

COMBINED SYNOPSIS/SOLICITATION
RFQ SKU20016Q0027

DESCRIPTION

This is a COMBINED SYNOPSIS/SOLICITATION for commercial items prepared in accordance with the information in FAR Subpart 12.6, using Simplified Acquisition Procedures found at FAR Subpart 13.5 and as supplemented with additional information included in this notice. This announcement constitutes the only solicitation; quotes are being requested and a written solicitation will not be issued. This is not to be construed as a commitment by the Government. All information is to be submitted at no cost to the Government.

NOTICE TO OFFEROR(S)/SUPPLIER(S)

The Government reserves the right to cancel this solicitation, either before or after the closing date. In the event the Government cancels this solicitation, the Government has no obligation to reimburse an offeror for any costs. The place of performance for this RFQ is American Embassy Kuwait.

Solicitation SKU20016Q0027 is issued as a Request for Quotation to obtain services from a responsible contractor to provide services - PROJECT: Repair, Re plaster and re-paint two walls at Embassy's Compound area as per:

Attachment A - Statement of Work (SOW)

Attachment B - WORK METHOD STATEMENT - CEMENTITIOUS MATERIALS

Attachment C - POSHO - CONTRACTOR'S GENERAL RESPONSIBILITIES..

Attachment D - Painting Work statement

It is anticipated that the range in price of this project will be less than US\$ 25,000

A site visit is scheduled on August 28, 2016 at 11:30am Kuwait local time for prospective offerors to inspect the site/location. Refer to page 7 for instructions

Question Submission: Interested offerors must submit any questions concerning this solicitation by email to the above mentioned POCs no later than August 30, 2016 to enable the Embassy to respond. Questions and answers will be posted in Embassy Website: http://kuwait.usembassy.gov/contract_solicitations2.html

Proposal Submissions: Quotes are due by September 08, 2016 at 2:00 p.m. Kuwait local time.

All quotes must be clearly marked with the RFQ Number SKU20016Q0027, and include a separate price per each project listed. Contractors are responsible for verifying receipt of their quotes to the designated location before the specified due date and time.

Quote Submission:

1. By Email: Quotes, together with the signed amendment(s), if applicable, must be submitted electronically to: KuwaitProcurement@state.gov; and/or
2. Hard Copy: Quotes, together with the signed amendment(s), if applicable, must be submitted to American Embassy Kuwait, front gate.

OLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30</i>				1. REQUISITION NUMBER PR# 5621316	PAGE 1 OF 1 of 34	
2. CONTRACT NO.	3. AWARD/EFFECTIVE DATE	4. ORDER NUMBER	5. SOLICITATION NUMBER SKU20016Q0027	6. SOLICITATION ISSUE DATE Aug 18, 2016		
7. FOR SOLICITATION INFORMATION CALL: 			a. NAME Zeyad I. Qishawi	b. TELEPHONE NUMBER(No collect calls) 965-2259-1234	8. OFFER DUE DATE/ LOCAL TIME Kuwait Sept 08, 2016 @ 2:00pm	
9. ISSUED BY American Embassy Kuwait General Services Office Procurement Office		CODE	10. THIS ACQUISITION IS <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS <input type="checkbox"/> (WOSB) ELLIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM NAICS: <input type="checkbox"/> EDWOSB <input type="checkbox"/> 8 (A) SET ASIDE: ___ % FOR: SIZE STANDARD:			
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE	12. DISCOUNT TERMS	<input type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		13b. RATING		
15. DELIVER TO American Embassy Kuwait KuwaitProcurement@state.gov		CODE	16. ADMINISTERED BY AMERICAN EMBASSY, KUWAIT GENERAL SERVICES OFFICE MASJID AL AQSA STREET, BAYAN KUWAIT			
17a. CONTRACTOR/OFFERER TELEPHONE NO.	CODE	FACILITY CODE	18a. PAYMENT WILL BE MADE BY Budget and Fiscal Office American Embassy Kuwait			
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER			18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM			
19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES		21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Repair, Re plaster and re-paint two walls at Embassy's compound area. Side "A" Approximate size 30 m Long x 25m high Side "B" Approximate size 30 m Long x 25m high <i>(Use Reverse and/or Attach Additional Sheets as Necessary)</i>					
25. ACCOUNTING AND APPROPRIATION DATA				26. TOTAL AWARD AMOUNT (For Govt. Use Only)		
<input checked="" type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA				<input checked="" type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED		
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA				<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED		
<input checked="" type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN <u>1</u> COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.			<input type="checkbox"/> 29. AWARD OF CONTRACT: REF. _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:			
30a. SIGNATURE OF OFFEROR/CONTRACTOR			31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)			
30b. NAME AND TITLE OF SIGNER (Type or print)	30c. DATE SIGNED	31b. NAME OF CONTRACTING OFFICER (Type or print)		31c. DATE SIGNED		

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT

32a. QUANTITY IN COLUMN 21 HAS BEEN

RECEIVED INSPECTED ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	--

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NO.	39. S/R VOUCHER NO.	40. PAID BY
---------------------	---------------------	-------------

41.a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY (<i>Print</i>)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT (<i>Location</i>)
		42c. DATE REC'D (<i>YY/MM/DD</i>) 42d. TOTAL CONTAINERS

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Attachment C - POSHO - CONTRACTOR'S GENERAL RESPONSIBILITIES..

Attachment D - Painting Work statement

SECTION I THE SCHEDULE

1. Project:

Repair, Re plaster and re-paint two walls at Embassy's Compound area.

- Side "A" Approximate size 30 m Long x 25m High
- Side "B" Approximate size 30 m Long x 25m High

2. Contract Type:

The Government intends to award a firm fixed-price commercial items purchase order based on the lowest priced, technically acceptable offer which confirms to the solicitation.

