

<b>SOLICITATION, OFFER, AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. SPE50013Q0049	2. TYPE OF SOLICITATION _ SEALED BID (IFB) x NEGOTIATED (RFP)	3. DATE ISSUED 9/5/2013	Page 1 of 3
	<b>IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.</b>			

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. PR2773179	6. PROJECT NO.
7. ISSUED BY AMERICAN EMBASSY LIMA Ave. Lima Polo Cdra 2 Monterrico, ATTN: GSO/Procurement Lima PERU	CODE PE500	8. ADDRESS OFFER TO AMERICAN EMBASSY LIMA Ave. Lima Polo Cdra 2 Monterrico, ATTN: GSO/Procurement Lima PERU
9. FOR INFORMATION CALL: →	A. NAME Viviana Hinostroza	B. TELEPHONE NO. <i>(Include area code) (NO COLLECT CALLS)</i> (511) 618-2233

**SOLICITATION**

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder."

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date)*:

Contract the service of a construction company to build a structural roofing for existing Outdoor High Voltage Sub-station according to the attached SOW and specifications.

11. The Contractor shall begin performance within  calendar days and complete it within 45 calendar days after receiving  award, x notice to proceed. This performance period is x mandatory,  negotiable. *(See .)*12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? *(If "YES," indicate within how many calendar days after award in Item 12B.)*  
 YES  NO

12B. CALENDAR DAYS

## 13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 2 copies to perform the work required are due at the place specified in Item 8 by 12:00 *(hour)* local time 9/25/2013 *(date)*. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- B. An offer guarantee  is,  is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than  calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

**OFFER (Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

15. TELEPHONE NO. (Include area code)

16. REMITTANCE ADDRESS (Include only if different than Item 14)

CODE FACILITY CODE

17. The offeror agrees to perform the work at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government within \_\_\_\_\_ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.

AMOUNTS →

18. The offeror agrees to furnish any required performance and payment bonds.

**19. ACKNOWLEDGMENT OF AMENDMENTS**

*The offeror acknowledges receipt of amendments to the solicitation – give number and date of each*

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER  
(Type or print)

20B. SIGNATURE

20C. OFFER DATE

**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
------------	---------------------------------------

24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) →	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO _ 10 U.S.C. 2304(c)( )      _ 41 U.S.C. 253(c)( )
--	------	---

26. ADMINISTERED BY	CODE	27. PAYMENT WILL BE MADE BY
---------------------	------	-----------------------------

**CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return \_\_\_\_\_ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration slated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print)
--	--

30B. SIGNATURE	30C. DATE	31B. UNITED STATES OF AMERICA, BY	31C. AWARD DATE
----------------	-----------	-----------------------------------	-----------------

11. SCHEDULE

*(Include applicable Federal, State and local taxes)*

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
1	Contract the service of a construction company to build a structural roofing for existing Outdoor High Voltage Sub-station according to the attached SOW and specifications. Funding Information: Total: \$0.00 ----- \$0.00 ----- \$0.00	1.00	EA	\$0.00	\$0.00

## TABLE OF CONTENTS

SF 1442 cover sheet

- A. Price
- B. Scope of Work
- C. Packaging and Marking
- D. Inspection and Acceptance
- E. Deliveries/Performance
- F. Administrative Data
- G. Special Requirements
- H. Clauses
- I. List of Attachments
- J. Quotation Information
- K. Evaluation Criteria
- L. Representations, Certifications, and other Statements of Offerors or Quoters

### Attachments

- Attachment 1: Statement of Work
- Attachment 2: Contractor Safety Policy
- Attachment 3: Daily Construction Report
- Attachment 4: Breakdown of Price by Divisions of Specifications
- Attachment 5: Project Process Chart
- Attachment 6: Project Progress Payment
- Attachment 7: Project Submittal Form
- Attachment 8: Bank Letter
- Attachment 9: Drawing of Substations "A", "B", "C"
- Attachment 10: Specifications of Precor TR4 Panels
- Attachment 11: Specifications of Structural and Miscellaneous Metal

REQUEST FOR QUOTATIONS - CONSTRUCTION

A. PRICE

The contractor shall complete all work, including furnishing all labor, material, equipment and services required under this purchase order for the following firm fixed price and within the time specified. This price shall include all labor, materials, overhead, all local taxes and profit. Amount should be expressed in US Dollars.

*Total Cost of Service* \_\_\_\_\_

*18% IGV Tax* \_\_\_\_\_

*Total Contract Cost* \_\_\_\_\_

**B. SCOPE OF WORK**

The character and scope of the work are set forth in the contract. The Contractor shall furnish and install all materials required by this contract.

In case of differences between small and large-scale drawings, the latter will govern. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

*See ATT1: Statement of Work*

**C. PACKAGING AND MARKING (RESERVED)**

## D. INSPECTION AND ACCEPTANCE

The COR, or his/her authorized representatives, will inspect from time to time the services being performed and the supplies furnished to determine whether work is being performed in a satisfactory manner, and that all supplies are of acceptable quality and standards.

The Contractor shall be responsible for any countermeasures or corrective action, within the scope of this contract, which may be required by the Contracting Officer as a result of such inspection.

### D.1 *Substantial Completion*

(a) "*Substantial Completion*" means the stage in the progress of the work as determined and certified by the Contracting Officer in writing to the Contractor, on which the work (or a portion designated by the Government) is sufficiently complete and satisfactory. Substantial completion means that the property may be occupied or used for the purpose for which it is intended, and only minor items such as touch-up, adjustments, and minor replacements or installations remain to be completed or corrected which:

- (1) do not interfere with the intended occupancy or utilization of the work, and
- (2) can be completed or corrected within the time period required for final completion.

(b) The "date of substantial completion" means the date determined by the Contracting Officer or authorized Government representative as of which substantial completion of the work has been achieved.

Use and Possession upon Substantial Completion - The Government shall have the right to take possession of and use the work upon substantial completion. Upon notice by the Contractor that the work is substantially complete (a Request for Substantial Completion) and an inspection by the Contracting Officer or an authorized Government representative (including any required tests), the Contracting Officer shall furnish the Contractor a Certificate of Substantial Completion. The certificate will be accompanied by a Schedule of Defects listing items of work remaining to be performed, completed or corrected before final completion and acceptance. Failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The Government's possession or use upon substantial completion shall not be deemed an acceptance of any work under the contract.

### D.2 *Final Completion and Acceptance*

D.2.1 "*Final completion and acceptance*" means the stage in the progress of the work as determined by the Contracting Officer and confirmed in writing to the Contractor, at which all work required under the contract has been completed in a satisfactory manner, subject to the discovery of defects after final completion, and except for items specifically excluded in the notice of final acceptance.

D.2.2 The "*date of final completion and acceptance*" means the date determined by the Contracting Officer when final completion of the work has been achieved, as indicated by written notice to the Contractor.

D.2.3 *Final Inspection and Tests* - The Contractor shall give the Contracting Officer at least five (5) days advance written notice of the date when the work will be fully completed and ready for final inspection and tests. Final inspection and tests will be started not later than the date specified in the notice unless the Contracting Officer determines that the work is not ready for final inspection and so informs the Contractor.

D.2.4 *Final Acceptance* - If the Contracting Officer is satisfied that the work under the contract is complete (with the exception of continuing obligations), the Contracting Officer shall issue to the Contractor a notice of final acceptance and make final payment upon:

- Satisfactory completion of all required tests,
- a final inspection that all items by the Contracting Officer listed in the Schedule of Defects have been completed or corrected and that the work is finally complete (subject to the discovery of defects after final completion), and
- submittal by the Contractor of all documents and other items required upon completion of the work, including a final request for payment (Request for Final Acceptance)

## E - DELIVERIES OR PERFORMANCE

### 52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to:

- (a) commence work under this contract within **5** calendar days after the date the Contractor receives the notice to proceed,
- (b) prosecute the work diligently, and,
- (c) complete the entire work ready for use not later than **45 working days from the NTP.**

The time stated for completion shall include final cleanup of the premises and completion of punch list items.

### 52.211-12 LIQUIDATED DAMAGES - CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of **US \$50.00** for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Default clause.

#### CONTRACTOR'S SUBMISSION OF CONSTRUCTION SCHEDULES

(a) The time for submission of the schedules referenced in FAR 52.236-15, "Schedules for Construction Contracts", paragraph (a), is hereby modified to reflect the due date for submission as "10 calendar days after receipt of an executed contract".

(b) These schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval.

(c) The Contractor shall revise such schedules (1) to account for the actual progress of the work, (2) to reflect approved adjustments in the performance schedule, and (3) as required by the Contracting Officer to achieve coordination with work by the Government and any separate contractors used by the Government. The Contractor shall submit a schedule, which sequences work so as to minimize disruption at the job site.

(d) All deliverables shall be in the English language and any system of dimensions (English or metric) shown shall be consistent with that used in the contract. No extension of time shall be allowed due to delay by the Government in approving such deliverables if the Contractor has failed to act promptly and responsively in submitting its deliverables. The contractor shall identify each deliverable as required by the contract.

(e) Acceptance of Schedule: When the Government has accepted any time schedule; it shall be binding upon the Contractor. The completion date is fixed and may be extended only by a written contract modification signed by the Contracting Officer. Acceptance or approval of any schedule or revision thereof by the Government shall not:

- (1) Extend the completion date or obligate the Government to do so,
- (2) Constitute acceptance or approval of any delay, or
- (3) Excuse the Contractor from or relieve the Contractor of its obligation to maintain the progress of the work and achieve final completion by the established completion date.

*Notice Of Delay* - If the Contractor receives a notice of any change in the work, or if any other conditions arise which are likely to cause or are actually causing delays which the Contractor believes may result in late completion of the project, the Contractor shall notify the Contracting Officer. The Contractor's notice shall state the effect, if any, of such change or other conditions upon the approved schedule, and shall state in what respects, if any, the relevant schedule or the completion date should be revised. The Contractor shall give such notice promptly, not more than ten (10) days after the first event giving rise to the delay or prospective delay. Only the Contracting Officer may make revisions to the approved time schedule.

*Notice to Proceed*

(a) After receiving and accepting any bonds or evidence of insurance, the Contracting Officer will provide the Contractor a Notice to Proceed. The Contractor must then prosecute the work, commencing and completing performance not later than the time period established in the contract.

(b) It is possible that the Contracting Officer may elect to issue the Notice to Proceed before receipt and acceptance of any bonds or evidence of insurance. Issuance of a Notice to Proceed by the Government before receipt of the required bonds or insurance certificates or policies shall not be a waiver of the requirement to furnish these documents.

**Working Hours** - All work shall be performed during **Monday through Friday, from 0800 to 1700 hrs.** Other hours, if requested by the Contractor, may be approved by the Contracting Officer's Representative (COR). The Contractor shall give 24 hours in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

#### ***Preconstruction Conference***

A preconstruction conference will be held 5 days after contract award at **US Lima Embassy, Av. Encalada Cdra 17 s/n Surco**, to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, Preconstruction Conference.

