CARB, CARB SCM 2007, CARB SCM 2020, LEED v4 & v4.1 Emissions, LEED v4 & v4.1 V.O.C., EPD-NSF Certified, MIR- Product Lens Certified, and MPI.
- Physical Properties:
 - a. Water Vapor Permeance (US): 25.79 perms (Method: ASTM D1653 grains/(hr ft² in Hg)
 - b. Flexibility: Pass (Method: ASTM D522, method B, 180° bend, 1/8-inch mandrel)
 - c. Alkali Resistance: Pass (Method: ASTM D1308)
 - d. Mildew Resistance: Pass (Method: ASTM D3273/D3274)
 - e. Efflorescence: None (Method: ASTM D7072-04)
 - f. Wind Driven Rain Test: Pass (Method: ASTM D6904-03)

F. **Exterior Latex Paint**

- Resistance to early dirt pick up, mildew resistant, this coating contains agents which inhibit the growth of mildew on the surface of this coating film.
- V.O.C. (less exempt solvents): less than 50 grams per litre; 0.42 lbs per gallon. As per 40 CFR 59.406
- Volume Solids: $37 \pm 2\%$
- Weight Solids: $53 \pm 2\%$
- Flash Point: N/A
- Vehicle Type: 100% Acrylic
- WVP Perms (US): 27.48 grains/ (hr ft² in Hg)
- Complies with: OTC, OTC Phase II, S.C.A.Q.M.D., CARB, CARB SCM 2007, CARB SCM 2020, LEED v4 & v4.1 V.O.C. and MPI.

G. **Mastic Epoxy Coating** (amine adduct/epoxy)

- High performance epoxy coating. Offers excellent protection in exposures including moderate to severe marine environments. Excellent resistance to fresh and salt water.
- Gloss: Semi-Gloss
- Physical Constants: Nonvolatile by weight is $90.9 \pm 1.0\%$ by volume is $81.2 \pm 1.0\%$
- V.O.C.(Calculated): 1.30 lbs./gal. (155 grams/liter)

H. **Polyurethane Enamel** (aliphatic acrylic polyurethane)

- High performance, high gloss, aliphatic acrylic polyurethane coating. Offers excellent protection in exposures including moderate to severe marine environments. Excellent resistance to fresh and salt water.
- Gloss: High-Gloss
- Physical Constants: Nonvolatile by weight is $58.0 \pm 1.0\%$ mixed by volume is $41.7 \pm 1.0\%$ mixed
- V.O.C.(Calculated): 4.11 lbs./gal. mixed (492 grams/liter mixed)

WOOD WORKS SPECS

MATERIALS

A. Wood

1. For restoration work the wood should be match to the existing.
2. All wood to be used must be termite free and kiln-dried before fabrication.

B. Adhesives

1. Contractor must submit, for OG's approval, the Titebond III exterior glue to be used.
2. Material to be accepted must be a top-grade adhesive capable of resisting heavy weathering.

GENERAL FABRICATION REQUIREMENTS

A. Joinery

Connecting joints between pieces shall be mortised and tenon, doweled, and glued under pressure using Titebond III exterior adhesive.

B. Sanding

1. Surface Preparation:

The contractor will clean and prepare all surfaces to be finished. The contractor will carefully remove all fungus, grease, loose paint and any storage substance from surfaces to be finished.

All exposed surfaces, including molded edges of stiles and rails, shall be sanded so that no cross scratches, knife or other manufacturing marks of any kind are visible in the normal light of the using space.

C. Stile and Rail Construction

1. All stiles and rails and similar principal members shall be solid lumber.
2. Any member exceeding 10" in width may be glued in the width.

D. Actual Size

1. Due to the fact that in this project, all openings exist, the Contractor is responsible for measuring each opening before fabricating the corresponding millwork.

INSTALLATION

Before start working, the contractor must thoroughly inspect the site and working conditions. He or she needs to identify where to store materials and products in a safe way and keep the area organized and clean. The contractors are responsible for measuring all the items that need to replace/restore. The unevenness of the existing walls and openings should be properly distributed in order to assure retaining the proportions of the wood members. The walls should not be damaged or alter in order to install the work.

Craftsmanship and materials should be top quality. All construction should comply with the Architectural Woodwork Institute quality standards and guide specifications. Details not included in the construction documents should satisfy accepted good industry practices. Any discrepancies in the construction documents, errors or omissions should be presented to OG for clarifications. The contractor must submit shop drawings and installation plans before starting any task.

The contractor should include transportation and supervision of materials, work force and equipment in order to do the work. The area must be kept clean at all times; employees should be identified with uniforms that are in good conditions.

The contractor is responsible to coordinate all the phases of the project in order to avoid conflict between them and assure an uninterrupted process.

The contractor is responsible for protecting the floors and walls when removing/installing the material. The historic wall should be treated with care and delicacy. Once the item is removed the contractor will repair the opening according to the specifications of this RFP before installing the new piece.

A. Finishing

The finishes should enhance the woodwork and offer protection to the wood from damage by moisture, contaminants and handling. A quality finish must offer acceptable performance and also meet aesthetic requirements. The finishing system provides a protective surface for the product. The contractor should control consistency, film thickness, environmental compliance, and curing/drying of the finished. Installation should be performed with a minimum amount of cuts, fitting, and adjustments to protect the finishes on site. The contractor shall finish all exposed wood as a result of on-site adjustments with the same steps and thickness of the shop finish.

The finisher/painter is responsible for examining and accepting the woodwork as supplied prior to the commencement of finishing. The finisher/painter for meeting or exceeding the control sample for surface performance characteristics (such as color, texture, and sheen), including proper surface preparation, shading, and blending of color, and other requirements as defined in this standard when so referenced.

All woodwork to be restored will be finished with the same material it currently has. Intermixing systems will likely cause quality and/or performance problems; they are usually not compatible with each other. In the event that woodwork to be restored has been retouched over time with different materials the finish will be removed completely with LANCO PAINT REMOVER SEMI-PASTE STRIP (PR-111), the surface will be thoroughly clean with MURPHY SOAP and water and sanded down to/with grit 120 before refinishing with KLIMA by ILVA system. All new woodwork will be sanded down to/with grit 120 and finished with KLIMA by ILVA system.

All woodwork will be properly sanded, primed and painted with ILVA PN410 impregnator, TDS 500 barriers, PN4B sanding primer and PN6B paint of the color specified by OG.

ADJUST AND CLEAN

1. Refinish or replace wood items damaged during installation, as directed by OG.
2. Protect installed wood items from damage or deterioration until acceptance of the work.