3. Statement of Work (SOW):

See Attachment "A".

4. Place of Delivery and Installation

American Embassy, Masjid Al Aqsa Street, Bayan, Kuwait

5. Safety Instructions

See Attachment "B".

6. Payment Instructions

Invoice Payment: Payment will be made via Electronic Fund Transfer (EFT) in accordance with Federal Acquisition Regulation FAR 32.9 "Prompt Payment".

To avoid possible delay in payment, please ensure the invoice:

- a) Is correctly addressed;
- b) Reference the correct solicitation number (see block # 5 on Form 1449);
- c) Provide complete bank details

7. Warranty

As indicated in the Scope of Work.

SECTION II CLAUSES

This This Request for Quotation incorporates the following clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <https://www.acquisition.gov/far>

DOSAR clauses may be accessed at: <http://www.statebuy.state.gov/dosar/dosartoc.htm>

FAR 52.212-1	Instructions of Offerors-Commercial Items;
FAR 52.212-2	Evaluation-Commercial Items filled in as follows: "price";
FAR 52.212-3	Offeror Representations and Certifications-Commercial Items (INCLUDE A COMPLETED COPY WITH QUOTE OR COMPLETE ONLINE AT https://www.sam.gov/ ;
FAR 52.212-4	Contract Terms and Conditions-Commercial Items;
FAR 52.212-5	Contract Terms and Conditions Required to Implement Statutes or Executive Orders-Commercial Items;
FAR 52.222-3,	Convict Labor (June 2003) (E.O. 11755).
FAR 52.222-50,	Combating Trafficking in Persons
FAR 52.223-18,	Encouraging Contractor Policies to Ban Text Messaging while Driving (Aug 2011) (E.O. 13513).
FAR 52.225-13,	Restrictions on Certain Foreign Purchases (Jun 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).
FAR 52.232-29,	Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 4505), 10 U.S.C. 2307(f)).
FAR 52.232-33	Payment by Electronic Funds Transfer - System for award management.
FAR 52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JULY 2013)
FAR 52.228-3	Workers' Compensation Insurance (Defense Base Act) (Jul 2014)
FAR 52.228-4	Workers' Compensation and War-Hazard Insurance Overseas. (April 1984)
FAR 52.228-5	Insurance—Work on a Government Installation
FAR 52.236-27	SITE VISIT
DOSAR 652.204-70	DEPARTMENT OF STATE PERSONAL IDENTIFICATION CARD ISSUANCE (MAY 2011)
DOSAR 652.228-71	WORKER'S COMPENSATION INSURANCE (DEFENSE BASE ACT) SERVICES (FEB 2015)
DOSAR 652.229-71	PERSONAL PROPERTY DISPOSITION AT POSTS ABROAD (AUG 1999)
DOSAR 652.243-70	NOTICES (AUG 1999)
DOSAR 652.232-70	PAYMENT SCHEDULE AND INVOICE SUBMISSION (FIXED-PRICE) (AUG 1999)
DOSAR 652.242-73	AUTHORIZATION AND PERFORMANCE (AUG 1999)
FAR 52.243-5	Changes and Changed Conditions. (April 1984)

C. 52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed. (Due to security checks, all participating personnel should arrive early for the site visit).

(b) A site visit has been scheduled for August 28, 2016 at 11:30am.

(c) Participants will meet at the U.S. Embassy, Bayan, Kuwait, front gate reception area.

Note: All companies interested to participate in the site visit, should send and meet the following requirements NO later than August 24, 2016. All documents received will be screened and any request for the site visit that does not meet these requirements won't be granted access.

- Maximum two (2) persons per company.
- Proof of work/residence permit (passport copy and/or civil ID copy)
- NO access will be granted for participants that have Article/title 20 (domestic Helper), Article/title 22 (dependents), or visit visa.
- Access will be granted to only those who have a valid work residence permit Article/title 18 and company owner/share holder.

Offerors should contact/send all details to the following to make appropriate arrangements.

James Pinto – Purchasing Agent – email: PintoJG@state.gov

Norbert Dsouza – Purchasing Agent – email: DsouzaHN@state.gov

Tel: 2259-1214/1215, Fax: 2259-1938

D. MAGNITUDE OF CONSTRUCTION PROJECT

It is anticipated that the range in price of this contract will be less than US\$ 25,000

652.242-70 CONTRACTING OFFICER'S REPRESENTATIVE (COR) (AUG 1999)

(a) The Contracting Officer may designate in writing one or more Government employees, by name or position title, to take action for the Contracting Officer under this contract. Each designee shall be identified as a Contracting Officer's Representative (COR). Such designation(s) shall specify the scope and limitations of the authority so delegated; provided, that the designee shall not change the terms or conditions of the contract, unless the COR is a warranted Contracting Officer and this authority is delegated in the designation.

(b) The COR for this contract is the **Facilities Manager**.

652.242-73 AUTHORIZATION AND PERFORMANCE (AUG 1999)

(a) The Contractor warrants the following:

(1) That is has obtained authorization to operate and do business in the country or countries in which this contract will be performed;

(2) That is has obtained all necessary licenses and permits required to perform this contract; and,

(3) That it shall comply fully with all laws, decrees, labor standards, and regulations of said country or countries during the performance of this contract.

(b) If the party actually performing the work will be a subcontractor or joint venture partner, then such subcontractor or joint venture partner agrees to the requirements of paragraph (a) of this clause.

SECTION III PROVISIONS

Clause	Title
52.204-6	Data Universal Numbering System Number (Jul 2013)
52.204-7	System for Award Management (Jul 2013)
52.214-34	Submission of Offers in the English Language (Apr 1991)
52.225-25	Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certifications (Oct 2015)

652.228-70 Defense Base Act - Covered Contractor Employees.

