

July 01, 2016

Dear Offerors,

SUBJECT: RFQ Number S-PK330-16-Q-5818 for repair of kitchen of one of the residence located in Sector F-7 of Islamabad

The Embassy of the United States of America invites you to submit a quotation for repair of kitchen of one of the residence located in Sector F-7 of Islamabad as described in the Scope of Work (SOW).

If you are interested in submitting a quotation for this project, read the instructions in Section J and L of the attached Request for Quotation (RFQ). Go through all the documents in the solicitation package. The Embassy intends to conduct a site visit (see J. C, 52.236-27). **The site visit will be held on July 15, 2016 at 10:00 a.m.** Offerors interested in attending must e-mail: [Shahzadk2@state.gov](mailto:Shahzadk2@state.gov) and [LatifM@state.gov](mailto:LatifM@state.gov) on or before **1400 noon July 13, 2016**. A maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide full name of participant(s) (as written on CNIC), CNIC number and particulars of vehicle to be used such as make, model, color and registration number.

Your quotation must be submitted through courier in a sealed envelope marked "**Quotation Enclosed (SPK-330-16-Q-5818)**" to **GSO Procurement, American Embassy, Ramna-5, Islamabad on or before 1500 hrs on July 26, 2016**. No quotation will be accepted after this time.

Complete the OFFER portion of the Standard Form 1442, including all blank spaces, and have the form signed by an authorized representative of your company, or the proposal may be considered unacceptable and may be rejected.

In order for a quotation to be considered, you must also complete and submit the following:

1. Section B and Attachment 2: Quotation Breakdown by Divisions.
2. Section K, Representations and Certifications;
3. Bar Chart illustrating sequence of work to be performed;
4. Additional information as required in Section L.

Please direct any questions regarding this solicitation to **John Langer** by letter or by telephone **92-51-201-5221** during regular business hours.

Sincerely,

**John Langer**  
Contracting Officer

<b>SOLICITATION, OFFER, AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. <b>SPK330-16-Q-5818</b>	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED July 01, 2016	PAGE OF PAGES 1/59
	<b>IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.</b>			

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. <b>5201316</b>	6. PROJECT NO. Repair of kitchen of one of the residence located in Sector F-7 of Islamabad
7. ISSUED BY <b>Contracting Officer, GSO-Procurement &amp; Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan</b>	CODE	8. ADDRESS OFFER TO <b>SPK330-16-Q-5818 Contracting Officer, GSO-Procurement &amp; Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan</b>
9. FOR INFORMATION CALL: <b>→</b>	A. NAME <b>John Langer</b>	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) <b>+92-51-201-5221</b>

**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):

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- 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: Sample Bank Letter of Guarantee (1 page)
- Attachment 2: Breakdown of Price by Divisions of Specifications (1 page)
- Attachment 3: Drawing
- Attachment 4: Scope of Work (SOW) (35 pages)

11. The Contractor shall begin performance within 10 calendar days and complete it within 45 working days after receiving  award,  notice to proceed. This performance period is  mandatory,  negotiable. (See \_\_\_\_\_.)

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? <i>(If "YES," indicate within how many calendar days after award in Item 12B.)</i> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS  10 Days After award
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13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 02 copies to perform the work required are due at the place specified in Item 8 by **1500** (hour) local time on **July 26, 2016**. 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 **60** 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)
CODE	16. REMITTANCE ADDRESS (Include only if different than Item 14)
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 <input type="checkbox"/> 10 U.S.C. 2304(c)( ) <input type="checkbox"/> 41 U.S.C. 253(c)( )	
26. ADMINISTERED BY <b>Contracting Officer, U.S Embassy, Diplomatic Enclave, Ramna-5 Islamabad</b>	CODE <b>GSO</b>	27. PAYMENT WILL BE MADE BY <b>Financial Management Officer (FMO) U.S Embassy, Diplomatic Enclave, Ramna-5 Islamabad</b>	

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

<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> 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	31B. UNITED STATES OF AMERICA
30C. DATE	31C. AWARD DATE
	BY

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STANDARD FORM 1442 BACK (REV. 4-85)

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SF-1442 COVER SHEET

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Attachment 1: Sample Letter of Bank Guaranty

Attachment 2: Breakdown of Price by Divisions of Specifications

Attachment 3: Drawings

Attachment 4: Scope of Work

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, all insurances, overhead and profit.

Total Price (including all labor, materials, overhead and profit)	
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A.1 VALUE ADDED TAX

Value added tax is not applicable to this contract as it is not levied in Pakistan. All other applicable taxes are responsibility of the contractor.

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.

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 Ten (10) 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 after issuance of Notice to Proceed.

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

52.211-12 LIQUIDATED DAMAGES - CONSTRUCTION (SEPT 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 **PKR 10,000.00** 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 "**Ten (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 **0800 – 1630 hrs, from Monday through Friday**. 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 10 days after contract award at **US Embassy, Islamabad** 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>Deliver Date</u>	<u>Deliver To</u>
Section G. Securities/Insurance	1	10 days after award	CO
Section E. Construction Schedule	1	10 days after award	COR
Section E. Preconstruction Conference	1	10 days after award	COR
Section G. Personnel Biographies	1	10 days after award	COR
Section F. Payment Request	1	Last calendar day of each month	COR
Section D. Request for Substantial Completion	1	15 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 **Senior Facilities Engineer, US Embassy, Islamabad.**

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.

***For Prompt Payment Act purposes, use the FMO's address. The FMO will receive invoices, log them in, and forward to the COR for review and approval]***

Financial Management Officer, U.S Embassy, Diplomatic Enclave, Ramna-5, Sector G-5, Islamabad
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Invoices can also be sent through email at:
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<a href="mailto:Islamabadfmc-invoice@state.gov">Islamabadfmc-invoice@state.gov</a>
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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 20% of the contract price in the form of bonds, irrevocable letters of credit, insurance guarantee or bank guarantees.

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, IN U.S. DOLLARS	
Per Occurrence	<b>50,000 PKR</b>
Cumulative	<b>250,000 PKR</b>
(2) PROPERTY DAMAGE, ON OR OFF THE SITE, IN U.S. DOLLARS	
Per Occurrence	<b>50,000 PKR</b>
Cumulative	<b>250, 000 PKR</b>

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 14 days to perform. For each individual the list shall include:

- Full Name
- Place and Date of Birth
- Current Address
- Identification number
- Copy of Valid Computerized National Identity Card issued by GOP along with verification from NADRA

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

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://www.acquisition.gov/far/> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov/> to access links to the FAR. You may also use an internet "search engine" (for example, Google, Yahoo, Excite) to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation clause(s) is/are incorporated by reference (48 CFR CH. 1):

<u>CLAUSE</u>	<u>TITLE AND DATE</u>
52.202-1	DEFINITIONS (NOV 2013)
52.204-9	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (OCT 2015)
52.204-12	DATA UNIVERSAL NUMBERING SYSTEM NUMBER MAINTENANCE (DEC 2012)
52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JULY 2013)
52.204-19 (DEC 2014)	INCORPORATION BY REFERENCE OF REPRESENTATIONS AND CERTIFICATIONS
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED OR PROPOSED FOR DEBARMENT (OCT 2015)
52.209-9	UPDATES OF INFORMATION REGARDING RESPONSIBILITY MATTERS (JULY 2013)
52.213-4	TERMS AND CONDITIONS –SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS) (FEB 2016)
52.216-7	ALLOWABLE COST AND PAYMENT (JUN 2013)
52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)
52.222-19 (FEB 2016)	CHILD LABOR – COOPERATION WITH AUTHORITIES AND REMEDIES
52.222-50	COMBATING TRAFFICKING IN PERSONS (FEB 2009)
52.223-18	ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE

- DRIVING (AUG 2011)
- 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUNE 2008)
- 52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT (FEB 2000)
- 52.225-19 CONTRACTOR PERSONNEL IN A DESIGNATED OPERATIONAL AREA OR SUPPORTING A DIPLOMATIC MISSION OUTSIDE THE UNITED STATES (MAR 2008)
- 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 (JAN 2012)
- 52.228-13 ALTERNATIVE PAYMENT PROTECTION (JULY 2000)
- 52.228-14 IRREVOCABLE LETTER OF CREDIT (NOV 2014)
- 52.229-6 TAXES - FOREIGN FIXED-PRICE CONTRACTS (FEB 2013)
- 52.229-7 TAXES- FIXED PRICE CONTRACTS WITH FOREIGN GOVERNMENTS (FEB 2013)
- 52.232-5 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (MAY 2014)
- 52.232-8 DISCOUNTS FOR PROMPT PAYMENT (FEB 2002)
- 52.232-11 EXTRAS (APR 1984)
- 52.232-18 AVAILABILITY OF FUNDS (APR 1984)
- 52.232-22 LIMITATION OF FUNDS (APR 1984)
- 52.232-25 PROMPT PAYMENT (JULY 2013)
- 52.232-27 PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS (MAY 2014)
- 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER - SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
- 52.232-34 PAYMENT BY ELECTRONIC FUNDS TRANSFER – OTHER THAN SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
- 52.233-1 DISPUTES (MAY 2014) *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 (JUN 2007)
- 52.243-5 CHANGES AND CHANGED CONDITIONS (APR 1984)
- 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS (FEB 2016)
- 52.245-2 GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES (APR 2012)
- 52.245-9 USE AND CHARGES (APR 2012)
- 52.246-12 INSPECTION OF CONSTRUCTION (AUG 1996)
- 52.246-17 WARRANTY OF SUPPLIES OF A NONCOMPLEX NATURE (JUN 2003)
- 52.246-21 WARRANTY OF CONSTRUCTION (MAR 1994)
- 52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (APR 2012) *Alternate I (SEPT 1996)*

52.249-10 DEFAULT (FIXED-PRICE CONSTRUCTION) (APR 1984)

52.249-14 EXCUSABLE DELAYS (APR 1984)

The following Department of State Acquisition Regulation (DOSAR) clause(s) is/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)

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.

(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 e-mail 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)

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

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

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

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

(End of 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.

(End of clause)

I. LIST OF ATTACHMENTS

ATTACHMENT NUMBER	DESCRIPTION OF ATTACHMENT	NUMBER OF PAGES
Attachment 1	Sample Bank Letter of Guaranty	1
Attachment 2	Breakdown of Price by Divisions of Specifications	1
Attachment 3	Drawings	0
Attachment 4	Statement of Work	35

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:		
VOLUME	TITLE	NUMBER OF COPIES*
I	Standard Form 1442 including a completed Attachment 4, "BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS	02
II	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal	03

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

<b>RFQ No: SPK330-16-Q-5818</b>
<b>CONTRACTING OFFICER</b>
<b>GSO-PROCUREMENT &amp; CONTRACTING UNIT</b>
<b>U.S. EMBASSY, DIPLOMATIC ENCLAVE, RAMNA-5</b>
<b>ISLAMABAD</b>

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.

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

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

(b) A site visit has been scheduled for Friday July 13, 2016 at 10AM.

(c) Address will be communicated later to interested companies via reply to their expression of interest email to below stated email addresses.

(d) Maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide with full name of participant(s) (as written on NIC), NIC number and particulars of vehicle to be used (make, model, color and registration). Offerors interested in attending must e-mail on or before **12.00 noon July 13, 2016:**

[Shahzadk2@state.gov](mailto:Shahzadk2@state.gov) and [LatifM@state.gov](mailto:LatifM@state.gov)

D. MAGNITUDE OF CONSTRUCTION PROJECT

It is anticipated that the range in price of this contract will be: Under **2,500,000.00 PKR**

E. LATE QUOTATIONS. Late quotations shall be handled in accordance with FAR.

F. 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates the following provisions 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. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer.

Also, the full text of a solicitation provision may be accessed electronically at: <http://acquisition.gov/far/index.html> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov> to access the link to the FAR, or use of an Internet "search engine" (for example, Google, Yahoo or Excite) is suggested to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation provisions are incorporated by reference (48 CFR CH. 1):

<u>PROVISION</u>	<u>TITLE AND DATE</u>
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JULY 2013)
52.204-7	SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
52.204-16	COMMERCIAL AND GOVERNMENT ENTITY CODE REPORTING (JUL 2015)
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR 1991)
52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (JAN 2004)

K. EVALUATION CRITERIA

Award will be made to the lowest priced, acceptable, responsible quoter. The Government reserves the right to reject quotations that are unreasonably low or high in price.

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

- ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;
- satisfactory record of integrity and business ethics;
- necessary organization, experience, and skills or the ability to obtain them;
- necessary equipment and facilities or the ability to obtain them; and
- otherwise, qualified and eligible to receive an award under applicable laws and regulations.

The following DOSAR is provided in full text:

652.209-79 REPRESENTATION BY CORPORATION REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CRIMINAL CONVICTION UNDER ANY FEDERAL LAW (SEPT 2014) (DEVIATION per PIB 2014-21)

(a) In accordance with section 7073 of Division K of the Consolidated Appropriations Act, 2014 (Public Law 113-76) none of the funds made available by that Act may be used to enter into a contract with any corporation that –

(1) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency has direct knowledge of the conviction, unless the agency has considered, in accordance with its procedures, that this further action is not necessary to protect the interests of the Government; or

(2) Has any unpaid Federal tax liability that has been assessed for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency has direct knowledge of the unpaid tax liability, unless the Federal agency has considered, in accordance with its procedures, that this further action is not necessary to protect the interests of the Government.

For the purposes of section 7073, it is the Department of State's policy that no award may be made to any corporation covered by (1) or (2) above, unless the Procurement Executive has made a written determination that suspension or debarment is not necessary to protect the interests of the Government.

(b) Offeror represents that—

(1) It is [ ] is not [ ] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

(2) It is [ ] is not [ ] a corporation that has any unpaid Federal tax liability that has been assessed for

which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

(End of provision)

SECTION L - REPRESENTATIONS, CERTIFICATIONS AND  
OTHER STATEMENTS OF OFFERORS OR QUOTERS

L.1 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

"Common parent", as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)", as used in this provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision in order to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325 (d), reporting requirements of 26 USC 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments

(c) otherwise due under the contract.

(d) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 USC 7701( c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(e) Taxpayer Identification Number (TIN).

TIN: \_\_\_\_\_

- TIN has been applied for.
- TIN is not required because:
  - Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;
  - Offeror is an agency or instrumentality of a foreign government;
  - Offeror is an agency or instrumentality of the Federal Government.

(e) Type of Organization.

- Sole Proprietorship;
- Partnership;
- Corporate Entity (not tax exempt);
- Corporate Entity (tax exempt);
- Government Entity (Federal, State or local);
- Foreign Government;
- International organization per 26 CFR 1.6049-4;
- Other \_\_\_\_\_.

(f) Common Parent.

Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.

Name and TIN of common parent:

Name \_\_\_\_\_

TIN \_\_\_\_\_

(End of provision)

L.2 52.204-8 - Annual Representations and Certifications (Feb 2016)

(a) (1) The North American Industry classification System (NAICS) code for this acquisition is/are: **236118**

**- Construction Management, residential remodeling**

**236220 - Construction Management, commercial and institutional building or Warehouse construction**

**237110 - Construction Management, water and sewage line and related structures**

**237310 - Construction Management, highway road, street or bridge**

**237990 - Construction Management, outdoor recreation facility**

(2) The small business size standard is **\$36.5 Million USD**.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) (1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certification in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (d) applies.

(ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) (1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations—Representation.

(vi) 52.209-5; Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.209-11, Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.

(viii) 52.214-14, Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(ix) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(x) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(xi) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xii) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiv) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xvi) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA- designated items.

(xvii) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xviii) 52.225-4, Buy American--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at 52.225- 3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$77,533, the provision with its Alternate II applies.

(D) If the acquisition value is \$79,507 or more but is less than \$100,000, the provision with its Alternate III applies.

(xix) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xx) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan-- Certification. This provision applies to all solicitations.

(xxi) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certification. This provision applies to all solicitations.

(xxii) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

  X   (i) 52.204-17, Ownership or Control of Offeror.

     (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

     (iii) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

     (iv) 52.222-52 Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.

\_\_\_ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).

\_\_\_ (vi) 52.227-6, Royalty Information.

\_\_\_ (A) Basic.

\_\_\_ (B) Alternate I.

X (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(c) The offeror has completed the annual representations and certifications electronically via the SAM Web site accessed through <https://www.acquisition.gov>. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of Provision)

L.3. 52.225-18 *Place of Manufacture (SEPT 2006)*

(a) Definitions. *As used in this clause—*

*“Manufactured end product” means any end product in Federal Supply Classes (FSC) 1000-9999, except—*

- (1) FSC 5510, Lumber and Related Basic Wood Materials;*
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;*
- (3) FSG 88, Live Animals;*
- (4) FSG 89, Food and Related Consumables;*
- (5) FSC 9410, Crude Grades of Plant Materials;*
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;*
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;*
- (8) FSC 9610, Ores;*
- (9) FSC 9620, Minerals, Natural and Synthetic; and*
- (10) FSC 9630, Additive Metal Materials.*

“Place of manufacture” means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1)  In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2)  Outside the United States.