**Deliverables** - The following items shall be delivered under this contract:

<u>Description</u>	<u>Quantity</u>	<u>Delivery Date</u>	<u>Deliver to</u>
Section G. Securities/Insurance	1	5 days after award	CO
Section E. Construction Schedule	1	5 days after award	COR
Section E. Preconstruction Conference	1	5 days after award	COR
Section G. Personnel Biographies 1		5 days after award	COR
Section F. Payment Request	1	last calendar day of each month	COR
Section D. Request for Substantial Completion	1	10 days before inspection	COR
Section D Request for Final Acceptance	1	5 days before inspection	COR

## F ADMINISTRATIVE DATA

### 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 *FAC Engineer, Hernan Gallo*

Payment: The Contractor's attention is directed to Section H, 52.232-5, "Payments Under Fixed-Price Construction Contracts". The following elaborates on the information contained in that clause.

Requests for payment, may be made no more frequently than monthly. Payment requests shall cover the value of labor and materials completed and in place, including a prorated portion of overhead and profit.

After receipt of the Contractor's request for payment, and on the basis of an inspection of the work, the Contracting Officer shall make a determination as to the amount, which is then due. If the Contracting Officer does not approve payment of the full amount applied for, less the retainage allowed by in 52.232-5, the Contracting Officer shall advise the Contractor as to the reasons.

Under the authority of 52.232-27(a), the 14 day period identified in FAR 52.232-27(a)(1)(i)(A) is hereby changed to 30 days.

***Embassy of the United States of America FMO/DBO***

***Av. Lima Polo Cdra 2 s/n Surco***

***RUC: 20293588776***

***Working Hours: Monday through Friday, from 0900 to 1400 hrs***

The contractor shall show Value Added Tax (VAT) as a separate item on invoices submitted for payment.

## G. SPECIAL REQUIREMENTS

G.1.0 Performance/Payment Protection - The Contractor shall furnish some form of payment protection as described in 52.228-13 in the amount of 50% of the contract price.

G.1.1 The Contractor shall provide the information required by the paragraph above within ten (10) calendar days after award. Failure to timely submit the required security may result in rescinding or termination of the contract by the Government. If the contract is terminated, the contractor will be liable for those costs as described in FAR 52.249-10, Default (Fixed-Price Construction), which is included in this purchase order.

G.1.2 The bonds or alternate performance security shall guarantee the Contractor's execution and completion of the work within the contract time. This security shall also guarantee the correction of any defects after completion, the payment of all wages and other amounts payable by the Contractor under its subcontracts or for labor and materials, and the satisfaction or removal of any liens or encumbrances placed on the work.

G.1.3 The required securities shall remain in effect in the full amount required until final acceptance of the project by the Government. Upon final acceptance, the penal sum of the performance security shall be reduced to 10% of the contract price. The security shall remain in effect for one year after the date of final completion and acceptance, and the Contractor shall pay any premium required for the entire period of coverage.

G.2.0 Insurance - The Contractor is required by FAR 52.228-5, "Insurance - Work on a Government Installation" to provide whatever insurance is legally necessary. The Contractor shall at its own expense provide and maintain during the entire performance period the following insurance amounts:

G.2.1 General Liability (includes premises/operations, collapse hazard, products, completed operations, contractual, independent contractors, broad form property damage, personal injury)

1. Bodily Injury on or off the site stated in *Peruvian Soles*:

Per Occurrence                      *\$/35,000.00*

2. Property Damage on or off the site in *US Dollars*:

Per Occurrence                      *The Contracting Officer will evaluate the property damage and determine the cost.*

G.2.2 The foregoing types and amounts of insurance are the minimums required. The Contractor shall obtain any other types of insurance required by local law or that are ordinarily or customarily obtained in the location of the work. The limit of such insurance shall be as

provided by law or sufficient to meet normal and customary claims.

G.2.3 The Contractor agrees that the Government shall not be responsible for personal injuries or for damages to any property of the Contractor, its officers, agents, servants, and employees, or any other person, arising from and incident to the Contractor's performance of this contract. The Contractor shall hold harmless and indemnify the Government from any and all claims arising therefrom, except in the instance of gross negligence on the part of the Government.

G.2.4 The Contractor shall obtain adequate insurance for damage to, or theft of, materials and equipment in insurance coverage for loose transit to the site or in storage on or off the site.

G.2.5 The general liability policy required of the Contractor shall name "the United States of America, acting by and through the Department of State", as an additional insured with respect to operations performed under this contract.

### G.3.0 Document Descriptions

G.3.1 Supplemental Documents: The Contracting Officer shall furnish from time to time such detailed drawings and other information as is considered necessary, in the opinion of the Contracting Officer, to interpret, clarify, supplement, or correct inconsistencies, errors or omissions in the Contract documents, or to describe minor changes in the work not involving an increase in the contract price or extension of the contract time. The Contractor shall comply with the requirements of the supplemental documents, and unless prompt objection is made by the Contractor within 20 days, their issuance shall not provide for any claim for an increase in the Contract price or an extension of contract time.

G.3.1.1 Record Documents. The Contractor shall maintain at the project site:

- (1) a current marked set of Contract drawings and specifications indicating all interpretations and clarification, contract modifications, change orders, or any other departure from the contract requirements approved by the Contracting Officer; and,
- (2) a complete set of record shop drawings, product data, samples and other submittals as approved by the Contracting Officer.

G.3.1.2 "As-Built" Documents: After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- (1) a complete set of "as-built" drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished; and,
- (2) record shop drawings and other submittals, in the number and form as required by the specifications.

G.4.0 Laws and Regulations - The Contractor shall, without additional expense to the Government, be responsible for complying with all laws, codes, ordinances, and regulations applicable to the performance of the work, including those of the host country, and with the lawful orders of any governmental authority having jurisdiction. Host country authorities may

not enter the construction site without the permission of the Contracting Officer. Unless otherwise directed by the Contracting Officer, the Contractor shall comply with the more stringent of the requirements of such laws, regulations and orders and of the contract. In the event of a conflict between the contract and such laws, regulations and orders, the Contractor shall promptly advise the Contracting Officer of the conflict and of the Contractor's proposed course of action for resolution by the Contracting Officer.

G.4.1 The Contractor shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety, and similar matters, to the extent that such compliance is not inconsistent with the requirements of this contract.

G.4.2 The Contractor shall give written assurance to the Contracting Officer that all subcontractors and others performing work on or for the project have obtained all requisite licenses and permits.

G.4.3 The Contractor shall submit proper documentation and evidence satisfactory to the Contracting Officer of compliance with this clause.

G.5.0 Construction Personnel - The Contractor shall maintain discipline at the site and at all times take all reasonable precautions to prevent any unlawful, riotous, or disorderly conduct by or among those employed at the site. The contractor shall ensure the preservation of peace and protection of persons and property in the neighborhood of the project against such action. The Contracting Officer may require, in writing, that the Contractor remove from the work any employee that the Contracting Officer deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the project is deemed by the Contracting Officer to be contrary to the Government's interests.

G.5.1 If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice, including all relevant information, to the Contracting Officer.

G.5.2 After award, the Contractor has ten calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take *approximately 20* days to perform. For each individual the list shall include:

*Full Name*  
*Place and Date of Birth*  
*Current Address*  
*DNI number*  
*Name of father and mother*

Failure to provide any of the above information may be considered grounds for rejection and/or resubmittal of the application. Once the Government has completed the security screening and approved the applicants a badge will be provided to the individual for access to the

site. This badge may be revoked at any time due to the falsification of data, or misconduct on site.

**G.5.3** The Contractor shall provide an English speaking supervisor on site at all times. This position is considered as key personnel under this purchase order.

**G.6.0** Materials and Equipment - All materials and equipment incorporated into the work shall be new and for the purpose intended, unless otherwise specified. All workmanship shall be of good quality and performed in a skillful manner that will withstand inspection by the Contracting Officer.

#### **G.7.0** Special Warranties

**G.7.1** Any special warranties that may be required under the contract shall be subject to the stipulations set forth in 52.246-21, "Warranty of Construction", as long as they are not in conflict.

**G.7.2** The Contractor shall obtain and furnish to the Government all information required to make any subcontractor's, manufacturer's, or supplier's guarantee or warranty legally binding and effective. The contractor shall submit both the information and the guarantee or warranty to the Government in sufficient time to permit the Government to meet any time limit specified in the guarantee or warranty, but not later than completion and acceptance of all work under this contract.

#### **G.8.0** Equitable Adjustments

Any circumstance for which the contract provides an equitable adjustment that causes a change within the meaning of paragraph (a) of the "Changes" clause shall be treated as a change under that clause; provided, that the Contractor gives the Contracting Officer prompt written notice (within 20 days) stating:

- (a) the date, circumstances, and applicable contract clause authorizing an equitable adjustment and
- (b) that the Contractor regards the event as a changed condition for which an equitable adjustment is allowed under the contract

The Contractor shall provide written notice of a differing site condition within 10 calendar days of occurrence following FAR 52.236-2, Differing Site Conditions.

#### **G.9.0** Zoning Approvals and Permits

The Government shall be responsible for:

- obtaining proper zoning or other land use control approval for the project
- obtaining the approval of the Contracting Drawings and Specifications

- paying fees due for the foregoing; and,
- for obtaining and paying for the initial building permits.

## H. CLAUSES

### 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more 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/these address(es):

<http://acquisition.gov/far/index.html> or, <http://farsite.hill.af.mil/search.htm>

These addresses are subject to change. If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Dept. of State Acquisition Website at <http://www.statebuy.state.gov> to see the links to the FAR. You may also use an Internet "search engine" (e.g., Yahoo, Excite, Alta Vista, etc.) to obtain the latest location of the most current FAR.