As prescribed in 628.309-70(a), insert the following provision:

DEFENSE BASE ACT - COVERED CONTRACTOR EMPLOYEES (FEB 2015)

(a) Bidders/offerors shall indicate below whether or not any of the following categories of employees will be employed on the resultant contract, and, if so, the number of such employees:

Category	Yes/No	Number
(1) United States citizens or residents		
(2) Individuals hired in the United States, regardless of citizenship		
(3) Local nationals or third country nationals where contract performance takes place in a country where there are no local worker's compensation laws		Local Nationals: Third Country Nationals:
(4) Local nationals or third country nationals where performance takes place in a country where there are local worker's compensation laws		Local Nationals: Third Country Nationals:

(b) The contracting officer has determined that for performance in the country of Kuwait -

Worker's compensation laws exist that will cover local nationals and third country nationals.

Worker's compensation laws do not exist that will cover local nationals and third country nationals.

(c) If the bidder/offeror has indicated "yes" in block (a)(4) of this provision, the bidder/offeror shall not purchase Defense Base Act insurance for those employees. However, the bidder/offeror shall assume liability toward the employees and their beneficiaries for war-hazard injury, death, capture, or detention, in accordance with the clause at FAR 52.228-4.

(End of provision)

652.228-71 Worker's Compensation Insurance (Defense Base Act) - Services.

As prescribed in 628.309-70(b), insert the following clause:

WORKER'S COMPENSATION INSURANCE (DEFENSE BASE ACT) - SERVICES (FEB 2015)

(a) This clause supplements FAR 52.228-3. For the purposes of this clause, "covered contractor employees" includes the following individuals:

- (1) United States citizens or residents;
- (2) Individuals hired in the United States or its possessions, regardless of citizenship; and
- (3) Local nationals and third country nationals where contract performance takes place in a country where there are no local workers compensation laws.

(b) The Contractor shall procure Defense Base Act (DBA) insurance directly from a Department of Labor (DOL) approved insurance provider. Approved providers can be found at the DOL website at <http://www.dol.gov/owcp/dlhwc/lscarrier.htm>.

(c)(1) Section 16 of the State Basic Authorities Act (22 U.S.C. 2680a), as amended, provides that the Defense Base Act shall not apply with respect to such contracts as the Secretary of State determines are contracts with persons employed to perform work for the Department of State on an intermittent basis for not more than 90 days in a calendar year. "Persons" includes individuals hired by companies under contract with the Department. The Procurement Executive has the authority to issue the waivers for Contractor employees who work on an intermittent or short-term basis.

(2) The Contractor shall submit waiver requests to the contracting officer. The request shall contain the following information:

(i) Contract number;

(ii) Name of Contractor;

(iii) Brief description of the services to be provided under the contract and country of performance;

(iv) Name and position title of individual(s);

(v) Nationality of individual(s) (must be U.S. citizen or U.S. resident);

(vi) Dates (or timeframe) of performance at the overseas location; and,

(vii) Evidence of alternative worker's compensation coverage for these employees (e.g., evidence that the State worker's compensation program covers workers on short-term foreign assignments).

(3) The contracting officer shall provide to the Contractor the original of the approved or disapproved document and maintain a copy in the contract file.

(End of clause)

The Government intends to award a Firm Fixed Price Commercial Item purchase order to the contractor who submits 'lowest priced, technically acceptable' offer resulting from this solicitation, and who is determined to be a responsible contractor within the meaning of FAR Part 9, paragraph 9.104

Interested offerors are requested to submit the following Volume(s) with their proposal/quote on or before date specified for receipt.

Volume	Title	Number of Copies
I	Standard Form 1449 signed and completed (Box 17a, 24, 30a, 30b, and 30c)	1
II - Introduction	<ul style="list-style-type: none"> - Contractor Name - Name, telephone numbers and e-mail address of person(s) to be contacted for clarification or questions to the quote - Dun & Bradstreet (DUNS) Number. - Vendors must be registered in the System for Award Management (SAM) to be eligible for award for amounts exceeding US\$25,000 - Provision 52.212-3 Offeror Representations and Certifications - Commercial Items applies to this solicitation. The contractor shall return a complete copy of the Offeror Representations and Certifications with their quotation; Quotes received without the completed copy of the provision at FAR 52.212-3 or completed SAM representation may be removed from consideration. 	1
III – Technical	<ul style="list-style-type: none"> - Interested offerors are requested to provide Performance schedule in the form of a "bar chart" indicating when the various portions of the work will be commenced and completed within the required schedule. This bar chart shall be in sufficient detail to clearly show each segregable portion of work and its planned commencement and completion date. - Requirements as stated as per attachment A (Scope of Work) and attachment B (POSHO Office – Contractor’s General Responsibilities for Construction Projects). - Products samples and/or specifications if requested in the SOW - Bill of Quantity & Bill of Materials if requested in the SOW. - Schedule in bar chart or other format - Company profile showing they are a construction/renovation company with a minimum of 10 years of experience in Kuwait - Technical scope of work and work plan on how the contractor sees executing this project, including a discussion of the means of execution (scaffolding, lifts, etc.), the work process for prep, patching, priming, texture and painting, and window/coping cap painting. Must be consistent with the scope of work. - Verification of products to be used including cut sheets or list of the crack 	1

	<p>filler, primer, texture and final paint coats, all patching material and caulk. Must be per SOW/Work statement.</p> <ul style="list-style-type: none"> - Verification that all scaffolding will be done per the US Army Corp of Engineers Safety and Health Requirements EM 385-1-1 guide. -Verification that products are as listed in SOW, or providing cutsheets of major products if not specifically listed. - Experience/Past performance - Provide a list of contracts previously performed over the past 10 years and points of contact with phone numbers for the same or similar type projects/works. Provide the following information for each contract and subcontract <ul style="list-style-type: none"> (1) Customer's name, address, and telephone numbers of customer's lead contract and technical personnel; (2) Contract number and type; (3) Date of the contract award place(s) of performance, and completion dates; Contract dollar value; (4) Brief description of the work, including responsibilities; and (5) Any litigation currently in process or occurring within last 5 years - Warranty period. 	
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IV. - Price	Price	1
Side "A" Approximate size 30 m Long x 25m High Back		
Side "B" Approximate size 30 m Long x 25m High		
GRAND TOTAL PRICE		

Quote submission method:

1. Submit the complete quotation by email to: KuwaitProcurement@state.gov , and/or
2. (hand-delivered) to the address indicated below.