(End of provision)

**L.4 AUTHORIZED CONTRACTOR ADMINISTRATOR**

If the offeror does not fill-in the blanks below, the official who signed the offer will be deemed to be the offeror's representative for Contract Administration, which includes all matters pertaining to payments.

Name:
Telephone Number:
Address:

**[Proposal Note: If the bidder/offeror has indicated “yes” in blocks (a)(1), (2), or (3) of the following provision, the bidder/offeror shall include Defense Base Act insurance costs covering those employees in their proposed prices. The bidder/offeror may obtain DBA insurance directly from any Department of Labor approved providers at the DOL website at <http://www.dol.gov/owcp/dlhwc/lscarrier.htm>.]**

**L.5 652.228-70 DEFENSE BASE ACT – COVERED CONTRACTOR EMPLOYEES (JUN 2006)**

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

<u>Category</u>	<u>Yes/No</u>	<u>Number</u>	
(1) United States citizens or residents			
(2) Individuals hired in the United States, regardless of citizenship			
(3) Local nationals or third country nationals where contract performance takes place in a country where there are no local workers’ compensation laws		local nationals:	
		third-country nationals:	
(4) Local nationals or third country nationals where contract performance		local nationals:	

takes place in a country where there are local workers' compensation laws		third-country nationals:	
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(b) The Contracting Officer has determined that for performance in the country of Pakistan –

- ✓ Workers' compensation laws exist that will cover local nationals and third country nationals.

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

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

(d) RESERVED

(End of provision)

ATTACHMENT # 1 - SAMPLE LETTER OF BANK GUARANTY

Place [        ]  
Date [        ]

Contracting Officer  
U.S. Embassy, **Islamabad**  
**Ramna-5, Diplomatic Enclave**

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: \_\_\_\_\_  
Representatives: \_\_\_\_\_ Location: \_\_\_\_\_  
State of Inc.: \_\_\_\_\_  
Corporate Seal: \_\_\_\_\_

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

ATTACHMENT # 2 - UNITED STATES DEPARTMENT OF STATE  
BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS

(1) DIVISION/DESCRIPTION (2) LABOR (3) MATERIALS (4) OVERHEAD  
(5) PROFIT (6) TOTAL

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1. General Requirements  
2. Site Work

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3. Concrete  
4. Masonry

---

5. Metals  
6. Wood and Plastic

---

7. Thermal and Moisture  
8. Doors and Windows

---

9. Finishes  
10. Specialties

---

11. Equipment  
12. Furnishings

---

13. Special Construction  
14. Conveying Systems

---

15. Mechanical  
16. Electrical

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TOTAL: PKR:

Allowance Items:

PROPOSAL PRICE: PKR:

TOTAL: **PKR:**

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Alternates (list separately; do not total):

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**Offeror:** \_\_\_\_\_ **Date** \_\_\_\_\_

PRICE BREAKDOWN BY DIVISION OF SPECIFICATION ITEMS

ATTACHMENT # 3 – DRAWINGS

ATTACHMENT # 4  
**STATEMENT OF WORK**  
KITCHEN REPAIRS PROJECT

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**1.0 BACKGROUND AND PURPOSE:**

As part of the US Embassy Islamabad program for repairs of Government Owned residences in the city, this project consists of: repair and replacement of the existing Kitchen and adjacent Laundry / Storage, as required to meet specified standards and in accordance with the drawings and specifications attached, for completion of all the work described herein. See APPENDIX (Section 8.0) for attachments.

**2.0 LOCATION:**

Contractor shall carry out the required work at the following residence address: F7/3, Islamabad. The existing residential and annex building structures consist of: brick masonry walls and reinforced concrete floor and roof slabs, fitted with standard kitchen cabinetry, fixtures and equipment.

**3.0 GENERAL REQUIREMENTS:**

**3.1** Contractor shall execute the required work in a diligent manner in accordance with a fixed performance period of forty (45) working days, or such time frame as requested/advised by Contractor and approved by COR.

**3.2** Contractor shall submit evidence of previous work that demonstrates their knowledge and expertise in constructing similar work, as stated in Scope of Services, which shall be required as part of the Technical Evaluation.

**3.3** Contractor shall be required to prepare Timeline Schedules of planning/phasing of work, and cost estimates. These documents, shall be required as part of Technical Evaluation, and shall provide the necessary interfaces, coordination and communication between the COR and the Contractor.

**3.4** In addition, Contractor shall be required to prepare reports, bill of materials, quality control schedules and construction costs to provide the necessary interfaces, coordination, and communication between the COR and Contractor for the delivery of completed project.

**3.5** Contractor shall ensure that all work is performed at the appropriate time and that no work completed is hindering other aspects of the job or being impacted (damaged, dirtied, etc.) by any subsequent phase of work.

**3.6** Contractor shall repair any damage to existing infrastructure caused as a result of construction.

**3.7** Contractor shall be responsible for field verifying all dimensions and spot elevations of existing and proposed Main Gate and Paving during pre-bid meeting and/or site visit, at which time COR will point out further specifics of the job.

**3.8** Contractor shall submit an access request for all personnel, equipment and vehicles, to the Chancery RSO for approval, and shall obey RSO's security directives at all times.

**3.9** ***The Contractor shall have limited access and not be admitted into the actual residence outside the areas designated for the project, except with permission by the COR.***

**3.10** Contractor shall provide a site Project Manager who is fluent in English.

**3.11** Contractor shall perform the job in accordance with U.S. Codes and Standards, and shall comply with all local host-country Codes, Ordinances and Regulations for Construction, Labor and Safety Practices.

**3.12** Contractor shall comply with all Accident Prevention requirements, as stated under Section (H) CLAUSES, per DOSAR652.236-70 in the main body of the Contract, which includes:

a. Workers are required to wear hardhats and steel toed shoes on the job site at all times.

b. See APPENDIX #7 for complete list of all safety requirements on all Overseas Construction Projects.

**3.13** Contractor shall perform the construction in accordance with the provided Specifications, Design Drawings and/or Details as listed in the APPENDIX #1. However, any discrepancies between existing conditions and proposed construction shall be brought to the attention of the COR for immediate resolution. Contractor shall prepare a COMPLETE SET OF SHOP DRAWINGS (modelled after the "Design" Drawings provided) showing accurate dimensions of cabinets and countertops, trims, fillers, etc. with placement of lights, fixtures, hardware, etc. to be provided along with Specifications of all items required.

**3.14** IF no specific plans, details, drawings are provided, then Contractor shall prepare Design Layout Plans and

Details, to be approved by COR and follow up with Shop Drawings required as follows:

- Existing Conditions Plan including Kitchen with existing cabinetry, equipment, lighting, fans, electrical outlets, appliances, fixtures, etc.
- Proposed Kitchen Repairs Layout Plan (fully dimensioned) showing proposed kitchen layout with recommended improvements to maximize efficiency and provide functional countertop space, and with proposed cabinets (different types with drawers, doors, organizers, dividers, hardware, etc.), proposed countertops (with joints, overhangs and edges shown), proposed appliances/ equipment (correctly sized), proposed fixtures (including sink/s, distiller, and /or ice-maker, etc.), as specified and in accordance with Scope of Services.
- Proposed Kitchen Lighting/Electrical Layout Plan showing proposed electrical circuits and placement of Accessories (including ceiling lights, ceiling fans, exhaust hoods, exhaust fans, etc.), proposed electrical improvements (including proper spacing of all required countertop outlets , GFCI, and appliance outlets), proposed location of required wall switches (including ceiling fan and /or exhaust fan dimmer switches, as specified and in accordance with Scope of Services. Lighting shall provide sufficient wattage and lumens as required for the tasks, as required.
- See APPENDIX #3, and APPENDIX #4.
- All drawings must be submitted for approval and coordination with COR, prior to proceeding.

3.15 Contractor shall have a current marked, complete set of the Contract documents, including Scope of Work, Drawings and Specifications, approved Submittals, Progress Reports and Schedule, available on the job site at all times.

3.16 The project start date is to be made as soon as possible and is expected to begin upon receipt of NTP.

3.17 After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- a. A complete set of “as built” drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished.
- b. Record shop drawings and other submittals, in the number and form as required by specifications.