### FEDERAL ACQUISITION REGULATION (48 CFR CH. 1)

<u>Clause</u>	<u>Title and Date</u>
52.204-9	PERSONAL IDENTIFICATION VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards (JUL 2010)
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (DEC 2010)
52.213-4	Terms and Conditions-Simplified Acquisitions (Other than Commercial Items) (FEB 2012)
52.222-1	Notice to the Government of Labor Disputes (FEB 1997)
52.222-19	Child Labor – Cooperation with Authorities and Remedies (AUG 2010)
52.222-50	COMBATING TRAFFICKING IN PERSONS (FEB 2009)
52.223-18	Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011)
52.225-10	Notice of Buy American Act/Balance of Payments Program—Construction Materials (FEB 2000)
52.225-13	Restrictions on Certain Foreign Purchases (JUN 2008)
52.225-14	Inconsistency Between English Version and Translation of Contract (AUG 1989)
52.228-4	Workers' Compensation and War-Hazard Insurance Overseas (APR 1984)
52.228-5	Insurance - Work on a Government Installation (JAN 1997)

52.228-11	Pledges of Assets (SEP 2009)
52.228-13	Alternative Payment Protection (JUL 2000)
52.229-6	Taxes - Foreign Fixed-Price Contracts (JUN 2003)
52.232-5	Payments under Fixed-Price Construction Contracts (SEP 2002)
52.232-8	Discounts for Prompt Payment (FEB 2002)
52.232-11	Extras (APR 1984)
52.232-18	Availability of Funds (APR 1984)
52.232-24	Prohibition of Assignment of Claims (JAN 1986)
52.232-27	Prompt Payment for Construction Contracts (OCT 2008)
52.232-34	Payment by Electronic Funds Transfer – Other than Central Contractor Registration (MAY 1999)
52.233-1	Disputes (JUL 2002) Alternate I (DEC 1991)
52.233-3	Protest after Award (AUG 1996)
52.236-2	Differing Site Conditions (APR 1984)
52.236-3	Site Investigation and Conditions Affecting the Work (APR 1984)
52.236-5	Material and Workmanship (APR 1984)
52.236-6	Superintendence by the Contractor (APR 1984)
52.236-7	Permits and Responsibilities (NOV 1991)
52.236-8	Other Contracts (APR 1984)
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements (APR 1984)
52.236-10	Operations and Storage Areas (APR 1984)
52.236-11	Use and Possession Prior to Completion (APR 1984)
52.236-12	Cleaning Up (APR 1984)
52.236-14	Availability and Use of Utility Services (APR 1984)
52.236-15	Schedules for Construction Contracts (APR 1984)
52.236-21	Specifications and Drawings for Construction (FEB 1997)
52.236-26	Preconstruction Conference (FEB 1995)
52.242-14	Suspension Of Work (APR 1984)
52.243-4	Changes (JUNE 2007)
52.243-5	Changes and Changed Conditions (APR 1984)
52.244-6	Subcontracts for Commercial Items (DEC 2010)
52.245-9	Use & Charges (AUG 2010)
52.246-12	Inspection of Construction (AUG 1996)
52.246-21	Warranty of Construction (APR 1984)
52.249-2	Termination for Convenience of the Government (Fixed-Price) (MAY 2004) Alternate I (APR 1984)
52.249-14	Excusable Delay (APR 1984)
52.249-10	Default (Fixed-Price Construction) (APR 1984)

The following clauses are set forth in full text:

652.204-70 DEPARTMENT OF STATE PERSONAL IDENTIFICATION CARD ISSUANCE PROCEDURES (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at <http://www.state.gov/m/ds/rls/rpt/c21664.htm> .

(End of clause)

#### CONTRACTOR IDENTIFICATION (JULY 2008)

Contract performance may require contractor personnel to attend meetings with government personnel and the public, work within government offices, and/or utilize government email.

Contractor personnel must take the following actions to identify themselves as non-federal employees:

- 1) Use an email signature block that shows name, the office being supported and company affiliation (e.g. "John Smith, Office of Human Resources, ACME Corporation Support Contractor");
- 2) Clearly identify themselves and their contractor affiliation in meetings;
- 3) Identify their contractor affiliation in Departmental e-mail and phone listings whenever contractor personnel are included in those listings; and
- 4) Contractor personnel may not utilize Department of State logos or indicia on business cards.

(End of clause)

#### DOSAR 652.236-70 ACCIDENT PREVENTION (APR 2004)

(a) *General.* The contractor shall provide and maintain work environments and procedures which will safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to contractor operations and activities; avoid interruptions of Government operations and delays in project completion dates; and, control costs in the performance of this contract. For these purposes, the contractor shall:

- (1) Provide appropriate safety barricades, signs and signal lights;
- (2) Comply with the standards issued by any local government authority having jurisdiction over occupational health and safety issues; and,

(3) Ensure that any additional measures the contracting officer determines to be reasonably necessary for this purpose are taken.

(4) For overseas construction projects, the contracting officer shall specify in writing additional requirements regarding safety if the work involves:

(i) Scaffolding;

(ii) Work at heights above two (2) meters;

(iii) Trenching or other excavation greater than one (1) meter in depth;

(iv) Earth moving equipment;

(v) Temporary wiring, use of portable electric tools, or other recognized electrical hazards. Temporary wiring and portable electric tools require the use of a ground fault circuit interrupter (GFCI) in the affected circuits; other electrical hazards may also require the use of a GFCI;

(vi) Work in confined spaces (limited exits, potential for oxygen less than 19.5 percent or combustible atmosphere, potential for solid or liquid engulfment, or other hazards considered to be immediately dangerous to life or health such as water tanks, transformer vaults, sewers, cisterns, etc.);

(vii) Hazardous materials – a material with a physical or health hazard including but not limited to, flammable, explosive, corrosive, toxic, reactive or unstable, or any operations which creates any kind of contamination inside an occupied building such as dust from demolition activities, paints, solvents, etc.; or

(viii) Hazardous noise levels.

(b) *Records.* The contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft of property, materials, supplies, or equipment. The contractor shall report this data in the manner prescribed by the contracting officer.

(c) *Subcontracts.* The contractor shall be responsible for its subcontractors' compliance with this clause.

(d) *Written program.* Before commencing work, the contractor shall:

(1) Submit a written plan to the contracting officer for implementing this clause. The plan shall include specific management or technical procedures for effectively controlling hazards associated with the project; and,

(2) Meet with the contracting officer to discuss and develop a mutual understanding relative to administration of the overall safety program.

(e) *Notification.* The contracting officer shall notify the contractor of any non-compliance with these requirements and the corrective actions required. This notice, when delivered to the contractor or the contractor's representative on site, shall be deemed sufficient notice of the non-compliance and corrective action required. After receiving the notice, the contractor shall immediately take corrective action. If the contractor fails or refuses to promptly take corrective action, the contracting officer may issue an order suspending all or part of the work until satisfactory corrective action has been taken. The contractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any suspension of work order issued under this clause.

(End of clause)

#### 652.242-73 AUTHORIZATION AND PERFORMANCE (AUG 1999)

(a) The contractor warrants the following:

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

(2) That it 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.

#### 652.243-70 NOTICES (AUG 1999)

Any notice or request relating to this contract given by either party to the other shall be in writing. Said notice or request shall be mailed or delivered by hand to the other party at the address provided in the schedule of the contract. All modifications to the contract must be made in writing by the contracting officer.

#### 652.229-71 PERSONAL PROPERTY DISPOSITION AT POSTS ABROAD (AUG 1999)

Regulations at 22 CFR Part 136 require that U.S. Government employees and their families do not profit personally from sales or other transactions with persons who are not themselves entitled to exemption from import restrictions, duties, or taxes. Should the contractor experience importation or tax privileges in a foreign country because of its contractual relationship to the United States Government, the contractor shall observe the requirements of 22 CFR Part 136 and all policies, rules, and procedures issued by the chief of mission in that foreign country.

## I. LIST OF ATTACHMENTS

<u>ATTACHMENT NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>	<u>NO. PAGES</u>
Attachment 1	Statement of Work	8
Attachment 2	Contractor Safety Policy	2
Attachment 3	Daily Construction Report	2
Attachment 4	Breakdown of Price by Divisions of Specifications	1
Attachment 5	Project Process Chart	2
Attachment 6	Project Progress Payment	2
Attachment 7	Project Submittal Form	2
Attachment 8	Bank Letter	2
Attachment 9	Drawing of Substations "A", "B", "C"	3
Attachment 10	Specifications of Precor TR4 Panels	2
Attachment 11	Specifications of Structural and Miscellaneous Metal	6

## J. QUOTATION INFORMATION

### A. QUALIFICATIONS OF OFFERORS

Offerors/quoters must be technically qualified and financially responsible to perform the work described in this solicitation. At a minimum, each Offeror/Quoter must meet the following requirements:

- (1) Be able to understand written and spoken English;
- (2) Have an established business with a permanent address and telephone listing;
- (3) Be able to demonstrate prior construction experience with suitable references;
- (4) Have the necessary personnel, equipment and financial resources available to perform the work;
- (5) Have all licenses and permits required by local law;
- (6) Meet all local insurance requirements;
- (7) Have the ability to obtain or to post adequate performance security, such as bonds, irrevocable letters of credit or guarantees issued by a reputable financial institution;
- (8) Have no adverse criminal record; and
- (9) Have no political or business affiliation which could be considered contrary to the interests of the United States.

### B. SUBMISSION OF QUOTATIONS

This solicitation is for the performance of the construction services described in SCOPE OF WORK, and the Attachments which are a part of this request for quotation.

Each quotation must consist of the following:

<u>Volume</u>	<u>Title</u>	<u>No. of Copies*</u>
I	Standard Form 1442 including a completed Attachment 4, "BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS.	<u>2</u>
II	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal.	<u>3</u>

Submit the complete quotation to the address indicated on Standard Form 1442, if mailed, or the address set forth below, if hand delivered.

*US Embassy Lima  
Contracting Office / GSO  
Av. Lima Polo cdra 2 s/n Surco*

***The proposal should be submitted no later than September 25<sup>th</sup>, 2013 at noon.***

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.

Volume II: Performance schedule and Business Management/Technical Proposal.

(a) Present the 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.

(b) The Business Management/Technical Proposal shall be in two parts, including the following information:

Proposed Work Information - Provide the following:

(1) A list of the names, addresses and telephone numbers of the owners, partners, and principal officers of the Offeror;

(2) The name and address of the Offeror's field superintendent for this project;

(3) A list of the names, addresses, and telephone numbers of subcontractors and principal materials suppliers to be used on the project, indicating what portions of the work will be performed by them; and,

Experience and Past Performance - List all contracts and subcontracts your company has held over the past three years for the same or similar work. Provide the following information for each contract and subcontract:

(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.

of enamel, grey color (4.0 mills). Paint should be done with fine brushes or rollers. Avoid air compressed painting to eliminate contaminations on adjacent surfaces.

- h. All welding according to AWS D1.1 and following the procedures SMAW, GMAW.
- i. Steel zinc alum ASTM A 792 laminated sheets and accessories should be used, Precor TR-4, 0.55mm thickness. Steel gray color with resistance against UV rays.
- j. Precor TR-4 sheets should be installed on top of the structures as well on all the sides to hide the structure.
- k. Contractor should take care to remove the protection plastic film on the Precor TR-4 sheets, once finished with the installation. Ignoring this, it will cause major damages to the paint.
- l. Contractor must follow all instructions given by the steel zinc alum sheets manufacture regarding installation.