U.S. Embassy
General Services Officer – Procurement Office (RFQ # SKU20016Q0027)
Masjid Al Aqsa Street, Bayan
Kuwait. Tel: 2259-1215

The Offeror/Quoter shall identify and explain/justify any deviations, exceptions, or conditional assumptions taken with respect to any of the instructions or requirements of this request for quotation in the appropriate volume of the offer.

SECTION IV EVALUATION FACTORS

52.212-2 -- Evaluation -- Commercial Items (Oct 2014)

The Government will award a contract resulting from this solicitation to the responsible offeror whose quote conforming to the solicitation will be most advantageous to the Government, price and other factors considered.

The Government will determine acceptability by assessing the offeror's compliance with the terms of the RFQ. The Government will determine responsibility by analyzing whether the apparent successful quoter complies with the requirements of FAR 9.1, including:

Factor 1: Technical Capability

- Provide a brief description of how you plan to perform the work listed in the performance work statement
- Provide Schedule/Timeline for this project
- Experience/Past performance - Provide a list of contracts previously performed and points of contact with phone numbers
- Ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;
- Satisfactory record of integrity and business ethics;
- Have necessary qualified/certified personnel equipment and financial resources available to perform the work.
- Meet all local insurance requirements for all the personnel.
- All personnel/workers are under company's direct-hire sponsorship plan.
- Must have a valid DUNS number
- Must have active SAM registration to be eligible for award if amount exceeds US\$25,000. If SAM is not active, the offer could be deemed unacceptable and the Contracting Officer will select the next lowest acceptable bidder with active SAM, and so on.

Factor 2: Price - Prices will be evaluated for reasonableness.

Award will be made to the quoter submitting the lowest priced technically acceptable quote.

A written notice of award or acceptance of an offer mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

(End of Provision)

Attachment "A"
STATEMENT OF WORK (SOW)

Repair and Repaint Chancery Facade:

1.0 INTRODUCTION

- 1.1 The U.S. American Embassy in Kuwait has a requirement to obtain the Services of a Contractor to repair, re plaster and re-paint two walls at embassy's compound area. The contractor is required to visit the location and submit the quotation accordingly.

2.0 GENERAL REQUIREMENTS

- 2.1 The work shall be executed in a diligent manner in accordance with a negotiated firm fixed price and performance period. The period of performance for the project shall be 30

working days (TBD). Work shall be performed during regular office hours. The Contractor shall not have access to the building interior except with permission by the Embassy.

- 2.2 The Contractor shall be required to prepare his own Bill Of Quantity (BOQ) from the Site Visit and provide Dimensions of the elements at the area indicating, for example rates in Sqm or linier meter, along with a quality control schedules. These documents shall provide the necessary interfaces, coordination, and communication among the Embassy and Contractor for the delivery of the completed project.

3.0 SCOPE OF WORK:

- 3.1 The Contractor shall be required to prepare a price and indicate the Bill of Materials [BOM] and all product data of all materials to be used on the project. The BOM's shall list the materials in sufficient detail and specifications, so that this document can be used by the Embassy to approve the use of all materials along with presented samples.

3.2 Logistics:

- Staging/storage areas available on grounds (Limited Space availability).
- Contractor to provide all Materials, skilled labor and Equipment necessary to complete the project.

3.3 Materials and Equipment:

All Materials and equipment required for the satisfactory completion of the project shall be considered to be included and accounted for by the contractor.

3.4 Labor:

All Labor required for the satisfactory completion of the project shall be considered to be included and accounted for by the contractor. Contractor shall ensure to supply skilled and professional labors to accomplish the project.

3.5 General Scope of Repairing, Plastering and Repainting facades.

The general work required is outlined below and is not limited to the following:

- Prepare, repair, plaster and repaint two wall facades at the embassy compound. Approximate sizes are:
 - Side “A” Approximate size 30 m Long x 25m High
 - Side “B” Approximate size 30 m Long x 25m High
 - Separate “penthouse” is not included in the scope of work
 - Work to be from the ground to the underside of the metal coping cap
 - Work includes removing old caulk, re-caulking, preparing and repainting window frames.
- Work to be consistent with the attached documents “ section 09910 Painting” and “Work Method Statement – Cementitious Materials”