#### 4.0 SCOPE OF SERVICES:

*Contractor shall provide all construction/fabrication, furnishing of materials, labor, equipment and supervision necessary to complete the technical requirements in this statement of work in accordance with GENERAL REQUIREMENTS Paragraphs 3.13 and 3.14 as stated above, pertaining to drawings and specifications. The work consists of, but is not limited to, the following:*

#### 4.1 LOGISTICS, SITE PROTECTION, DEMOLITION and DISPOSAL:

##### 4.1.1 LOGISTICS:

- a. *Electrical 220v 50Hz available*
- b. *Water source available*
- c. *Contractor shall provide proper means for delivering all construction materials, cabinetry, granite, fixtures, etc., on to the job site as well as providing proper storage/ protection for said deliveries as may be required.*

##### 4.1.2 SITE PROTECTION:

- a. *Contractor shall protect all the building surrounds including the existing paving (driveway, terraces and walkways) and the existing surrounding garden (lawn areas, plants and planting beds), and shall maintain the site free of debris at all times.*
- b. *Contractor shall protect the existing exterior and interior finishes (walls, floors, ceilings, etc.) to remain, throughout the entire construction period, and ensure they are returned in same condition as at the beginning of project.*
- c. *Contractor shall provide plastic, drop cloths and /or cardboard for protection of all existing appliances, furnishings, cabinets, etc. to remain, as well as to protect the existing interior floors and stairs heavily tracked, as may be required.*

- d. *Contractor shall provide and keep Fire extinguishers on site at all times during welding operations, or as may be required.*
- e. *Contractor shall provide all necessary scaffolding and appropriate body harnesses, etc. in compliance with all Accident Prevention requirements, as stated previously in Paragraph 3.12, and/or as may be required.*

#### **4.1.3 DEMOLITION/REMOVAL, CLEANING and DISPOSAL:**

- a. *Contractor shall temporarily relocate any existing kitchen appliances (typically to adjacent dining room) and shall tightly protect/cover them with plastic and /or drop cloths for the duration of the project, as required.*
- b. *Removal of all plumbing fixtures (sinks, distillers, ice makers, etc. in Kitchens shall be in accordance with standard safety practices including temporary capping, as required.*
- c. *Removal of all electrical fixtures (lights, fans, exhausts, ductwork, etc. as required), switches, outlets (including GFCI), plate covers, and exterior conduit/wiring, etc., shall be in accordance with standard safety practices including disconnection at the breaker box, and all exposed wires shall be safely capped, etc. as required.*
- d. *Any existing wall exhaust fans to remain, shall be cleaned and remain protected for the duration of the project.*
- e. *Removal of existing countertops and cabinetry and fixtures shall be done in an orderly fashion (with careful disassembly and necessary disconnections as required) in order to preserve the integrity of said items. Once all are removed, Contractor shall notify COR for prompt pick-up by Embassy Warehouse (if determined adequate for auction), or to authorize for prompt disposal.*
- f. *Only existing floor, skirting, baseboard and/or wall finishes (including terrazzo, tiles, etc.) to be replaced shall be removed, in accordance with specifications and drawings, or as directed by COR, and shall be disposed of promptly.*
- g. *Any removal necessary (as mentioned above) shall be performed by using jack hammers, chisels, wire brushing or other effective means to get the required results. See Section 5.1.1 Site Visit and Compliance, paragraph (f) regarding safety requirements for Accident Prevention when using loud and noisy equipment.*
- h. *All required replacements/relocations including sink/s, distillers, stove/s ( gas and/or electric), ductwork, etc., as required to achieve the required/ proposed kitchen improvements as previously mentioned, shall be completed, inspected and approved by COR, prior to any further close-out work.*
- i. *All construction debris removal shall be via a construction chute, nothing shall be tossed from heights.*
- j. *Contractor shall dispose of debris, from the site on a daily basis, in accordance with Local, State and Federal regulations. All permits required are Contractor's responsibility.*
- k. *The entire work site, ground areas, external utilities, etc. shall be kept clean and accessible at all times.*

## **4.2 ELECTRICAL WORK:**

### **4.2.1 GENERAL ELECTRICAL REQUIREMENTS:**

- a. *All removals including existing light fixtures and accessories, fans, switch boards, DB's, outlets, wiring, etc. shall be performed as stated in DEMOLITION – Paragraph 4.1.3*
- b. *All old wiring shall be removed; absolutely no old wiring shall remain.*
- c. *Samples of all required fixtures, accessories and materials shall be submitted to COR for approval; nothing shall be used on site prior to the approval of sample.*
- d. *Contractor shall supply and replace all necessary conduit work and wiring (including phase, neutral and ground), receptacles, outlets, boxes, distribution boards (DBs), panels, switchboards, switch plates, switches, dimmers, light fixtures, accessories, fans, and/or appliances as required, at existing and/or revised new locations in Kitchens as required and approved by COR.*
- e. *See GENERAL REQUIREMENTS Paragraphs 3.13 and 3.14 for further clarification on the intent of Proposed Kitchen repairs.*

- f. Contractor shall provide all labor, vehicles, tools, cables, wires, conduit, fittings, brackets, lugs, nuts, bolts, etc. as specified and required.
- g. Any other materials, accessories and/or services, which are not listed here but are required for the project completion, shall be the responsibility of the Contractor, and be supplied and installed with quality workmanship and in full compliance with local and NEC standards.
- h. All conduit/wiring work shall be “hidden” in walls and protected in accordance with standard practice. Contractor shall be required to patch and repair all walls as necessary due to any required conduit/wiring relocations, and as directed by COR.
- i. Contractor shall notify COR once electrical work is completed for testing. All test results must be verified and approved by COR prior to authorizing for close-out.
- j. All testing equipment required for the project shall be pre-calibrated and of reliable quality.
- k. The entire residential plumbing system shall be restored to full compliance with all plumbing, building and health codes, fully functioning, and ready for use upon completion.

**4.2.2 SPECIFIC ELECTRICAL REQUIREMENTS:**

- a. See APPENDIX #5 - STANDARD ELECTRICAL CODES & SPECIFICATIONS
- b. All Kitchen outlet locations, as well as placement of all proposed light fixtures and switches shall be carefully laid out in a Proposed Lighting/Electrical Layout Plan, in accordance with APPENDIX #3 and #4, to be approved by COR.
- c. Multiple gang boxes are preferred for wall switches; these shall be conveniently placed adjacent to doorways and with 3-way switches where possible.***
- d. Ceiling fan/s and/ or exhaust fan/s shall have proper dimmer switches, to be approved by COR.***
- e. Duplex outlets/receptacles are recommended at countertop areas that favor use of standard small kitchen appliances with/ or without necessary transformers, and shall therefore allow for both options (110v or 220v) simultaneously.***
- f. Distiller relocation is recommended to prevent loss of useful countertop space, as well as to isolate heat. Possible relocation to pantry, laundry room or near exit door must be approved by COR.***
- g. Provide a separate and/ or additional outlet (for the fixed use distiller) beyond standard countertop requirements.***

**4.3 PLUMBING WORK:**

**4.3.1 GENERAL PLUMBING REQUIREMENTS:**

- a. All removals including sinks, distillers, ice-makers, etc. in Kitchens shall be performed as stated in DEMOLITION – Paragraph 4.1.3
- b. All old plumbing (for water and gas) shall be removed; absolutely no old pipes shall remain.
- c. Contractor shall supply and replace all necessary plumbing fixtures and accessories as required, at existing and/ or revised/new locations in Kitchens, as required and approved by COR.
- d. See GENERAL REQUIREMENTS Paragraphs 3.13 and 3.14 for further clarification on the intent of Proposed Kitchen repairs.
- e. Samples of all required fixtures, accessories and materials shall be submitted to COR for approval; nothing shall be used on site prior to the approval of sample.
- f. Contractor shall replace and install all new water supply lines including hot/cold water, distiller, and or ice-maker, sewer drainage, including P-traps at all sinks (to prevent smell and insects from outside), new gas lines, new flexible hose (approved for gas line), new shutoff valves, etc. as required and approved by COR.
- g. All new plumbing shall be “hidden” in walls and protected in accordance with standard practice. Contractor shall be required to patch and repair all walls as necessary due to any required conduit/wiring relocations, and as directed by COR.
- h. Contractor shall notify COR once plumbing work is completed for testing.
- i. The entire piping system shall be hydrostatically tested to 150 psi. Test shall be maintained for a minimum of 12 hours to prove all joints are tight. (Contractor shall be responsible for maintaining pressure level as required.)
- j. All testing equipment required for the project shall be pre-calibrated and of reliable quality.
- k. All test results shall be reviewed and approved by COR prior to authorizing for close-out.
- l. The entire residential plumbing system shall be restored to full compliance with all plumbing, building and health codes, fully functioning, and ready for use upon completion.