#### CHAIN LINK FENCE

- m. Contractor shall remove the existing fence and its structure located around the substation. All the material (link fence and existing structure) will be re-used for the new fence.
- n. Contractor shall demolish existing pole bases. Also, they need to consider a temporary fence in order to protect the equipment and people.
- o. All steel structures pieces shall receive mechanical cleaning until all rust is removed. The inferior part of the poles will be cut and then welded with 2" steel pipe. All the structure shall be applied one coat of rust resistant primer and two finish coats of green enamel. The metal poles shall be anchored to the new slab using a 1" thickness square sheet metal.
- p. Contractor shall modify the metal pieces in order they must fit with the design and keep proportional the distances between poles and new columns.
- q. Contractor shall include the supply of extra chain link fence if the existing doesn't cover all the area. The chain link fence must be plastified with minimum 12-gauge and 2" mesh.
- r. Contractor shall cover the chain link fence with a new green cloth screen (90% visual) to hide the equipment. The contractor shall include in his proposal the complete characteristics of the new chain link fence.

#### GENERAL CONSIDERATIONS

- s. The contractor shall take the cautions to protect electrical equipment operating inside the area installing screeners or fabric around the equipment.
- t. Contractors must provide their own equipment and scaffolds
- u. Contractor must follow all working safety regulations and provide their personnel with appropriate safety equipment like gloves, security shoes, ocular protection, earring protection, falling protection etc... A site meeting will be held to discuss safety issues prior to work commencing
- v. The Embassy is providing in **Att2 Contractor Safety Policy**.

- w. All given measurements shall be taken by the Contractor, since this is a fixed sum lump Contract. No amendments in the Contract shall be accepted due to discrepancy with the measurements.
  - x. Embassy only provides water and electrical power for this work. Embassy can provide power on: 115 Volts/1 phase/60 Hz, 208 Volts/3 phase/60 Hz, 480 Volts/3 phase/60 Hz. in one single point where the Contractor will perform its work. Contractor must connect to this electrical point according to his requirements with electrical extension cords, reliable, good quality and in good conditions. The use of extensions in bad conditions or improper connections will not be allowed. Contractor must provide all equipment and materials.
  - y. Working days: Monday thru Saturday 8 AM to 5 PM.
  - z. Upon completion of work area is to be returned to clean condition with no dust or paint stains in evidence and no excess paint dropping on metallic fence.
  - aa. All damaged areas during the working process should be restored to its original conditions.
  - bb. Contractor must remove and dispose all exceeding material.
- 1.3 The facility, US Chancery Building is located in Encalada Ave. Block 17 s/n. All inspections shall be requested through the Embassy's Facility Manager [FM] or Contracting Officer Representative [COR].
- 1.4 Work shall be completed as expeditiously as possible. The structure shall be occupied during the execution of this contract. Contractor shall coordinate with Contracting Officer for work phasing and job sequencing with work commencing and completing in each apartment unit in a sequential manner. Contractor to submit a phasing plan with construction schedule for review and approval prior to commencement of work at the site.
- 1.5 Contractor may be allowed to overlap phases upon exhibition of sufficient capability to execute the project simultaneously at multiple apartment units with the approval of the Contracting Officer [CO].

## 2.0 GENERAL REQUIREMENTS

- 2.1 The Contractor shall provide quantity surveyors, construction personnel, equipment, materials, tools and supervision as needed to complete the services that meet the technical requirements in this Statement of Work [SOW]. It is expected that the Contractor shall partner closely with Embassy personnel.
- 2.2 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 all Phases of the project shall be completed in **45 working days from the Construction begins**, as defined on paragraph 9.2.
- 2.3 The Contractor shall have limited access to or be admitted into any structure outside the areas designated for the project except with permission by the Embassy. The Contractor shall address the impact of the consequent disruption and provide for a continuing level of operation for continuous occupation of the residence during construction.
- 2.4 The Contractor shall be required to prepare and submit reports, bill of materials, product literature, drawings, specifications, quality control schedules, safety plan and construction costs.

These documents shall provide the necessary interfaces, coordination, and communication between the Embassy and Contractor for the delivery of a completed project.

### **3.0 GOVERNMENT MATERIAL (GM) [Not applicable]**

### **4.0 CONTRACT ADMINISTRATION**

- 4.1 The Contractor shall not conduct any work that is beyond this Statement of Work and accompanying specifications unless directed in writing by the Contracting Officer [CO]. Any work done by the Contractor beyond this SOW and accompanying specifications without direction from the CO will be at the Contractor's own risk and at no cost to the Embassy.
- 4.2 The Contracting Officer shall provide a Notice to Proceed [NTP] to the Contractor. No work shall be initiated until the NTP is issued by the CO.
- 4.3 The Contracting Officer may designate more than one individual to serve as the Contracting Officer's Representative [COR]. The Contractor will be furnished evidence of COR appointments, including explicit authority delegated to each COR and their responsibilities.
- 4.4 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.
- 4.5 The Embassy's review, approval, or acceptance of, nor payment for the services required under this contract shall be construed to operate as a waiver of any rights under this contract or any cause of action against the Contractor arising out of the performance of this contract.
- 4.6 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 Office of Overseas Buildings may perform quality assurance inspections [QAI] and tests during construction to confirm the work is installed according to the SOW.
- 4.7 The Contracting Officer has the authority to issue a temporary stop order during the execution of any particular phase of this SOW. This authority may be executed when the Embassy requires time for official functions, or is in possession of specific credible information indicating that the lives of Embassy personnel are immediately threatened and that the execution of the project will increase the Embassy's vulnerability. The Contractor shall promptly notify the CO that work has been stopped.
- 4.8 If any of the Contractor's services do not conform to the contract requirements, the COR may require the Contractor to perform the services again in conformity with the contract requirements. The Embassy may by contract or otherwise, perform the services and charge the Contractor any cost incurred by the Embassy that is directly related to the performance of such service or terminate the contract for default.
- 4.9 The Embassy has the right to terminate this contract of convenience at any time in whole, or from time to time, if the Contracting Officer determines it is in the interest of the Embassy.

### **5.0 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. The Contractor shall, without additional compensation, correct or revise any errors or deficiencies in its construction and other services.

- 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 be approved by the COR.
- 5.3 The Project Site Manager shall attend all project meetings, prepare Status Reports on the project and submit them to the COR. Status Reports shall contain meeting minutes, accomplishments, arising concerns and proposed solutions, any proposed changed orders, and any other pertinent information required to report the progress of performance.
- 5.4 The Contractor shall provide and submit to the COR Daily Construction Reports as indicated on **Attachment B**, indicating events, work accomplished, materials delivered etc.
- 5.5 All documentation produced for this project will become the ownership of the Embassy at the completion of this project.
- 5.6 The Contractor shall verify that all materials, equipment, and systems provide operational dependability. The Contractor assures the completed construction shall be easily maintained or replaced with readily available materials and services.
- 5.7 Any cost associated with services subcontracted by the Contractor shall be borne by and be the complete responsibility of the Contractor under the fixed price of this contract.
- 5.8 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 COR.
- 5.9 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 contract. The rights and remedies for the Embassy provided for under this contract are in addition to any other rights and remedies provided by law.

## **6.0 PRE-CONSTRUCTION REQUIREMENTS**

- 6.1 The Contractor shall examine all the documents and visit the site to fully inform themselves of all the conditions and limitations applied to the work and submit a firm fixed price cost proposal for all the work. No subsequent cost allowance will be made to the Contractor for neglect of the existing conditions.
- 6.2 Provide a statement that the Contractor's company and all personnel are experienced in **manufacturing and installing metal structures and roofing systems.**
- 6.3 The Contractor shall prepare and submit a Quality Control Schedule [QCS] and Project Safety Plan [PSP] to address the project. The QCS and PSP are intended to document the entire project from beginning to end.
- 6.4 Submit a copy of a Contractor's Installation Guarantee covering the work, labor and equipment for a period of ONE [1] year at no cost to the Embassy signed by the Contractor.
- 6.5 Submit a Bill of Materials [BOM], product literature, samples and standard specification submittals of all materials to be used in the project provided by the contractor. The BOM's shall list the equipment and materials in sufficient detail that a purchase order for the materials and equipment can be executed without further elaboration or specifications. These documents will be used by

the Embassy to approve all equipment and materials.

## **7.0 CONSTRUCTION REQUIREMENTS**

- 7.1 No construction shall begin until approvals of the Pre-Construction Submittals are accepted by the COR. Requests for approvals should be sent to the COR in the appropriate form as indicated on **Att 6 Shop Drawing/Material Approval Request**
- 7.2 The approval of the drawings and/or materials by the Contracting Officer shall not be construed as a complete check, but will indicate only that the general method of construction and detailing is satisfactory. Approval of such drawings and/or materials will not relieve the Contractor of the responsibility for any error which may exist as the Contractor shall be the responsible for the dimensions, design, quality, adequate connections, details and satisfactory construction of all work.
- 7.2 The Contractor shall be responsible for all required materials not provided by the Embassy, 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 COR.
- 7.3 All materials and equipment incorporated into the project shall be new unless noted otherwise. The Contractor shall transport and safeguard all materials and equipment required for construction.
- 7.4 Equipment and materials shall be carefully handled, properly stored, and adequately protected to prevent damage before and during installation, in accordance with the manufacturer's recommendations. Damaged or defective items shall be replaced. The contractor will be responsible for security of all materials and equipment.
- 7.5 Receipt Of Materials - Shipment of equipment, materials, and supplies shall be addressed to the Contractor - not the Embassy. The Contractor must be on hand to accept shipments; the Embassy will not accept shipments.
- 7.6 The Contractor will be provided with a storage and staging area as determined by the COR. The Contractor shall be responsible for restoring the area to its original condition at the completion of the work. The Contractor shall be responsible for repair of any damage incurred to buildings or pavement as a result of storage activities. The Contractor is responsible for obtaining any additional off compound storage areas as required.
- 7.7 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 COR.
- 7.8 The Contractor shall perform the work at the site during the Embassy's normal workday hours, unless agreed upon with the COR.
- 7.9 The Contractor shall be responsible for connection of temporary utilities to existing utilities including water and power lines. All temporary connections to local water and power lines shall be coordinated with the COR. The Contractor shall pay all costs incurred in connecting, converting, and transferring the utilities to the work. The Contractor shall be responsible for making connections including providing back flow preventer devices on connections to domestic water lines, providing transformers, and for disconnections.
- 7.10 At the end of each work day, or notification of a temporary stop order, the Contractor shall lower and fixed all temporary work platforms and/or harnesses. Contractor shall notify the COR of the temporary barricade locations. Beginning the next workday, the contractor shall remove the temporary barricades before continuing the project.

7.12 Cleanup - The Contractor shall keep the work area, including storage areas, free from accumulations of waste materials on a daily basis and comply with all federal, state and local regulations pertaining to the storage, transport and disposal of wastes. The Contractor shall not use Embassy waste disposal facilities including garbage cans, trash piles or dumpsters.