- Execution must be done in a manner to ensure a smooth, monolithic consistent appearance of the entire wall and wall paint texture. No cold joints, “construction joints” or visible patch locations are allowed
- Scaffolding/Mean of Execution:
 - Provide skilled labors, all necessary support equipment and materials to erect scaffolding or other means of execution..
 - Contractor is responsible to provide scaffolding or other means of erection/execution. Scaffolding or means of erection must be consistent with the US Army Corp of Engineers Safety and Health Requirements Manual EM 385-1-1.
 - Scaffolding must have a minimum ½” plywood barricade from ground level to 10’ high around the entire base of the scaffold to prevent access and scaling off hours. All entrances to the scaffold must be lockable. Scaffolding must be un-accessible or scalable off-hours.
 - Use drop clothes to prevent rock barrier and grass from becoming soiled.
- Wall preparation includes removing all loose, hollow or disconnecting paint and cementitious plaster using mechanical means. Remove back as far as necessary until no longer loose or hollow sounding. In addition, all preparation necessary per the attached specs and work method statement.
- Wall repair/patching/plastering. Repair and re-plaster all locations where, due to surface prep or failing materials, the exterior coat of paint and/or plaster has been removed and the bare substrate is visible. Plastering must occur to the extent that the final product of the wall is uniform in its texture and no difference can be seen between patched locations and non-patched locations. It is the contractor’s responsibility to determine that extent of plastering that needs to occur to provide this level of finish.
- Apply crack filler, primer, texture paint and 2 coats anti-carbonation protection paint per the attached work method statement. Finish must be uniform in texture and color, with no visible construction joints or patch locations, on the finished field. Finished locations will be viewed from approximately 5 meters away for uniformity in texture and color.
- Windows: prep all window frames, remove all failing caulk, re-caulk all window frames and repaint with a minimum of 2 coats.
- Coping cap, remove and re-install as necessary to ensure a uniform finish. Prepare and Repaint coping cap. Inspect wood backer for condition and report.
- Samples: Per attached specification, field samples of the complete preparation and finish system are required prior to full execution. This includes a roughly 5x5 meter area of surface prep, primer, patching and texture and finish paint.

- Paint – per attached cementitious materials list, needs to be Hemple crack filler, alkali resistant primer (1 coat), texture paint (to match existing) and two coats anti carbonation protection paint. Color to match existing. All paint information must be submitted and approved in advance.
- Warranty:
 - 1 year warranty on general workmanship and appearance.
 - 2 year warranty on all patch locations.
- Anything else not mentioned above but necessary to ensure a satisfactory completion of the work and in line with on site instructions received from the Embassy / CO / POSHO/authorized representatives.

3.6 Cleaning:

Clean area of work and restore all items to their existing conditions at the end of each day as long as they do not affect the next day progress. The work site shall always be kept clean and clear of obstructions as the surrounding area shall be in use and the work should pose the least impact upon the general day to day use of the property.

4 CONTRACT ADMINISTRATION:

- 4.1 The Embassy does not make representations or warranties of whatsoever kind or nature, either expressed or implied, as to the quality, level of completion, accuracy, extent of compliance with the standards, codes and requirements described or referred to in this SOW, or the extent of coordination between or among the documents provided to the Contractor.
- 4.2 The Embassy has the right to inspect and test all services called for by the contract, to the extent practicable at all times and places during the term of the contract. The COR/FAC/POSHO Office will perform quality assurance inspections [QAI] and tests during installation to confirm the work is installed according to the SOW.

5 RESPONSIBILITY OF THE CONTRACTOR:

- 5.1 The Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all construction and other services furnished under this contract. Prior to commencement of project, the Contractor will ensure all personnel hired for this project are formally trained and have the appropriate level of skills to perform the work required to meet acceptable industry standards. The Contractor shall, without additional compensation, correct or revise any errors or deficiencies in provided services to the satisfaction of the Embassy & Facility Management (FAC).
- 5.2 The Contractor shall identify a Project Site Manager who shall be responsible for the

overall management of the project and shall represent the Contractor on the site during construction. The Project Site Manager shall speak English.

- 5.3 The Contractor is responsible for safety and shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety and similar matters. The Contractor shall promptly report all accidents resulting in lost time, disabling, or fatal injuries to the Embassy.
- 5.4 The Contractor shall be and remain liable to the Embassy in accordance with applicable law for all damages to the Embassy caused by the Contractor's negligent performance of any of the services furnished under this SOW.

6.0 CONSTRUCTION REQUIREMENTS

- 6.1 The Contractor shall be responsible for all required materials, equipment and personnel to manage, administer, and supervise the project. All workmanship shall be of good quality and performed in a skillful manner as determined by the Embassy.
- 6.2 All materials incorporated into the project shall be new. The Contractor shall transport and safeguard all materials and equipment required for construction.
- 6.3 The Contractor shall at all times keep the work area free from accumulation of waste materials. Upon completing construction, the Contractor shall remove all temporary facilities and leave the project site in a clean and orderly condition acceptable to the Embassy. All the construction debris, trash, materials if any shall be disposed of in accordance with the local government regulations.

7.0 DELIVERABLE SCHEDULE

- 7.1 The Contractor shall commence work under this contract promptly, execute the work diligently, and achieve final completion including final cleanup and reinstatement disturbed structure/landscaping on the premises within the period specified.
- 7.2 Milestones:

Pre-construction Submittals	Within 2 days of Award
Embassy Review	1/2 days
Construction Begins	Immediately after FAC Approval
Final Cleanup Begins	3 days prior to Completion
Construction Completion	30 working days (TBD)

8.0 SECURITY

- 8.1 This is a non-classified project. The work to be performed under this contract requires that the Contractor identifies all employees, sub-contractors and vehicles that shall be

used during the project to ensure that their named employees and the vehicles may enter the embassy compound. The list of employees and vehicles shall be submitted in advance as prescribed clause 9. Maximum amount of workers at a time will be 5, unless otherwise arranged with the COR.

9. GENERAL INFORMAIION

All work will be done during working days, Sunday to Thursday, 0830-1630, except as advised by the COR/POSHO or his authorized representatives. Some areas must be done during weekend in coordination with Facility Manager/POSHO or his authorized representatives. Work outside these hours and times will be done only with approval of the Facility Manager/POSHO or his authorized representatives. List of or workers, vehicles, equipment involved in the construction must be submitted two weeks prior to starting the project makes the necessary access pass.