**4.3.2 SPECIFIC PLUMBING REQUIREMENTS:**

- a. See APPENDIX #5 - STANDARD PLUMBING CODES & SPECIFICATIONS***

- b. All Kitchen plumbing locations, as well as placement of sink/s, distiller, and/or ice-maker, etc. shall be carefully layed out in the Proposed Kitchen repairs Layout Plan, to be approved by COR.*
- c. Sink/s location shall ideally be in a triangulated position between the stove and refrigerator, and with ample and usable countertop space in between.*
- d. Depending on the size and layout of the kitchen some consideration may be given for providing two (2) sink locations to separate the prepping of food as opposed to dish washing area. This is certainly advisable at houses with numerous representational functions.*
- e. Distiller relocation is recommended to prevent loss of useful countertop space, as well as to isolate heat. Possible relocation to pantry, laundry room or near exit door must be approved by COR.*
- f. All sinks shall have P-traps*
- g. Where possible, eliminate existing floor drains, as directed and approved by COR*

#### **4.4 FLOORS, WALLS and TILES:**

##### **4.4.1 FLOORS, SLABS and TILES:**

- a. All removals including existing terrazzo and/or tile floor, skirting and baseboard, etc. shall be performed as stated in DEMOLITION – Paragraph 4.1.3.
- b. Further removal of base concrete slabs (including existing steps and/or cabinet bases, etc.) as may be required for all necessary electrical, plumbing and/or design improvements /relocations, shall be approved by COR.
- c. Concrete repair and patchwork necessary in Kitchens to facilitate removal, replacement and/or new plumbing and waterproofing, and shall be done only after close-out authorization is given by COR and in accordance to standard procedures to maintain the integrity of the floor base.
- d. If large sections of concrete slab are damaged/removed as mentioned above, then Contractor shall at a minimum supply and replace with plain concrete (3” – 4” thick as required) as follows:
  - Concrete mix shall be (1:2:3): ordinary Portland cement (Maple Leaf or Fauji), sand (Lawrencepur) and crushed stone (Margala ½” down Grade-1).
  - Waterproofing shall include: vapor barrier layer (2 mm heavy duty plastic sheet) under the concrete base.
- e. Contractor shall make all necessary replacement floor repairs and finishes (including for steps) as required, at existing and/or revised/new locations in as required and approved by COR
- f. The finished level of the tiles shall not exceed previously existing finished level of the floors, except at steps where the riser heights are noticeably uneven and require adjusting to be made all equal.
- g. Offsets should be clearly marked to maintain the existing finish floor elevations, prior to initiating any removals.
- h. Proper cement levelling base shall be approved by COR, prior to initiating any installation.
- i. Samples of all required floor tiles, borders, etc. shall be submitted to COR for approval; nothing shall be used on site prior to the approval of sample.
- j. Kitchen Floor Tile replacement and installation shall be as follows:
  - Kitchen Floor Tiles shall be: 2’x2’ granite tiles by TRACES-NITO (color - Vanilla), or as approved by COR.
  - Marble Threshold (sample and color to be approved by COR) shall be provide “flush” transition as required adjacent to rooms where existing floors are to remain, as shown.
  - Layout of tiles shall be approved by COR to ensure that tile field is properly aligned, with adequate setbacks to avoid slivers and uneven border conditions.
  - Proper bonding/mortar setting bed shall be as recommended by manufacturer and approved by COR
  - Grout shall be Style Bond (by Shabir), unless otherwise recommended by tile manufacturer, color to be approved by COR.
  - Tile installation shall be made using spacers. The gap between two tiles shall not be greater than 5mm (1/4”).
  - Tiles shall typically be cut at right angles, however if walls are not parallel then all tiles at border conditions shall be cut to fit tight with the walls.
  - No uneven, chipped, cracked or broken tiles will be accepted. Use of appropriate tools is required.
  - Grout sealer shall be used to protect the grout, and applied per manufacturer’s recommendations, as approved by COR.
  - Standard skirting/ baseboard shall be approx. 4” high to match the height of the kitchen cabinets baseboard (toe-kicks); any exposed tile edges adjacent to walls shall be grout filled and/or caulked and painted to match walls.
  - Exterior steps require tile finish to be of exterior grade (non-slip), however “optional” granite/marble slab – min 1” thick and with 1” nose (color: black) may be approved by COR to match similar existing conditions. Proper transitions between different floor finishes shall be made at the doorway threshold.

- Once floor installation is complete, Contractor shall cover and protect the tiles/grouting with appropriately secured and taped down paper and/ or plastic sheets for the duration of the project.

#### 4.4.2 WALLS, PLASTER WORK, TILES and PAINT:

- a. All removals including wall tiles, accessories, etc. shall be performed as stated in DEMOLITION – Paragraph 4.1.3.
- b. Masonry repair and patchwork shall be required wherever replacement and/or relocated and “hidden” electrical and plumbing improvements are required and shall be done only after close-out authorization is given by COR and in accordance to standard procedures to maintain the integrity of the walls.
- c. All walls shall be made plumb, smooth and even and shall be re-plastered as required, however further removal of plaster may be required in areas with water damage, and repairs or mildew treatments shall be completed prior to re-plastering.
- d. Typical plaster work shall be 1/2” - 3/4” thick cement sand plaster as follows:
  - Plaster in (1:3)ratio shall be: ordinary portland cement (Fecto, Maple Leaf or Fauji) and Sand (lawrencepur).
  - Standard joint preparation with corner beads, wire mesh, curing and finishing shall be required.
- e. Once Plaster work is properly cured and sealed, and a waterproofing bitumen coat (or other type of waterproofing is applied) in accordance with standard practice, as directed and approved by COR, Contractor may then initiate the Wall Tile installation in Kitchen, as required.
- f. Contractor shall make all necessary replacement wall repairs and finishes as required, at existing and/or revised/new locations in Kitchens as required and approved by COR.
- g. Samples of all required wall tiles, borders, etc. shall be submitted to COR for approval; nothing shall be used on site prior to the approval of samples.
- h. Kitchen Wall Tile replacement and installation shall be as follows:
  - Kitchen Wall Tiles shall be: square 6”x6” or 4”x4” premium quality glazed ceramic tiles (Spanish or Sadabdulla) – plain, or other, as approved by COR.
  - Decorative Accent Tiles shall be: square 6”x6”, 4”x4” premium quality glazed ceramic tiles (Spanish or Sadabdulla) – patterned, mosaic type or hand painted, etc., or other, as approved by COR.
  - Samples of all required wall tiles, borders and accents, etc. shall be submitted to COR for approval; nothing shall be used on site prior to the approval of sample.
  - Exact placement of tiles and accents (typically within the space between the countertops and wall cabinets) with height and spacing, shall be approved by COR.  
See Kitchen Repairs Layout drawings for location.
  - NOTE: if countertop is not fully contained between walls and/or full height cabinet or appliance, then the field of tiles shall be expanded either to meet a door frame or a window or to provide a vertical band (width to be determined) all the way to the floor tile skirting, as may be required, and approved by COR.
  - Proper bonding/mortar setting bed shall be as recommended by manufacturer and approved by COR
  - Grout shall be Style Bond (by Shabir), unless otherwise recommended by tile manufacturer, color to be approved by COR.
  - Tile installation shall be made using spacers unless tiles have their own separating fins. The gap between two tiles shall not be greater than 2mm (1/16”).
  - Tiles shall typically be cut at right angles, however if walls are not parallel then all tiles at border conditions shall be cut to fit tight with the walls.
  - No uneven, chipped, cracked or broken tiles will be accepted. Use of appropriate tools is required.
  - Grout sealer shall be used to protect the grout, and applied per manufacturer’s recommendations, as approved by COR.
- i. Painting required shall be as follows:
  - Once Tile work is completed Contractor shall ensure protection of all adjacent surfaces of different materials/finishes (including wall and floor tiles, grout, cabinetry, countertops, vanity tops, sinks, other fixtures, accessories, appliances, doors, carpentry, windows and window glazing, etc.) by using painter’s tape, plastic or drop cloths, wall coverings, etc., as may be required and for the duration of the job.
  - ***The color scheme for all surfaces shall be pre-approved by the COR. Paints exceeding either the shelf-life or the pot life will not be acceptable.***
  - ***All interior surfaces shall be newly plastered or pre-cleaned/scraped and prepared surfaces using ICI putty.***
  - ***Contractor shall provide and apply:***
    - ***one (1) coat of an anti-fungal primer***
    - ***three (3) coats of plastic emulsion paint (ICI or equivalent) approved by COR.***