## 8.0 CRITERIA

8.1 The Contractor work shall in accordance with U.S. codes and standards. The COR will review and comment on the Contractor's submissions using the following codes and standards:  
American Society for Testing & Materials,  
2003 International Building Code  
2003 International Mechanical Code  
2003 International Plumbing Code  
2008 National Electrical Code (NFPA)

## 9.0 DELIVERABLE SCHEDULE

9.1 The Contractor shall commence work under this contract promptly, execute the work diligently, and achieve final completion and acceptance including final cleanup of the premises within the period specified.

9.2 Milestones:

Contractor Pre-Proposal Site Visit	Sep 19, 2013
Proposal Submittance	Sep 25, 2013
Pre-Construction Submittals	Within 10 days of NTP
Embassy Submittal Review	10 days
	Construction Begins Within 30 days of NTP and/or when personnel is cleared by Embassy Security
Construction	45 working days

9.3 Project Completion: Furnish one copy of maintenance and operating information, Contractor's one year workmanship guarantee and product literature of all items installed.

## 10.0 PROJECT SECURITY

10.1 The work to be performed under this contract requires that the Contractor, its employees and sub-contractors shall be cleared by Embassy Security and submit corporate, financial and personnel information for review by the Embassy. Information submitted by the Contractor will not be disclosed beyond the Embassy.

10.2 The Contractor shall submit this information including construction vehicle requirements within 10 days of the Notice to Proceed.

## 11.0 PAYMENTS

11.1 The Contractor shall provide a fixed priced lump sum proposal to the Contracting Officer, as indicated on **Attachment 4** Price Schedule Breakdown as well as schedule of the works as indicated on **Attachment 5** Proposed Performance Chart The Contractor may submit requests for progress payments at monthly intervals to cover the value of labor and materials completed to date, as indicated on **Attachment 6**. In making progress payments, there shall be retained 10% of the amount due until final completion.

- 11.2 The Contractor shall submit one copy of all payment invoices, with the appropriate backup documents to the COR. The COR will determine if the invoice is complete and proper as submitted. The COR also will determine if billed services have been satisfactorily performed and if expenses billed are correct. If it is determined that the amount billed is incorrect, the COR will within seven days, request the Contractor to submit a revised invoice.
- 11.3 The Contractor shall specifically identify his last invoice "Final Invoice." The Final invoice shall include the remaining payment claimed to be due under the basic contract and all modifications issued, if any. The final invoice shall also have the Contractor's Release of Claims Certificate attached.

**END OF STATEMENT OF WORK**

## Attachment 2

### US EMBASSY LIMA Facilities Management Section Contractor Safety Policy

This Document outlines the safety policy for contractors hired by the US Embassy Lima Facilities Management Section, which provides construction services and facility maintenance. The concern for safety, health, and welfare of all of our employees and hired Contractors has become our greatest asset. We must all continue to recognize that there is no other aspect of our work that takes greater priority.

It is the policy of the Facilities Section to:

- Provide safe working conditions,
- Perform all activities in ways that eliminate risk of injury or health impairment to any tradesperson,
- Maintain all areas in ways that eliminate risk to visitors and to the public, and
- Eliminate risk of damage to property on and adjacent to every jobsite.

These are basic responsibilities of every company and individual on every jobsite. All supervisors of all trades must routinely accept complete responsibility for prevention of accidents and for the safety of all work under their direction. All trades people of every category are required to conduct themselves in a safe, considerate, and workmanlike manner.

By contract and by law, every company and person employed on the site is obligated at a minimum to comply with this safety policy document, the Federal Occupational Safety and Health Act, Americans with Disabilities Act, and the laws of every entity having jurisdiction over the work and the site.

Any company or individual refusing to correct observed safety violations will be banned from the site at least until such violations are corrected, and will be held completely responsible for all resulting effects.

The collective results of all our direct attention to safety objective will contribute to success, pride, and security that goes with it. Conduct with respect to safety will affect the manner in which the performance of all employees will be measured.

Although we enjoy a safety record to be proud of, our goal is 100% accident-free work, while ensuring our history of enduring quality work and satisfied clients. The good intentions, cooperation and good judgment of all employees in the use of safe and responsible work practices is the path toward continued personal and company improvement, and must be pursued each day.

#### A. DISCIPLINARY ACTION AND PROCEDURE FOR SAFETY VIOLATIONS

##### A.1 Policy

Compliance with all safety rules and procedures is a condition of contract agreement when working for the US Embassy Lima. All contractors and their employees

must familiarize themselves with safety rules and procedures, and comply with them in every respect. Supervisory, administrative, and management personnel at all levels are responsible for taking immediate corrective action when a violation is observed. Contractors are responsible for their crews' compliances.

Any person causing or knowingly allowing an unsafe condition to remain shall be subject to a warning and possible dismissal. Contractors guilty of intentional, serious, and/or repeated violations will be subject to a contract termination.

## A.2 Disciplinary Action

If a violation is observed, or comes to the attention of any Embassy supervisor or management personnel, action must be taken immediately to correct the violation. Immediately thereafter, the POSHO is to be notified. The POSHO will then follow the procedures below for necessary disciplinary action:

### First Warning:

The first warning will require the person to immediately leave the jobsite. The individual may return the following workday, provided there is not a safety violation. A verbal and written warning, with a copy of the Safety Violation Warning Notice will be given to the contractor and distributed to the project and contractor files.

### Second Warning:

The second warning will again require the person to immediately leave the jobsite. That individual will no longer be allowed on a US Embassy jobsite. A written notice will be given to the contractor, be retained by the POSHO and be distributed to the project and contractor files. A meeting will be held with the contractor and the POSHO in order to determine why the individual is not willing to comply with the rules and regulations. Any further action taken at this time will be determined by management, and be based upon the severity of the violation.

### Third Warning:

A third violation by the same company will result in a written notice which will be given to the contractor, be retained by the POSHO, and be distributed to the project and contractor file. Three (3) warnings for safety violations may result in termination of contract.

The actions listed above must be taken when a violation is observed. The US Embassy Beijing cannot tolerate actions or negligence that may result in injury. If there are any questions concerning this policy and procedure, contact the POSHO.

## B. FIRST AID

The contractor is responsible for providing first aid and medical treatment for their own employees and any subcontractors employed by the contractor. The contractor is also responsible to ensure that the names, addresses and telephone numbers of the

contractor's doctors, hospital, and ambulance services are conspicuously posted as required by law.

The Facilities Section will provide a first aid kit for use by all parties, located at its jobsite field office. The subcontractor is required to provide its own first aid kit conspicuously located in the vicinity of each of its work areas, and readily accessible at all times. Each first aid kit is to be of an appropriate size for the respective crew.

#### C. CONTRACTOR EMPLOYEE ORIENTATION AND TRAINING

The contractor shall provide and enforce an adequate ongoing safety program for the benefit of its employees. At a minimum, the contractor is required to:

1. Present its safety and loss control orientation program to each new employee prior to that employee's start of work.
2. Inform their employees of all safety and health rules pertaining to their particular work assignment.
3. Inform their employees of the location(s) and uses of all safety equipment and devices; such as first aid kits, fire extinguishers, personal protective devices, personal transport devices, communication equipment, etc.
4. Conduct monthly safety meetings for its supervisory employees and weekly tailgate safety meetings for all employees, including appropriate documentation of all meetings.
5. Implement a regular system of inspection of all work areas with the intention to detect and correct hazardous and potentially hazardous conditions, violations of any safety rule, and unsafe working practices.

#### D. CONTRACTOR EMPLOYEE CONDUCT

All contractor's employees are to be made aware of the following minimum rules of conduct, and will be required to comply with all such rules. Failure to comply may result in that company or its employee being temporarily or permanently barred from the site, at the sole discretion of the US Embassy Lima.

1. Alcoholic beverages and illegal drugs are strictly prohibited.
2. Employees entering the jobsite in the possession of or under the influence of alcohol or illegal drugs or controlled substances shall be subject to immediate ejection from the jobsite.
3. No firearms or weapons of any kind are allowed on the jobsite.
4. Fighting, gambling, stealing, soliciting, and horseplay of any kind is strictly prohibited.
5. Abusive language or disrespectful behavior is prohibited.
6. All accidents are to be reported on the same day as the accident occurrence.
7. All non-emergency treatment of accidents is to be authorized by the injured employee's immediate supervisor.
8. All employees are to be made aware of any jobsite alarms and emergency code signals.

9. Hardhats and construction grade shoes or boots are to be worn at all times.
10. Seat belts are to be worn at all times when in company vehicles and equipment.
11. Jobsite roadways and walkways are not to be blocked without prior approval of the foreman.
12. Proper hygiene will be expected of each employee.
13. All other written and spoken safety rules are to be followed explicitly.

**E. EMPLOYEE CLOTHING AND PERSONAL PROTECTIVE EQUIPMENT**

The contractor is responsible to ensure that all contractor's employees comply with minimum requirements for clothing worn in work areas, and that all contractor's employees have available to them and use all personal protective equipment required by their individual work assignments. Failure to comply may result in suspension of the work being performed by those employees until the clothing or equipment need is corrected. At a minimum:

1. The contractor is to provide and require the use of all protective devices and personal protective equipment by its employees at all times as required by their respective work activities.
2. Approved eye and face protection must be worn when conditions require. Safety glasses are required in all circumstances where there is the possibility of exposure to flying debris or particles. Side shields should also be worn whenever possible.
3. Plastic face shields should be worn wherever there is the possibility of flying particles and spraying of liquids or corrosive substances.
4. A hard hat is to be worn at all times.
5. Only full-covered leather work shoes are allowed. Sneakers, canvas shoes, or shoes that are open in any way are not allowed.
6. Shirts must be worn at all times. Sleeveless shirts and tank tops are not allowed.
7. Shorts are not allowed. Full-length pants must be worn at all times.
8. Jewelry is not to be worn on the jobsite at any time. A watch may be worn unless the employee is performing any task, which may result in the watchband being caught, or an object becoming lodged between the band and skin. Watchbands should be of the expansion type, so that they would slip off if they get caught.