Work will be done in an efficient and professional manner, using only top quality tools and materials. All work, equipment, materials, safety procedures followed by workers shall be inspected by the COR/POSHO or his authorized representatives.

10. SAFETY

Considering the location is an open space, all required safety procedures to be followed. Please refer the safety documents attached with the solicitation document for more information. All workers must wear appropriate safety personal protective equipment to include safety shoes, safety, glasses, safety masks, head protection, body harness etc. Workers without appropriate safety gears will not be permitted to work at the embassy. Keep the work-site secured by barricading, keep the site clean during construction, and clean-up all debris and trash at the end of each workday. The contractor shall never leave power equipment unattended without disconnecting them from their power source. Tools and materials shall be inspected by the COR/POSHO or his/her authorized representatives and they are stored in a location designated by the COR/POSHO.

11. INSPECTION & ACCEPTANCE

The project and services being performed and materials/supplies used to accomplish the project will be inspected by the COR/POSHO or his authorized representatives, to determine that all the work is carried out in a satisfactory manner and that all the materials used to complete the project are acceptable quality and standard. The contractor shall be responsible to immediately remedy any unacceptable work or conditions within the scope of work of this project

END OF STATEMENT OF WORK

Attachment B

WORK METHOD STATEMENT - CEMENTITIOUS MATERIALS

Applicable for Cementitious Materials

- Concrete unit masonry with plaster
- Cement board installations

a. **General:** Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.

b. **Cleaning:** Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove oil and grease before cleaning. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

c. **Surface Preparation:** Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

i. Provide barrier coats over incompatible primers or remove and reprime.

ii. **Cementitious Materials:** Prepare concrete, concrete unit masonry and cement plaster surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.

d. **Material Preparation:** Mix and prepare paint materials according to manufacturer's written instructions.

i. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.

ii. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.

iii. Use only thinners approved by paint manufacturer and only within recommended limits.

e. **Application:** Please follow the below set of schedule of paint application

i. Supply & Apply **Hempel Crack Filler 383ME** for filling all cracks

ii. Supply & Apply **Hempel Alkali Resistant Primer 282ME**

iii. Supply & Apply **Hempel Texture Paint 3890** (to match existing texture)

iv. Supply & Apply two coats **Hempel Anti Carbonation protection paints 48600**

Attachment C

U.S. EMBASSY-KUWAIT – FACILITIES MANAGEMENT-POSHO OFFICE
CONTRACTOR’S GENERAL RESPONSIBILITIES FOR POST MANAGED
CONSTRUCTION PROJECTS

Contractors must demonstrate understanding of their responsibilities under Post Managed Construction Project safety program by addressing hazards in pre-planning processes and meetings.

Prior to starting a project, each contractor is required to review the work site and identify hazards that may occur while performing the job.

Prior to starting a project, the contractor shall contact Contracting Officer or the Post Occupational Safety & Health Officer (OSHA), to ensure they have received pertinent information for the project including requirements for permits, floor plans, utility information, asbestos, lead based paint, and other hazardous materials.

Contractors must provide their employees with a safe and healthful condition of employment.

Contractors are expected to provide a "competent person" to implement Site health and safety plan and to oversee its compliance. A competent person is an individual who, by way of training and/or experience, is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation, is designated by the employer, and has authority to take appropriate actions.

The Contractor shall be responsible for the removal and/or disposal of hazardous waste generated from the project. Hazardous waste generated from the project must be removed and disposed of in accordance with the Department's Hazardous Waste Management Policy as well as local rules and regulations.

The contractor shall ensure proper safety, health and environmental requirements as applicable to their project are followed.

The contractor shall ensure individuals working at the site are trained and are aware of potential hazards. Contractors shall ensure that these individuals are provided with proper safety equipment to prevent accidental injury in accordance with the requirements of the contract.

Contractors will report accidents/mishaps to OSHA, or his authorized representative.

The contractor is required to address the following safety procedures (all or as applicable); more information on each item as necessary can be obtained from the OSHA Office; when the project is awarded; but prior to the commencement of project:

- PERSONAL PROTECTIVE EQUIPMENT
- FALL PROTECTION
- BARRICADING & FENCING
- ELECTRICITY SAFETY
- LOCKOUT / TAGOUT

- HAND AND POWER TOOL SAFETY
- SCAFFOLDING
- TRENCHING & EXCAVATIONS
- CONFINED SPACE ENTRY
- POWERED INDUSTRIAL LIFT TRUCKS
- NOISE
- HAZARDOUS COMMUNICATIONS & WASTE MANAGEMENT
- HOT WORK PERMIT
- HANDLING OF FUEL BURNING, REFRIGERANTS & OIL CONTAINING EQUIPMENT
- LEAD BASED PAINT
- FLUORESCENT LIGHT BALLASTS
- INDOOR ENVIRONMENTAL QUALITY
- FIRE PROTECTION SYSTEM

Attachment D

PAINTING WORK DOC.

PART 1 - GENERAL

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions to be applied to this section
- B. Provide labor, materials, equipment and services and perform operation required to complete all field painting and finishing of all items of architectural works, interior and exterior which require paint finish for protection and/or appearance in accordance with the requirements of the Contract Documents.
- C. Painting work shall be executed by an approved specialist contractor.

1.02 SECTION INCLUDES

- A. This Section includes surface preparation and field painting of exposed interior and exterior items and surfaces.
- B. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces.
 - 1. Painting includes field painting of exposed bare and covered pipes and ducts (including color coding), hangers, exposed steel and iron supports, and surfaces of mechanical and electrical equipment that do not have a factory-applied final finish.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels. Do not paint over UL or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.
- D. Finish type (matte, eggshell, semi-gloss etc) shall be as defined as defined in ASTM D16.