- *All paints should be applied under dry and dust free conditions. Painting shall not occur when the temperature of the surrounding air is below 45 degrees Fahrenheit. Surfaces should be free from moisture at the time of painting.*
- *Most paints are provided in a condition ready for use. It is important that only those additions are made which are expressly permitted on the container labels. Manufacturer's instructions shall be followed when thinning paints and in no case should thinners exceed 5% by volume.*
- *Paint should be stirred regularly unless otherwise recommended by the manufacturer.*
- *Quality workmanship is required. All finished paint surfaces shall be free from drips, ridges, waves, laps and brush marks.*
- *The film thickness of each coat of paint should be as specified by the paint manufacturer. First coat is typically four or five strokes to fully soak, and then allowed to dry overnight.*
- *Allow proper drying time between coats, typically the dry period of one coat is three hours, or as specified by the manufacturer.*

- j. Any necessary hoisting and lifting shall be performed in accordance with standard safety practices
- k. Any necessary scaffolding shall be provided meet the specified safety standards.
- k. See APPENDIX #7 - Safety requirements for Overseas Construction

#### 4.5 KITCHENS

- a. All removals including existing cabinetry, countertops fixtures, accessories and appliances, etc. not otherwise addressed in Kitchens, shall be performed as stated in DEMOLITION – Paragraph 4.1.3
- b. Contractor shall provide all labor, supervision, materials and equipment, as required to complete the technical requirements of all Kitchen work as stated herein.
- c. Kitchen repairs shall be made in accordance with drawings and specifications provided or in accordance with recommended improvement guidelines as stated in GENERAL REQUIREMENTS Paragraphs 3.13 and 3.14, as approved by COR, as well as following the Proposed Kitchen Design, Layout and Improvements Guidelines listed in APPENDIX #2.
- d. In addition, as part of the intended Kitchen repairs requirements, Contractor may propose use of alternate appliances, especially if considering heavy duty/ larger/ professional type appliances, built-in type appliances, or stainless steel finishes that would better match the proposed stainless steel kitchen hood/ exhaust fan (typical) to be approved by COR.
- e. Standard Kitchen Improvement shall include an Island – replacement, or new (if feasible based on the space and layout of the specific kitchen), as approved by COR. Island may be movable or fixed, and designed accordingly.
- f. Special consideration may be given for use of ice-maker or food warmer, etc. if kitchen layout and size permits, especially if residence is required to host many representational events.
- g. See Paragraph 4.3.2 Specific Plumbing Requirements that addresses kitchen improvements which may include two (2) separate sink locations for prepping and washing, to be approved by COR.

#### 4.5.1 KITCHEN APPLIANCES & FIXTURES:

- a. Contractor shall be responsible for installing, connecting and commissioning all appliances and fixtures provided.
- b. Contractor shall provide and install all plumbing (including water & gas), fixtures, materials, etc. required to complete the technical aspects of the Proposed Kitchen Improvements.
- c. See PLUMBING WORK Paragraph 4.3 for more specifics.
- d. Standard Kitchen Appliances shall be - standard issue, provided by the Embassy, unless otherwise directed, as follows:
  - Typical stove is 30" wide
  - Typical refrigerator with top freezer: 30" – 36" wide
  - Typical freezer: 30" - 36" wide
  - Typical distiller: 12"x24"
- e. Contractor shall verify the exact size and direction of doors of the appliances (if not changeable) for correct layout and dimensioning of the proposed cabinets.
- f. Contractor shall be responsible for supplying the correct type of amperage and outlet receptacles, circuit, etc. for each appliance as required. See ELECTRICAL WORK Paragraph 4.2 for more specifics.
- g. If appliances are already on site, Contractor shall disconnect, defrost and/or clean, remove and protect them until installation is required. See Paragraph 4.1.2 on SITE PROTECTION for more specifics.
- h. Standard Kitchen Fixtures shall be as follows:

- Provide and install Min. 36” stainless steel – double sink with single hole (for tap mixer), and with lateral dish drain - for under-mounted installation (as is typical with granite countertops), manufactured by Blanco, or as approved by COR.
  - Provide and install a good quality stainless steel tap mixer - approx. 12” high, with retractable hose (optional), manufactured by Grohi or as approved by COR.
  - If use of two sinks is approved, consider using a smaller sink for prepping and a larger, deep one for washing with the lateral dish drain. Exact size and shape to be approved by COR.
  - Samples and/or brochures of all fixtures shall be submitted to COR for approval.
- i. Specialty Appliances may include: (as approved by COR)
- Ice-maker
  - Food-warmer

#### 4.5.2 KITCHEN CABINETRY, HARDWARE and COUNTERTOPS:

- a. Contractor shall provide and install all cabinets, hardware and countertops, required to complete the technical aspects of the Proposed Kitchen Improvements as stated above.
- b. Contractor shall submit two(2) completely itemized quotes for the following proposed Kitchen Cabinet systems, per below:
- c. Standard Kitchen Cabinets and Installation shall be as follows:
- Complete “improved” kitchen layout drawings and details, fully dimensioned, and with each cabinet type, specific function, features, hardware and finishes, etc. clearly identified, shall accompany each quote, to be reviewed and approved by COR, prior to proceeding.
  - See APPENDIX #2 –Proposed Kitchen Design, Layout and Improvements Guidelines for cabinet recommendations.
  - Contractor shall submit Catalogues with the full range of Cabinet Types, Sizes, Features, etc. to choose from for comparison purposes (for each Option) with the cabinet recommendations/ guidelines stated above.
  - Option 1 - Cabinets shall be made of solid “cherry” wood construction, including doors, drawers, frames, etc., or plywood construction with good quality finish “cherry” wood veneer, as approved by COR. NO pressed wood construction shall be permitted, unless otherwise directed. (Note: design and features shall be similar to Vogue for ease of comparison.
  - Option 2 – Cabinets shall be Vogue design by Interwood (or by Kitchencare or other similar) however upgrades should be sought to include NO pressed wood construction and higher quality veneer, if available.
  - NOTE: Past experience with Option 2, has been unsatisfactory, with veneers peeling even before installation was completed. So if said Option is selected (including upgrades as mentioned above), some explanation by COR shall be documented, for the Record.
  - Contractor shall use Internationally approved standard installation methods as required for levelling, setting, joining, mounting, trimming, etc. as follows:
    - Plinths/toe-kicks (matching the cabinetry), setbacks (to accommodate the tile skirting at the back) and/or footings (typically stainless steel) for the base, as approved by COR
    - Base boards to conceal plinths/toe-kicks shall be continuous pieces (max. length available), preferably with mitered joints, and with a MIN. 1/8” reveal from the finished tile floor to protect from water damage.
    - Multi-angle joint hardware to secure cabinets to each other and hold them level
    - Mounting hardware (typically masonry anchor bolts) to secure all cabinets - tight to the walls and floor, as may be required
    - Trim under wall cabinets to conceal under-cabinet lights, as may be required
    - Trim over wall cabinets, in accordance with the drawings as may be required; however, especially consider adding trim, at the face of wall cabinets, to keep exhaust ductwork on top from being seen from below, this is preferable to boxing out the ductwork and emphasizing its presence!
  - Standard cabinets shall be as follows:
    - Base cabinets – 24” deep x 36” high, typical
    - Wall cabinets – 12” deep x 36”-42” high, typical
    - Wall cabinets (optional)– 15” deep to maximize capacity of shelving for china and glassware, as well as storage of large platters, etc., in designated areas as required.
    - MIN. 18” CLEAR is required, between finished countertops and bottom of wall cabinets (including trim) to allow for easy use of standard countertop appliances such as mixers, blenders, etc.
    - Full Height/Pantry cabinets shall be 24” deep x 84”-96” high, as required
    - Refrigerator cabinets – 24” deep x 18”-24” high depending on the refrigerator (with tilt-top doors and no stiles recommended)

- Full Height boxed in “wall separation”- 1”to3” wide x 84”-96” high, is recommended where cabinets are adjacent to refrigerator and/or freezer to provide a defined edge to the cabinets, countertops and tile-work, wherever space permits for “built-in” appearance, as approved by COR.
- Uniform finished height of combined cabinets (including trims) shall be pre-approved by COR.