**FAC**  
**US EMBASSY LIMA PERU**

**PROJECT: NEW STRUCTURAL ROOFING**

**LOCATION: ELECTRICAL SUBSTATION**  
**US EMBASSY - CHANCERY BUILDING**

**ATTACHMENT "4"**  
**PRICE SCHEDULE BREAKDOWN**

ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE US \$	TOTAL US \$
<b>1.00</b>	<b><u>PRELIMINARY WORKS</u></b>				
1.01	Mobilization	Glb	1		
1.02	Removing existing chain link fence	Glb	1		
1.03	Survey and rough in works	Glb	1		
1.04	Temporary fence	Glb	1		
<b>2.00</b>	<b><u>CIVIL WORKS</u></b>				
2.01	Excavation and leveling	M3			
2.02	Soil Compactation	M3			
2.03	Demolition works	Glb	1		
2.04	Excavation for Columns	M3			
2.05	Disposal of extra material	Glb	1		
2.06	Concrete bases for new structural columns	U			
2.07	Reinforced concrete slab with f'c=210Kg/cm2	M3			
2.08	6" Drains	Glb	1		
<b>3.00</b>	<b><u>ROOFING WORKS</u></b>				
3.01	Construction and installation of the following: 1) Structural steel Framing 2.5mm thick (ASTM A36): Include Beams, columns, stiffeners 2) Concrete base with concrete Fc=210 Kg/cm2 3) Laminated sheets TR4-50mm 4) Sandblasting and Painting	Gbl	1		
<b>4.00</b>	<b><u>METALLIC CARPENTRY</u></b>				
4.01	Installation of Chain link fence 1) Modification of the structure. 2) Pain of metal pieces. 3) Installing fence structure 4) Installing Chain link fence and screen	Glb	1		
<b>5.00</b>	<b><u>OTHERS</u></b>				
5.01	Shop Drawings	Glb	1		
5.02	Cleaning	Glb	1		
5.03	Demovilization	Glb	1		
	SUBTOTAL				
	Overhead and Profit				
	SUBTOTAL				
	IGV				
<b>TOTAL COST</b>			<b>US</b>	<b>\$0.00</b>	



Attachment 6

# SHOP DRAWING/MATERIAL APPROVAL REQUEST

NOTE: ALL ENTRIES WILL BE FILLED IN BY TYPEWRITER OR PEN INK

PROJECT NO: \_\_\_\_\_

FROM:

CONTRACTOR

CONTRACT NUMBER

DATE

SUBMISSION NUMBER

MORE FORMS REQUIRED

TYPE OF SUBMITTAL

GOVERNMENT USE ONLY

NO  YES

NEW  RESUBMITTAL OF #

ITEM NO

SPECIFICATION SECTION AND PARAGRAPH NO

DESCRIPTION OF MATERIAL

AP PROVED

AP PROVED AS NOTED

DISAP PROVED

INT

CONTRACTOR CERTIFIES THAT MATERIALS COMPLY WITH BUY AMERICAN ACT (FAR 52.225-09)

NO OF COPIES TO

BY (NAME AND TITLE)

SIGNATURE

(US Embassy)

COMMENTS

### FOR GOVERNMENT USE ONLY

US EMBASSY

TO: CONTRACTING OFFICER

RECOMMEND  APPROVAL OR  DISAPPROVAL AS INDICATED AND SUBJECT TO APPLICABLE COMMENTS ABOVE.

TYPED NAME AND GRADE

SIGNATURE

DATE

CONTRACTING OFFICER

TO: CONTRACTOR

1.  APPROVED OR  DISAPPROVED AS INDICATED AND SUBJECT TO ANY APPLICABLE COMMENTS ABOVE.
2. REQUEST PROMPT RESUBMITTAL OF **DISAPPROVED** ITEMS.

TYPED NAME

SIGNATURE

DATE

### **CONTRACTOR SUBMITTAL REVIEW PROCEDURES**

The Contractor shall submit to the Contracting Officer for approval THREE (3) copies of all shop drawings as called for under the various headings of the contract specifications. These drawings shall be complete and detailed. If approval by the Contracting Officer, each copy of the drawings will be identified as having received such approval by being stamped and dated. The Contractor shall make any corrections required by the Contracting Officer. If the Contractor considers any corrections indicated on the drawings as constituting a change to the contract drawings or specifications, notice as required under the clause entitled "Changes" will be given to the Contracting Officer. Two (2) sets of all shop drawings will be retained by the Contracting Officer and one (1) sets will be returned to the Contractor.

The approval of the drawings by the Contracting Officer shall not be construed as a complete check, but will indicate only that the general method of construction and detailing is satisfactory. Approval of such drawings will not relieve the Contractor of the responsibility for any error which may exist as the Contractor shall be responsible for the dimensions and design of adequate connections, details, and satisfactory construction of all work.

Deliver Submittals to:

Contracting Officer's Representative

GENERAL SERVICES OFFICE, US EMBASSY  
REQUEST FOR PROGRESS PAYMENT (INVOICE)

PROJECT: Contract No. \_\_\_\_\_ Name \_\_\_\_\_  
CONTRACTOR: \_\_\_\_\_  
(Name, Address)

APPLICATION DATE: \_\_\_\_\_ APPLICATION NO. \_\_\_\_\_

TO: Contracting Officer, US EMBASSY

NOTE: (Must obtain COR signature before processing)  
I hereby certify, to the best of my knowledge and belief that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract and timely payments will be made from the proceeds of the payment covered by this certification.

(3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract.

SIGN \_\_\_\_\_  
(Title)  
(Date)

CONTRACTING OFFICER: Representative's certification of receipt of services at project site. Changes to requested amount have been initiated.

Sign and Date \_\_\_\_\_  
Print phone number and mailing address of person to be notified in event the Contracting Officer finds this application to be defective.

(Address) \_\_\_\_\_  
(Phone)

PERIOD FROM: \_\_\_\_\_ TO \_\_\_\_\_

Application is made for Payment, as shown below in connection with the Contract. The present status of the account for this Contract is as follows:

ORIGINAL CONTRACT SUM . . . . .	\$ _____
NET CHANGE BY MODIFICATIONS . . . . .	\$ _____
CONTRACT SUM TO DATE . . . . .	\$ _____
TOTAL COMPLETED-STORED TO DATE . . . . .	\$ _____
RETAINAGE _____ % . . . . .	\$ _____
TOTAL EARNED LESS RETAINAGE . . . . .	\$ _____
LESS PREVIOUS PAYMENTS . . . . .	\$ _____
CURRENT PAYMENT DUE . . . . .	\$ _____

ACCOUNTING DATA

BY: \_\_\_\_\_ COR \_\_\_\_\_ DATE: \_\_\_\_\_

Approved for Payment of \$ \_\_\_\_\_

CONTINUATION SHEET FOR REQUEST FOR PROGRESS PAYMENT							CONTRACT NO. _____		APPLICATION NO. _____	
ITEM NO. A.	DESCRIPTION OF WORK B.	SCHEDULED VALUE C.	WORK COMPLETED		(1) * STORED MATERIALS F.	TOTAL COMPLETED AND STORED TO DATE G (D+E+F) %	BALANCE TO FINISH H (C-G)	RETAINAGE I.		
			PREVIOUS APPLICATIONS D.	THIS APPLICATION E.						
(1) * STORED MATERIALS - Unincorporated material delivered to the job site. Request for payment for uninstalled material delivered to the job site must be accompanied by paid invoices.										

Attachment 8

SAMPLE LETTER OF BANK GUARANTY

Place [     ]

Date [     ]

Contracting Officer

U.S. Embassy, [Post name]

[Mailing Address]

Letter of Guaranty No. \_\_\_\_\_

SUBJECT: Performance and Guaranty

The Undersigned, acting as the duly authorized representative of the bank, declares that the bank hereby guarantees to make payment to the Contracting Officer by check made payable to the Treasurer of the United States, immediately upon notice, after receipt of a simple written request from the Contracting Officer, immediately and entirely without any need for the Contracting Officer to protest or take any legal action or obtain the prior consent of the Contractor to show any other proof, action, or decision by an other authority, up to the sum of [Amount equal to 20% of the contract price in U.S. dollars during the period ending with the date of final acceptance and 10% of the contract price during contract guaranty period], which represents the deposit required of the contractor to guarantee fulfillment of his obligations for the satisfactory, complete, and timely performance of the said contract [contract number] for [description of work] at [location of work] in strict compliance with the terms, conditions and specifications of said contract, entered into between the Government and [name of contractor] of [address of contractor] on [contract date], plus legal charges of 10% per annum on the amount called due, calculated on the sixth day following receipt of the Contracting Officer's written request until the date of payment.

The undersigned agrees and consents that said contract may be modified by Change Order or Supplemental Agreement affecting the validity of the guaranty provided, however, that the amount of this guaranty shall remain unchanged.

The undersigned agrees and consents that the Contracting Officer may make repeated partial demands on the guaranty up to the total amount of this guaranty, and the bank will promptly honor each individual demand.

This letter of guaranty shall remain in effect until 3 months after completion of the guaranty period of Contract requirement.

-----  
Depository Institution: [Name]

Address:

Location: \_\_\_\_\_

Representative(s): \_\_\_\_\_

State of Inc.: \_\_\_\_\_

\_\_\_\_\_

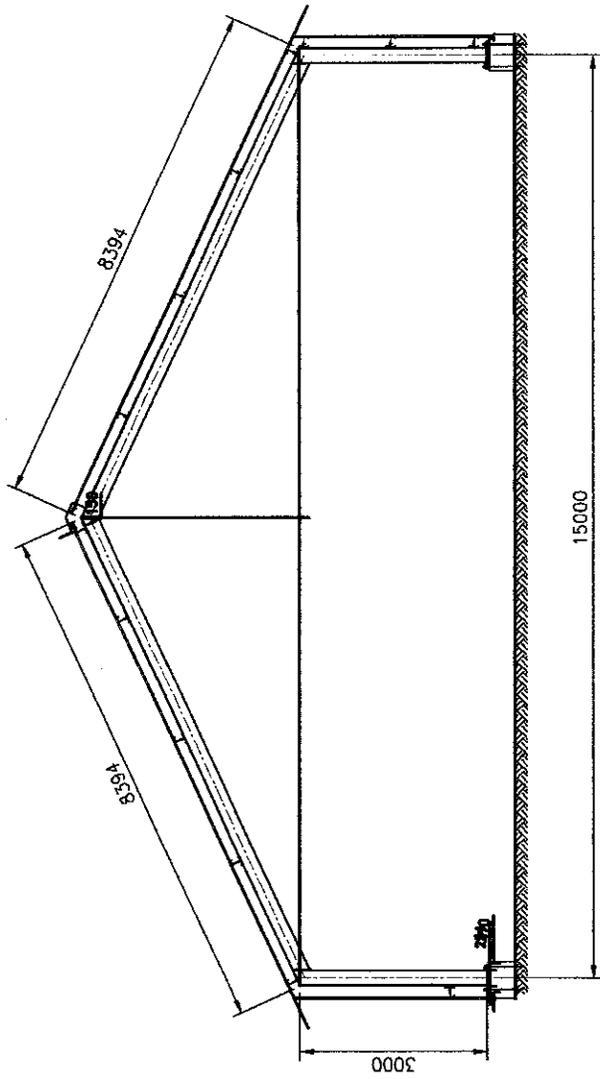
Corporate Seal:

\_\_\_\_\_

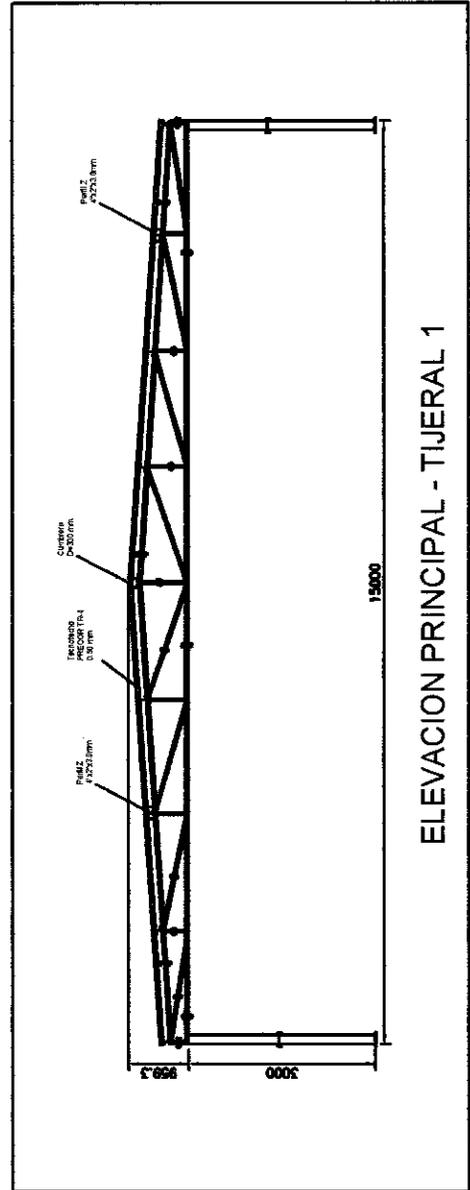
-----  
Certificate of Authority is attached evidencing authority of the signer to bind the bank to this document.