1.03 SUBMITTALS

- A. Product Data: For each paint system indicated. Include block fillers and primers.
- B. Samples for Verification: For each color and material to be applied, with texture to simulate actual conditions, on representative Samples of the actual substrate.
 - 1. Provide stepped Samples, defining each separate coat, including block fillers and primers. Use representative colors when preparing Samples for review. Resubmit until required sheen, color, and texture are achieved.
 - 2. Provide a list of materials and applications for each coat of each Sample. Label each Sample for location and application.
 - a. Concrete: Provide two 200x200mm samples for each color and finish.

- b. Concrete Unit Masonry: 200x200mm samples of masonry, with mortar joint in the center, for each finish and color.
 - c. Plastered Finish: 200 x 200 sample for each color and finish.
 - d. Natural Wood: 100x200mm samples of natural wood finish on representative surfaces.
 - e. Painted Wood: 200x200mm samples for each color and material.
 - f. Ferrous Metal: Two 100mm square samples of flat metal and two 200mm long samples of solid metal for each color and finish.
- C. Submit a detailed "Painting Schedule" for review. Prepare this schedule on the basis of surfaces, types of paint materials, types of primers and sealers, number of coats and list the brand name of the products/manufacture for each use.

1.04 QUALITY ASSURANCE

- A. Applicator Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
- B. Source Limitations: Obtain block fillers and primers for each coating system from the same manufacturer as the finish coats.
- C. Field Samples: On wall surfaces and other exterior and interior components, duplicate finishes of prepared samples. Provide full-coat finish samples on at least 10 sq.m. of surface until required sheen, color, and texture are obtained; simulate finished lighting conditions for review of in-place work.
 - 1. One room or surface will be selected to represent surfaces and conditions for each type of coating and substrate to be painted. Apply coatings in this room or surface according to the schedule or as specified. After finishes are accepted, this room or surface will be used to evaluate coating systems of a similar nature.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
 - 1. Product name or title of material.
 - 2. Product description (generic classification or binder type).
 - 3. Manufacturer's stock number and date of manufacture.
 - 4. Contents by volume, for pigment and vehicle constituents.
 - 5. Thinning instructions.
 - 6. Application instructions.
 - 7. Color name and number.
 - 8. VOC content.

- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F (7 deg C). Maintain storage containers in a clean condition, free of foreign materials and residue.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Benjamin Moore
USA.
www.benjaminmoore.com
- B. Dulux Paints
UK.
- C. Sigma Paints
Saudi Arabia
Tel: 03 857-3800
Fax: 03 857-1734
- D. SK Kaken Co. Ltd.
Japan.
www.skk.com
- E. Hempel Paints
Kuwait.
Tel: 2481 3366
Fax: 24843307.
- F. Jotun Paints
Kuwait
Tel: 24743014
Fax: 24716565.
- G. Caparol
Kuwait.
Tel: 2244 5005
Fax: 2244 3335

2.02 PAINT MATERIALS, GENERAL

- A. Material Compatibility: Provide block fillers, primers, and finish-coat materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

- B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
- C. Paint Types: Refer to schedule at end of Part 3.
- D. Colors: Match approved sample.

2.03 CONCRETE UNIT MASONRY BLOCK FILLERS

- A. Concrete Unit Masonry Block Filler: Factory-formulated high-performance latex block fillers.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for paint application.
 - 1. Proceed with paint application only after unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
 - 2. Start of painting will be construed as Applicator's acceptance of surfaces and conditions within a particular area.
- B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.

3.02 PREPARATION

- A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
- B. Cleaning: Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove oil and grease before cleaning. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

1. Provide barrier coats over incompatible primers or remove and reprime.
2. Cementitious Materials: Prepare concrete, concrete unit masonry and cement plaster surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
3. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
 - a. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
 - b. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and back sides of wood, including cabinets, counters, cases, and paneling.
 - c. If transparent finish is required, backprime with spar varnish.
 - d. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on back side.
 - e. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.
4. Ferrous Metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with SSPC's recommendations.
 - a. Blast steel surfaces clean as recommended by paint system manufacturer.
 - b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
 - c. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with same primer as the shop coat.
5. Galvanized Surfaces: Clean galvanized surfaces with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.

D. Material Preparation: Mix and prepare paint materials according to manufacturer's written instructions.

1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.

3. Use only thinners approved by paint manufacturer and only within recommended limits.

3.03 APPLICATION

- A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.
 1. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
 2. Provide finish coats that are compatible with primers used.
 3. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, grilles, convector covers, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.
 4. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 5. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
 6. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
 7. Sand lightly between each succeeding enamel or varnish coat.
- B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
 1. The number of coats and film thickness required are the same regardless of application method. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
 2. Omit primer over metal surfaces that have been shop primed and touchup painted.
 3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure that edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
 4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure, and until application of another coat of paint does not cause undercoat to lift or lose adhesion.

- C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.
1. Brushes: Use brushes best suited for type of material applied. Use brush of appropriate size for surface or item being painted.
 2. Rollers: Use rollers of carpet, velvet-back, or high-pile sheep's wool as recommended by manufacturer for material and texture required.
 3. Spray Equipment: Use airless spray equipment with orifice size as recommended by manufacturer for material and texture required.
- D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate to achieve dry film thickness indicated. Provide total dry film thickness of the entire system as recommended by manufacturer.
- E. Mechanical and Electrical Work: Painting of mechanical and electrical work is limited to items exposed in equipment rooms and occupied spaces.
1. Refer to Division 15 and Division 16 for Schedule of color-coding and identification banding of equipment, ductwork, piping, and conduit.
 2. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
 3. Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, except where items are prefinished.
 4. Replace identification markings on mechanical or electrical equipment when painted accidentally.
 5. Paint exposed conduit and electrical equipment occurring in finished areas.
 6. Paint both sides and edges of plywood backboards for electrical and telephone equipment before installing equipment.
 7. Replace electrical plates, hardware, light fixture trim, and fittings removed prior to finishing.
 8. Paint interior surfaces of air ducts, that are visible through grilles and louvers with one coat of flat black paint, to limit of sight line. Paint dampers exposed behind louvers, grilles.
- F. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.
- G. Prime Coats: Before applying finish coats, apply a prime coat, as recommended by manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to insufficient sealing.
- H. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.04 CLEANING

- A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from Project site.
 - 1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

3.05 PROTECTION

- A. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Engineer.
- B. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces.