**d. Standard Kitchen Countertops and Installation shall be as follows:**

- Precise measurements for countertops shall be taken ONLY once the cabinets, appliances and fixtures are all in place, to ensure tight fits as required.
- Quality granite slabs, min. 1” thick, shall be non- porous type recommended for kitchen applications, and pre-sealed/ waterproofed. Color selection shall be approved by COR.
- EDGES: All overhangs, front edges and exposed sides of countertops shall have standard ½” radius (quarter round), as approved by COR, unless a fancier edge treatment is selected. All contained sides of countertops shall be ground down smooth as required. All joint edges shall be smooth and flush, typical.
- CORNERS: All exposed corners shall have 1”radius, typical.
- OVERHANGS: Typical front overhang shall be min. 1 ½” over the face of the cabinet frame, and typical exposed side overhang shall be min. ½”.
- BAR TYPE OVERHANGS - if provided at island/peninsula, shall require proper fastening to ensure stability of the overhanging segments, and shall typically be of a single piece of granite. Typical rounded corners with min. 12” – 24” radius are recommended at “bar type” corners, for ease of movement, as approved by COR.
- Standard installation methods shall be used for levelling, joining (with specialty clips/clamps, hardware as required), sealing, waterproofing, caulking the joints, etc., per standard practice.
- GRANITE SPLASH \_BLOCK - for typical base cabinet countertops shall be 2”-4” high (of max. length feasible) is recommended to provide a watertight seam over the countertop (against wall), sealed with clear caulk, etc. as required.
- Otherwise, tile installation may be interrupted (partially completed) to ensure that the bottom row of tile is installed tight to the countertop surface (once the countertop/cabinet is in place) and then grouted, sealed as required, and as approved by COR. NOTE: Same can apply along the sides of base cabinets.

**e. Standard Kitchen Cabinet hardware/accessories shall be as follows:**

- Drawer hardware shall be “quiet close” and for “full extension” opening.
- Door hardware shall allow for “full door face” and “no show” cabinet frames (recommended), as approved by COR, however this must be carefully coordinated to ensure that all cabinets (per design selected and approved) are compatible with said feature and hardware. NOTE: same would apply to drawers.
- All hardware/accessories shall be guaranteed for ONE YEAR, with replacements as required
- All doors and drawers must have approved “bumpers” as required
- All Specialty items, may include:
  - Pull-out Detergent Rack, Drawers and Waste Bins
  - Lazy Susan/s and Revolving Pantry Column
  - Spice Rack, Wine Rack, Dish/Plate drain rack
  - Paper towel holder
  - All hardware, including pulls, knobs, etc.
  - All samples of above to be approved by COR

**4.5.3 KITCHEN ELECTRICAL ACCESSORIES: Lights, Exhausts and Fans**

- a. Contractor shall provide and install all lighting, fans, exhausts, ductwork, louvers, screens and grills, etc., as required to complete the technical aspects of the Proposed Kitchen Improvements.
- b. See ELECTRICAL WORK Paragraph 4.2 for more specifics
- c. Standard Kitchen Lighting and Installation shall be as follows:
  - Provide and install new good quality imported lights (including ceiling lights, under cabinet lights, indirect lights, drop lights, accent lights, etc.) in accordance with the Proposed Kitchen Lighting/Electrical repairs Layout Plans, and as described in the Scope of Services.
  - Provide and install surface mounted ceiling light fixtures shall be 2x4’, 36 watts Philips Make, or as directed and approved by COR.
  - Provide and install under cabinet lights (recommended “mini” fluorescents) including their circuits (w/2.5 mm cables with neutral and ground), controlled by switches conveniently located in a multi-gang receptacle/outlet box over the countertop or near the door, to be approved by COR.
  - Any other proposed Accent Lighting (inside a glass door cabinet), Dropped/Recessed Lights over the sink, and/or Indirect Lighting (on top of the wall cabinets), shall be approved by COR.
  - All fluorescent light fixtures approved for use, must provide “warm” light and energy efficient type bulbs.

- Provide and install specialty accent lights, indirect lights and dropped light at sink, as directed and approved by COR
  - All lighting samples must be submitted for COR approval. Contractor shall obtain COR's prior to procuring and /or executing any work.
  - Typical ceiling light bulbs shall be 100W energy savers, Phillips or equivalent, unless otherwise specified.
- d. Standard Kitchen Exhaust Hood/Fans and Installation shall be as follows:
- Kitchen Exhaust Hood shall be of good quality stainless steel with "quiet" variable speed fan and lights, and shall be mounted with a stainless steel backsplash, all to be approved by COR.
  - Standard Exhaust Hood - manufactured by ELICA Italy (or approved equal), shall be 30" - 36" wide (typically matching the width of the stove/oven), however may be increased to 42" – 48" wide as required to match specialty stove/oven, installed in accordance with manufacturers specifications including duct work and all electric connections, as may be required.
  - Recommended elevation for installation of bottom of hood is 60" - 66", from the floor, depending on how big and/or deep the hood is.
  - Other Exhaust Hood options may be explored, with brochures submitted for approval by COR, especially if proposed alternate model exceeds the specs of above mentioned hood and/or is compatible with an overhead wall cabinet, as may be required.
  - Where possible, any "visible" existing ductwork shall be relocated (through an adjacent pantry and/or laundry), and if not, appropriate duct casing, trim and/or shelf as required, shall be provided, unless can otherwise be hidden by, as approved by COR.
  - See **KITCHEN CABINETRY, HARDWARE and COUNTERTOPS** Paragraph 4.5.2.c re: Trim, for other options on concealing the ductwork.
  - Provide and install back splash of stainless steel sheet 1/8" non-magnetic behind the stove. Size 4'x6', cut to fit.
  - Provide and install new Exhaust Fans -12" size (Pak Fan make, or other approved) and/or repair, clean, and possibly relocate existing kitchen exhaust as directed, in the Kitchen and Pantry Storage Room as may be required.
  - All samples must be submitted for COR approval. Contractor shall obtain COR's prior to procuring and /or executing any work.
  - All exhaust fans shall have variable speed switches and /or appropriate dimmers, to be approved by COR.
  - All exhaust fans shall have exterior mounted louvers, screen mesh, and/or security grills, to be approved by COR
- e. Standard Ceiling Fans shall be as follows:
- Provide and install 48"- 56" diameter, fancy type ceiling light/fan combination made by Parwaz Fan or Pak Fan, or otherwise as provide and install new good quality ceiling fan/s (Lahore Fan or equivalent), in accordance with the Proposed Kitchen Lighting/Electrical repairs Layout Plan, and as described in the Scope of Services.
  - All samples must be submitted for COR approval. Contractor shall obtain COR's approval prior to procuring and /or executing any work.

5.0 **PERFORMANCE:** The Contractor shall perform the job in accordance with International Building Codes 2006, ASTM standards and local host country codes.

**5.1.1 PRELIMINARY SITE VISIT AND COMPLIANCE:**

- a. Contractor shall visit the site to determine the full extent of the work. Failure to inspect the site will not constitute grounds for a claim after contract award. A site visit will be scheduled with the COR.
- b. Contractor shall examine all the documents. The Contractor is responsible for knowing all the conditions and limitations applied to the work. COR will make no subsequent allowance to the Contractor for neglect or unawareness of the Existing Site Conditions.
- c. Contractor shall submit SAMPLE SHOP DRAWING/S and SPECIFICATIONS for Technical Evaluation. Shop Drawings and Specs will be evaluated for thoroughness, complexity and accuracy on similar scopes of work and should reflect Contractor's breadth of knowledge and level of expertise.
- d. Contractor shall be responsible for all required materials, equipment and personnel to manage, administer, and carry out supervision of this project.**
- e. All workmanship shall be of good quality and performed in a skillful manner as determined by the COR.**
- f. Contractor shall assign a Project Site Manager that possesses Level 3 English Skills, who shall be responsible for the overall management of the project and shall represent the Contractor on the site during construction at all times. The

COR or his Designee must approve the Project Site Manager. The Project Site Manager shall attend all project meetings.

- g. Contractor is responsible for safety and shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety and similar matters. Contractor shall submit a safety plan to be approved by COR. The Contractor shall promptly report all accidents resulting in lost time, disabling, or fatal injuries to the COR.
- h. Contractor shall comply with the following applicable safety requirements as stated in DOSAR 652.236-70 ACCIDENT PREVENTION. See APPENDIX # 7 - Safety requirements for Overseas Construction
- i. Contractor shall verify that all materials, equipment, and systems provide operational dependability.
- j. Contractor shall construct the project for easy maintenance with readily available materials and services. Contractor shall maximize the compatibility of materials.
- k. Contractor shall prepare and maintain a Quality Control Schedule (QCS) to address the cost and schedule of the project. The QCS must document the entire project from beginning to end.
- l. The COR may perform quality assurance inspections to confirm that Contractor performs the work according to the Contract Documents.
- m. Any cost associated with services subcontracted by the Contractor shall be, borne by, and be the complete responsibility of the Contractor under this fixed price contract.