TIJERAL 1



# TR-4



Attachment 10 1/2 page

## DESCRIPCIÓN

Gama de paneles metálicos para coberturas y fachadas, con 4 trapecios que otorgan resistencia estructural, facilidad de instalación y superior acabado, ideal para edificaciones comerciales, industriales y de servicio.

## CARACTERÍSTICAS

Material : Acero Zincalume ASTM A792, AZ 150.

Espesor (e) : 0,35; 0,40; 0,45; 0,50; 0,55; 0,60; 0,75 y 0,80 mm.

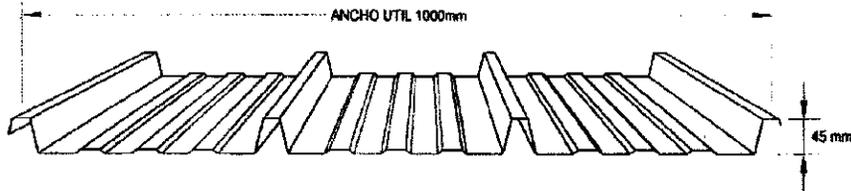
Acabado Cara Superior:

Pintura : Poliéster en polvo de espesor 50 micras.

Colores : Azul náutico, beige paracas, blanco perla, gris acero, rojo teja y verde follaje. Consulte por nuestros colores especiales.

Acabado Cara Inferior o Trascara:

Pintura : Base líquida de 10 micras.



## VENTAJAS

- Gran resistencia estructural.
- Ahorro en estructura portante.
- Resistente a la corrosión.
- Colores firmes y durables.
- Completa línea de accesorios, sellos y fijaciones.
- Fácil y rápido de instalar.

Desde 2010, esta ficha reemplaza las emitidas con anterioridad

# PRECOR

CONSTRUCCIONES METÁLICAS

PRECOR S.A.

Oficina : Av. Guardia Civil 787 San Borja

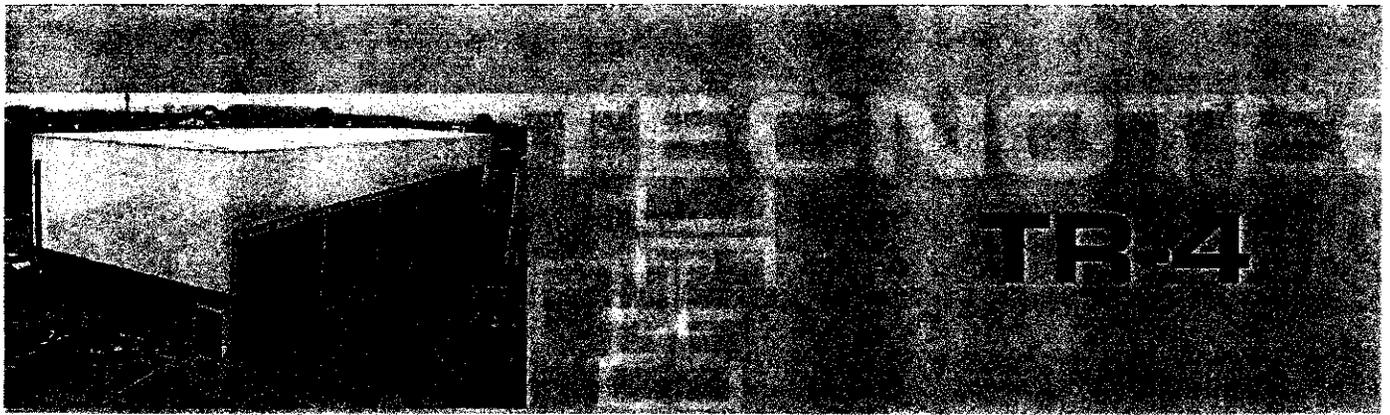
Planta : Av. Nicolás Durruti 559 Lima

Central : 418-1900

[www.precor.com.pe](http://www.precor.com.pe)



Grupo P M S



2/2 page

**TABLA DE CARGAS (Kg/m<sup>2</sup>)**

Espeor e	Peso del Panel		P									
mm	Kg / m <sup>2</sup>	L(m) =	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25
0,35 - 0,40	3,35	P (Kg / m <sup>2</sup> ) =	266	169	117	85	64	50	40	31	—	—
0,45 - 0,50	4,30	P (Kg / m <sup>2</sup> ) =	342	218	150	109	82	64	51	40	—	—
0,55 - 0,60	5,26	P (Kg / m <sup>2</sup> ) =	419	266	183	133	101	78	63	49	36	—
0,75 - 0,80	7,17	P (Kg / m <sup>2</sup> ) =	571	363	250	182	137	107	85	67	50	38

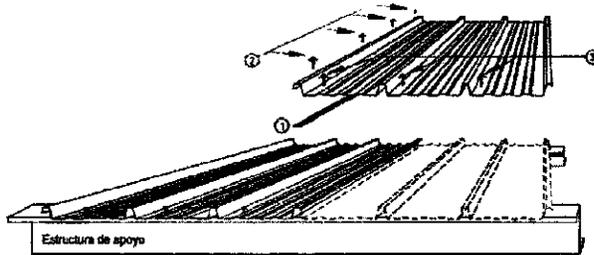
Espeor e	Peso del Panel		P									
mm	Kg / m <sup>2</sup>	L(m) =	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25
0,35 - 0,40	3,35	P (Kg / m <sup>2</sup> ) =	266	169	117	85	64	50	40	32	—	—
0,45 - 0,50	4,30	P (Kg / m <sup>2</sup> ) =	342	218	150	109	82	64	51	42	34	—
0,55 - 0,60	5,26	P (Kg / m <sup>2</sup> ) =	419	266	183	133	101	78	63	51	42	35
0,75 - 0,80	7,17	P (Kg / m <sup>2</sup> ) =	571	363	250	182	137	107	85	69	57	48

Espeor e	Peso del Panel		P									
mm	Kg / m <sup>2</sup>	L(m) =	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25
0,35 - 0,40	3,35	P (Kg / m <sup>2</sup> ) =	334	212	146	107	81	63	51	41	34	—
0,45 - 0,50	4,30	P (Kg / m <sup>2</sup> ) =	429	273	188	137	104	81	65	53	44	37
0,55 - 0,60	5,26	P (Kg / m <sup>2</sup> ) =	525	334	230	168	127	99	80	65	54	45
0,75 - 0,80	7,17	P (Kg / m <sup>2</sup> ) =	715	455	314	229	173	136	108	88	73	61

\* Acero zincado ASTM A792, AZ 150.  
 \* Las cargas se han calculado considerando que la sección es totalmente efectiva y que la deflexión máxima por carga viva es L/200.  
 \* Las cargas vivas son notas. El peso propio del panel ha sido incluido en la verificación de resistencia y deflexión.  
 \* Largo del panel hasta 12m.

**DETALLE DE INSTALACIÓN**



1. Cinta butil 3/8" a lo largo del trasape.
2. Tornillo autoroscante #8x3/4" punta fina cada 750mm max., sobre trasape longitudinal.
3. Tornillo autopercorante #10x3/4" punta broca, sobre estructura de apoyo.

Nota: Nuestros paneles vienen provistos de una película plástica de protección que debe ser retirada una vez terminado el proceso de instalación. Caso contrario, el sol, la humedad y la intemperie vulcanizarán la película plástica y se pegará al panel causando daños irreversibles a la pintura.

Enero 2010, esta ficha reemplaza las emitidas con anterioridad



PRECOR S.A.  
 Oficina : Av. Guardia Civil 787 San Borja  
 Planta : Av. Nicolás Dueñas 559 Lima  
 Central : 418-1900  
[www.precor.com.pe](http://www.precor.com.pe)



Grupo ODESA

# Attachment M

## SPECIFICATIONS OF STRUCTURAL AND MISCELLANEOUS METALS

### 1.0 GENERAL

This general specification establishes the quality of materials and workmanship and defines how quality is measured for furnishing, detailing, fabricating, delivering and erection of structural steel and miscellaneous metal.