3.06 INTERIOR PAINT SCHEDULE

- A. Concrete, Concrete Block, Plaster (for all areas other than wet areas).
 - 1. One coat latex primer sealer.
 - 2. Two coats putty to provide smooth regular surface.
 - 3. Two coats latex, matt.
- B. Oil Paint to concrete, plaster, gypsum board and GRG in wet areas and as scheduled.
 - 1. One coat primer sealer.
 - 2. Two coats putty to provide smooth regular surface.
 - 3. Three coats oil based paint with good water and moisture resistance.
- C. Wood – Paint Finish (Spray Applied).
 - 1. One Coat - Wood Primer
 - 2. Two Coats - Wood Filler
 - 3. One Coat - Undercoat (thinned 5%)
 - 4. Two Coats - Alkyd Paint, semi-gloss.
- D. Wood – Lacquer Finish.
 - 1. Polish finished substrates to eliminate marks and sander scratches and wipe clean prior to application of undercoater.
 - 2. 1st Coat: Alkyd resin, nitrocellulose lacquer base, 65% solids, undercoater, color best suited to achieve final color appearance of subsequent coats.
 - 3. 2nd Coat: Lacquer, nitrocellulose plasticizer base, 45% solids, color and gloss as selected.

4. 3rd Coat: Clear catalyzed lacquer, alkyd urea base modified nitrocellulose resin, 26% solids, gloss as selected.
 5. Total dry film thickness between 3 and 5 mils.
- E. Stained Woodwork – 2 finish coats of an alkyd based clear – satin varnish over a sealer coat and an alkyd based, interior wood stain. Wipe wood filler before applying stain.
1. One coat Wood Filler
 2. One coat Stain
 3. One coat Sealer
 4. Two coats Varnish
- F. Steel - Primed (including exposed sprinkler pipes).
1. Touch-up with original primer.
 2. One undercoat alkyd enamel paint.
 3. Two coats alkyd enamel, semi-gloss, spray applied.
- G. Spray applied for Galvanized Steel.
1. One coat two-component polyamide cured epoxy primer.
 2. Two coats two-component polyurethane, isocyanite cured acrylic resin based.
- H. GRG/Gypsum Board/Access panels with gypsum board finish (for all areas other than wet areas).
1. One coat latex primer sealer.
 2. Two coats putty as a filler.
 3. Two coats latex eggshell finish.
- *I. Epoxy paint as scheduled (PTEP-1 & PTEP-2)
1. 1 coat primer sealer.
 2. Two coats 2 component epoxy resin based paint with durable and abrasion resistant properties.
 3. 1 coat polyurethane based top coat.
- *J. Metallic paint as scheduled (PTO-2)
(Product: New SK Fine Metallic or approved equal)
1. Undercoat:
Primer Base – SK#1000
Primer Hardener – SK#1000
Primer Thinner – SK#1000
 2. Mid-Coat
SK Fine Metallic Midcoat base.
SK Fine Metallic Hardener.
SK Fine Metallic Thinner.
 3. Top Coat
SK Fine Metallic Base.
SK Fine Metallic Hardener

SK Fine Metallic Thinner

*K. Product Ref.:

1. Products and manufacturers specified hereinafter are specified for the purposes of establishing minimum quality standards. Products which are equal to, or better than those specified, and which conform to the Engineer's design requirements and colour selections, may be acceptable subject to Engineer's approval.

*L. Color Code Reference: (Finish as indicated on drawings)

1. PTE-1: White ice OC-58, Benjamin Moore.
2. PTE-2: Tomato red 2010-10, Benjamin Moore.
- *3. PTE-3: Utah sky 2065-40, Benjamin Moore.
- *4. PTE-4: Pear green 2028-40, Benjamin Moore.
5. PTE-5: Feather grey 2127-60, Benjamin Moore.
6. PTE-6: Van Deusen blue HC-156, Benjamin Moore.
7. PTE-7: Soot 2129-20, Benjamin Moore.
8. PTEP-1: White ice OC-58, Benjamin Moore.
9. PTEP-2: Feather grey 2127-60, Benjamin Moore.
10. PTO-1: White ice OC-58, Benjamin Moore.
11. PTO-2: New SK Fine Metallic, color FH-102 by SK Kaken Co.

3.07 EXTERIOR PAINT SCHEDULE

A. Fairface Concrete/Exposed Masonry Construction

1. One coat - Primer.
2. One Coat - Block Filler.
3. Two Coats - (Exterior grade) latex paint, matte finish.

B. Steel - Shop Primed.

1. Touch-up with original primer.
2. One undercoat alkyd enamel paint.
3. Two coats alkyd enamel semi-gloss, spray applied.

C. Spray applied for Steel and Galvanized Steel.

1. One coat two-component polyamide cured epoxy primer.
2. Two coats two-component polyurethane, isocyanite cured acrylic finish.

D. Pavement Marking Paint: Solvent- borne coating based on alkyd resin and chlorinated rubber, pigmented with a high quality light and weather fast pigment, with a total dry film thickness of 125-150 microns or as required. Add glass beads for reflection effect.

END OF SECTION

SKU20016Q0027