#### 1.1 Other related specifications:

- 05500 - Metal Fabrications
- 05521 - Pie and tube Railings
- 05720 - Ornamental Handrails and Railings

### 2.0 ABREVIATIONS

The abbreviations listed below shall mean:

- AISC American Institute of Steel Construction
- ASTM American Society for Testing and Materials
- AWS American Welding Society
- SSPC Steel Structures Painting Council

### 3.0 CODES AND STANDARDS

Unless otherwise specified or shown, the latest revision or edition of the following codes, standards and specifications shall apply to the extent indicated herein:

	AISC S302	Code of Standard Practice for Steel Buildings and Bridges
	AISC S329	Allowable Stress Design Specification for Structural Joints Using STM A325 or A490
Bolts	AISC S335	Specification for Structural Steel Buildings - Allowable Stress design and Plastic Design with Commentary
	AISC M013	Detailing for Steel Construction
	AISC M014	Engineering for Steel Construction a Source Book on Connections
	AISC M016	Manual of Steel Construction, Allowable Stress Design (Ninth Edition)
	ASTM A 6	Specification for General Requirements for Rolled Steel Plates, Shapes, Sheet Piling and Bars for Structural use.
	ASTM A 36	Specification for Carbon Structural Steel
	ASTM A 53	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc Coated, Welded and Seamless
	ASTM A 307	Specification for carbon Steel Bolts and Stud, 60,000 psi Tensile Strength
	ASTM A 325	Specification for Steel Bolts, Steel, Heat Tread, 120/105 ksi Minimum Tensile Strength
	ASTM A 570	Specification for Steel, Sheet and Strip, Carbon, Hot-Rolled Structural Quality
	ASTM F 436	Specification for Hardened Steel Washers
	AWS D1.1	Structural Welding Code- Steel
	AWS D1.3	Structural Welding Code- Sheet Steel
	SSPC SP-6	Commercial Blast Cleaning
	SSPC SP-8	Pickling Steel Surfaces

### 4.0 MATERIALS

4.1 Structural steel and field connection material shall be as defined in AISC S302.

- 4.2 All materials shall be new stock. Materials shall be in accordance with the ASTM specifications referenced herein unless otherwise shown. Substitute equal materials may be proposed for approval.
- 4.3 Structural steel shapes, plates and bars shall conform to ASTM A 36, except for cold-formed steel which shall conform to ASTM A 570, Grade 36.
- 4.4 Pipe and steel anchor bolt sleeves shall conform to ASTM A 53, seamless pipe.
- 4.5 High strength bolts and nuts shall conform to ASTM A 325 and Unfinished standard machine bolts shall conform to ASTM A 307.
- 4.6 Washers for use with high strength bolts shall conform to ASTM F 436.
- 4.7 Welding electrodes shall conform to the requirements of AWS D1.1 and be as follows:
- |                           |                        |
|---------------------------|------------------------|
| Shielded Metal Arc (SMAW) | AWS A5.1<br>E70XX      |
| Submerged Arc (SAW)       | AWS A5.17<br>F7XX-EXXX |
- 4.8 Miscellaneous Metals include tube railings, railings, bollards, all embeds, connections, steel supports, box rib siding, metal roofing material and elevator hook/beam.

5.0 CONNECTIONS

- 5.1 Connections shall be detailed for shop welding and field bolting. High strength bolts shall be used for bolted connections for connecting all main structural members.
- 5.2 Unfinished bolts conforming to ASTM A 307 shall be used for connecting all purlins, girts unless otherwise required.
- 5.3 Field welded connections shall be provided only as shown.

6.0 HIGH-STRENGTH BOLTING

- 6.1 The design, installation, and inspection of high-strength bolted joints shall be in accordance with AISC S329, and the following provisions:
- 6.2 High strength bolts shall be 3/4" unless noted otherwise and shall be designed as bearing type (N). Only where specifically shown on design drawings shall connections be designed for slip critical bolting.
- 6.3 All bolted connections shall be designed with threads included in the shear plane, unless otherwise shown.
- 6.4 High-strength bolted connections shall be made in accordance with provisions of AISC S329.
- 6.5 A hardened washer shall be used under the nut.
- 6.6 During assembly, all joint surfaces, including those adjacent to the bolt heads, nuts or washers, shall be free

of burrs, dirt and other foreign material that would prevent solid seating of parts

- 6.7 ASTM A 325 bolts shall not be reused after having once been tightened, and the splined tip has sheared off. Loosened or removed bolts shall be discarded away from the work area.

## 7.0 WELDING

Welding procedures shall be in accordance with AWS D1.1 or AWS D1.3 as applicable. Unless otherwise shown, nondestructive testing other than visual examination shall not be required. Where applicable, design drawings will stipulate the welds to be given nondestructive tests other than visual examination, the extent of each type of test for each weld, and the method of testing.

## 8.0 DETAILING AND FABRICATION

- 8.1 Unless otherwise specified or shown, detailing and fabrication shall conform to AISC S335, AISC S302, AISC M013, and to AISC M014. The provisions of AISC M013 and M014 shall be modified as required to incorporate the provisions of AISC S335.

- 8.2 All working points, as indicated, shall be adhered to in the detailing of the work.

- 8.3 Connections shall be detailed for axial loads, moments and shears as follows:

8.3.1 Framed beam connections not subject to moments and axial forces, where vertical reactions or shears are not indicated on design drawings, shall be detailed for a vertical load of half the total uniform load capacity shown in the beam tables in AISC M016, "Manual of Steel Construction ASD", Part 2. All connections shall be in accordance with Table I and Table III (Case 1) in Part 4 of the same manual.

8.3.2 Connections subject to moments, axial forces and shears shall require the following to be shown in the calculations:

- a. Vectorial indication of moments and forces.
- b. Computations substantiating the number of bolts, size and length of welds and thicknesses of connecting materials.

- 8.4 All members shall be prefabricated into sub-assemblies to facilitate field erection. Structures and components such as trusses, combined columns and beams shall be shop fabricated to form sub-assemblies of the largest practical size suitable for transportation, handling and erection. The maximum size of the sub-assemblies shall be subject to approval.

- 8.5 Pieces shall be well formed to the shapes and sizes shown. Shearing and punching shall produce true, clean fins and surfaces. No torch cutting shall be done on exposed work unless the surface is machined or ground smooth.

- 8.6 Items where accuracy of dimension, alignment or clearance is critical shall be pre-assembled in the shop and checked for compliance with the requirements. Any errors or discrepancies found shall be corrected before delivery.

- 8.7 Mechanically operating devices, such as hinges and hasps shall operate smoothly.

- 8.8 Substitution of structural steel sections or modifications of design details shall be made only when is approved.

9.0 SHOP DETAIL DRAWINGS

- 9.1 Design drawings will be used as a basis for detailing only when signed "Issued for Construction."
- 9.2 The following shop detail drawings and erection diagrams shall be submitted to review.
- a. Erection diagrams showing clearly the marking and position of each member and sub-assembly for field erection.
  - b. Shop details of all members and their connections.
  - c. Bolt schedules for erection.
- 9.3 Titles of the shop detail drawings and erection diagrams shall correspond with those of the design drawings.
- 9.4 Each shop detail drawing shall include a material list of all items included on that sheet, and the calculated weight of the material thereon detailed, including stiffeners, connection plates and angles. As an alternative, this information can be shown on a separate sheet referred to in the detail drawing.
- 9.5 All shop detail drawings and erection diagrams shall bear review stamp before the fabrication of any materials is commenced.

10.0 PAINTING

Preparation and painting of structural steel shall be in compliance with the following specifics:

- 10.1 Preparation of structural steel shall be in accordance with paint manufacturer's latest published instructions and the following:
- 10.1.1 Remove weld spatter, slag, and oxides caused from welding.
  - 10.1.2 Provide at least an abrasive blast cleaning to a commercial finish in accordance with SSPC SP-6 to obtain a 25-75 micron (1-3 mils) blast profile.
- 10.2 All structural steel items shall be given a shop prime coat of inorganic zinc, and in addition a shop finish coat of acrylic paint, as noted. The paint materials shall all be from the same manufacturer and shall be one of the following products, or approved equal.
- 10.2.1 The prime coat shall be gray and shall be applied in one coat to a dry film thickness of 65 to 90 microns (2.5 to 3.5 mils), strictly in accordance with the manufacturer's latest published instructions.

Manufacturer	Prime Coat
1. Carboline	Carbo Zinc 11
2. Ameron	Dimetcote 9 (Grey)

- 10.2.2 Handrail, stair tread nosings, ladders, and outdoor structural steel shall be furnished with a finish coat. The finish coat shall be a durable acrylic paint in a thickness sufficient to hide the prime coat (generally 50 - 75 microns (2 - 3 mils)).
- | Manufacturer | Prime Coat     |
|--------------|----------------|
| 1. Carboline | Carboline 3359 |
| 2. Ameron    | Amercoat 220   |

10.3 Touch-up paint shall be furnished in sufficient amount for field touch-up.

## 10.0 ERECTION

### 11.1 General

11.1.1 Unless otherwise specified or shown on the design, shop detail and erection drawings, erection of structural steel shall conform to AISC S302 and AISC S326.

11.1.2 All temporary bracings, supports and guys shall be designed and erected to take care of all loads to which the structure may be subjected during erection, including wind forces, weight of materials and equipment, and stresses due to operation of equipment. Such bracings, supports and guys shall be left in place as long as required for safety.

### 11.2 Alignment and Fitting

11.2.1 Each part of the structure shall be properly aligned before completing field connections.

11.2.2 All members in completed frames shall be true to line and free of bends, twists and open joints.

11.2.3 Use of fitting up bolts and drift pins to bring improperly fabricated members and parts into place so as to cause a strain on bolts in finished work shall not be allowed. Drift pins shall not be driven with such force as to deform adjacent metal.

11.2.4 No packing, shimming, or wedging will be permitted to correct imperfect work, unless so directed.

11.2.5 Minor misfitting shall be remedied and corrected by a moderate amount of reaming, slight cutting and chipping as directed. All shop errors shall be reported and the proposed method of correction shall be submitted for approval.

11.2.6 Plumbing of steel and tightening of bolts shall follow as early as possible behind erection.

11.2.7 Damage caused by handling during erection shall be reported. Corrective measures shall be submitted for approval.

### 11.3 Erection Tolerances

11.3.1 Erection tolerances shall be in accordance with AISC S302.

11.3.2 Overall dimensions of structural steel frames shall be considered as being within the limits of these specifications when the cumulative effect of a), b), and c), as follows, are not exceeded:

a) Detailed erection clearances

b) Fabrication tolerances for finished parts as specified in AISC S302.

c) Rolling tolerances for profile dimensions permitted under ASTM A6.

11.3.3 Individual members of structural steel frames shall be considered as being plumb, level and aligned when the deviation to the dimensions shown does not exceed one in five hundred.

## 12.0 TOUCH-UP PAINTING

12.1 After completing erection, surfaces where paint was omitted for field welding, field bolts and all areas damaged subsequent to shop priming and finish coating shall be repaired, cleaned and touch-up painted with the same color, so that all structural steel is completely coated.

- 12.2 The surfaces to receive touch-up painting shall be cleaned and prepared in accordance with the manufacturer's printed instructions and shall be well worked into all areas receiving the touch-up paint.

### 13.0 GROUTING OF BASE PLATES

- 13.1 Contractor shall grout column base planes after acceptance of alignment and plumb by Supervisor. Grout shall be a non-shrink type and be a premixed product of approved, standard manufacture or job mixed grout utilizing an approved, expanding- type aggregate of standard manufacture. Grout shall be mixed, placed and cured in accordance with the grout or aggregate manufacturer's instructions. Grout shall be non-staining and shall be suitable for the intended purpose.
- 13.2 Prior to the base plate being set, all defective concrete and laitance shall be removed from the concrete surface to be grouted by chipping or other approved means. The resulting surface shall be rough and free of oil, grease, dirt and loose particles.
- 13.3 Prior to grouting, the concrete surface shall be saturated with water for a minimum of 6 hours. Just before grouting, all free water shall be removed from the surfaces, keys and sleeves which are to be grouted.
- 13.4 Grouting procedures shall ensure placement of grout under entire surface of base plate and avoid possible formation of air pockets or voids by sufficient compaction.