#### **5.1.2 SITE CONDITIONS AND SERVICES:**

- a. Contractor shall be responsible for obtaining all licenses and permits necessary, in compliance with any laws, codes, and regulations applicable to the execution of this work.
- b. Contractor may use the area within the compound for operation of his construction equipment and may maintain temporary facilities with COR approval. The Contractor is responsible for obtaining any additional off-compound storage as may be necessary.
- c. Temporary electrical power and water will be provided by the Government at no cost to the Contractor from existing lines and sources located at the building site. The characteristics and source locations may be verified by a visit to the site.
- d. Contractor shall provide ample temporary storage shed space for materials requiring shelter from the weather, and security and safety protection.
- e. Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all construction and other services furnished under this contract.
- f. Contractor shall, without additional compensation, correct or revise any errors or deficiencies in its construction and other services.
- g. Contractor shall keep the work area free from accumulation of waste materials and clean the site at the end of each work day.
- h. Contractor will not drop or throw materials from heights and shall dispose of materials removed under this contract at a legally approved disposal site, and shall adhere to all local laws, and requirements concerning removal, transporting, and proper disposal methods of said materials.
- i. At the end of each workday, or with notification of a temporary stop order, the Contractor shall temporarily seal the project area. Beginning the next workday, day day Contractor shall remove the temporary seal before continuing the project.
- j. At the end of the performance period for project completion, the Contractor shall perform a final cleanup to leave the project site in a clean and orderly condition acceptable to the COR.

#### **5.1.3 INSPECTIONS, COMPLETION AND ACCEPTANCE:**

- a. The COR has the right to conduct inspections or perform any tests deemed necessary, at all times and places to the extent practicable, to determine conformance with the requirements of the specifications during the term of the contract.
- b. 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. COR may by contract or otherwise, perform the services and charge the Contractor any cost incurred by US Embassy Islamabad that is directly related to the performance of such service or terminate the contract for default.
- c. Contractor shall be and remain liable to CDA Islamabad in accordance with applicable laws for all damages to United States Government property caused by the Contractor's negligence in the performance of any of the services furnished under this contract.
- d. Contractor shall perform all the necessary corrections/adjustments as identified as per Punch List conducted by the COR.
- e. Contractor shall warrant work to be free of defects and workmanship for a period of 1 year from date of acceptance.

**6.0 DELIVERABLES, SCHEDULE AND PERIOD OF PERFORMANCE:**

- a. Contractor shall be responsible for developing the Construction Timeline and Schedule of Deliverables acceptable to the COR prior to commencement of the construction.
- b. *Contractor's Timeline Schedule shall focus on all work to be performed, to ensure proper sequencing and avoid conflicts or any damage to completed work, as the work progresses from delivery to installation and through completion.*
- c. *Contractor shall complete all work under this Contract within forty five (45) working days (or such time frame as initially approved by COR) - from the date of receipt of the Notice to Proceed (NTP).*
- d. *The project start date is to be made as soon as possible and is expected to begin upon receipt of NTP.*
- e. Liquidated damages shall be assessed at Rs 10000.00 PKR per day for any delays past the Twenty (or other Time Frame as requested and approved by COR) performance days from NTP.
- f. *Work time will be from 0800 hrs to 1630 hrs Monday through Friday.*

**7.0. CLEANING**

- a. Contractor shall oversee cleaning to ensure that building and grounds are maintained free from accumulations of excavation/waste materials, debris and rubbish, to avoid unsightly and dangerous conditions at all the times.
- b. Contractor may sprinkle dusty debris lightly, with very fine water mist to control accumulation of dust, but not in quantity so as to puddle.
- c. Contractor shall keep streets and access to the site free of rubbish and debris at all times. Upon completion of work, Contractor shall clean any splattered surfaces, and remove all splattered or excess materials, by proper methods of washing and scraping, using care not to scratch or otherwise damage any finished surfaces.
- d. Upon completion of work, Contractor shall clean all affected areas and surroundings, including street side.

**8.0. APPENDIX: Complete List of attachments as follows:**

Appendix #1 – List of Drawings and Details

Appendix #2 – Proposed Kitchen Design, Layout and Improvements

Guidelines

Appendix #3 – SUMMARY OF N.E.C. REQUIREMENTS FOR RESIDENTIAL

KITCHENS

Appendix #4 – 2005 NFPA-70 New Construction Requirements NEC 210.52(b) & 210.8(A)6 & UCC Reconstruction Code  
Single Family Dwelling Kitchen Requirements

Appendix #5 - STANDARD ELECTRICAL CODES & SPECIFICATIONS

**Appendix #6 - STANDARD PLUMBING REQUIREMENTS & SPECIFICATIONS**

Appendix #7 - Safety requirements for Overseas Construction

**END OF SCOPE OF WORK**

## APPENDIX # 1

### LIST OF DRAWINGS and DETAILS

- A. Existing Conditions Plan
- B. Kitchen Repairs Layout Plan – Base Cabinets and Countertops
- C. Kitchen Layout Plan – Wall Cabinets and Shelves
- D. Kitchen Repairs Electric Plan – Receptacle Outlets and Circuits
- E. Kitchen Repairs Electric Plan – Lighting, Fans and Switches

### **Proposed Kitchen Design, Layout and Improvements Guidelines**

1. Cabinets shall be of standardized “optimal” sizes for the specific function they perform. A variety of different types of cabinets will be included to provide a full assortment of shelving, organizational features and finishes, including glass paneled doors, lift up doors, etc. all functionally arranged for ease of use.
2. Cabinets with “full face” doors and drawers, with “no show” borders are preferred, however this option is available ONLY if good hardware can be obtained/guaranteed for this purpose.
3. Location of any cabinet glass doors must be well planned, to provide a balanced design appearance and for appropriate use, to be approved by COR. Glass doors may not be placed next to the Kitchen Exhaust Hood.
4. Typically single large drawers are preferred over two small drawers to maximize usable drawer space, and pull-out shelves are preferred over adjustable for ease of access. However a combination of both is recommended.
5. Final choice for pull-out shelves shall be made with a plan in mind for the type of storage proposed according to the layout and expected use of the cabinet. Pull-outs are especially suited where items will be stacked, such as pots and pans, or large platters, etc. Same would apply in a pantry where cans or other small items may be stacked.
6. Typically corner Lazy Susans are preferred over cabinets with “dead“ space (unusable)
7. Base Cabinet types shall include the following:
  - Base sink cabinet/s – 21” (for single door)- up to 36” (for double door)- typ., with fixed panel on top or tilt top (with wedged tray for string cleaning gadgets)
  - Base cabinets with top drawers (single or double) and double doors - with two (2) pull-out shelves (no stiles) or adjustable shelves – 24” – 42” typ.
  - Base cabinets with single door with adjustable shelves – 15” – 21” typ. (12” wide not recommended)
  - Base cabinets with double doors and adjustable shelves – 24” – 42” typ.
  - Base cabinets (optional 12” deep, modified wall cabinets)- widths same as above, as may be required
  - Base four (4) drawer cabinets – 18”-24”typ. (24” wide recommended)
  - Base cabinets with adjustable vertical rack divides – 12” – 18”, typ.
  - Base spice cabinets with 2 shelves min.– 3” -6” typ. (6” recommended for capacity, however 3” is a useful filler, special consideration to placement for convenience shall be made, however next to hot stove is not desirable)
  - Base cabinets with pull-out door/waste bins – 18” wide MIN. (recommend two (2) bins for trash & recycling), typically located convenient to the sink
  - Base corner cabinets with “Lazy Susan” revolving (“L” shaped and 3/4 circle) double shelves – 36”x36” typ.
  - Base cabinets to transition between 12”-24” deep cabinets – 12” wide, typ. w/single angled door
8. Island /Peninsula Cabinets types may include:
  - Most combinations as above
  - Careful planning is required to address the need for doors on both sides of a standard 24” wide cabinet, or a combination of two (2) back to back cabinets (two - 12” deep, or one - 24” plus one 12” deep) depending on space available.
  - If space allows for 36” wide cabinet combination, consider possible omission of 12” wide cabinets and instead have the granite overhang to allow for “bar type” seating, as may be required.
9. Wall Cabinet types may include:
  - Wall cabinet/s – 21” (for single door)- up to 42” (for double door)- typical
  - Wall cabinets with bottom dish/plate drain rack and removable pan for collecting water
  - Wall corner cabinets with “Lazy Susan” revolving double shelves – 24”x24” typ. and single door angled

- Wall corner cabinets with “L” shaped adjustable shelves – 24”x24” typ. and single “bi-fold” door
- Wall end/display cabinets with diagonal shelves – 12” typ.

10. Pantry / Full Height Cabinet types may include:

- Pantry (larder units) – 18”-30” typ. with adjustable and/or pull-out shelves, as may be required
- Pantry with revolving column of shelves
- Built-in Microwave – 24”-30” typ. with open microwave shelf typically set at countertop height.  
NOTE: provisions must be made for approved electrical outlet and/or hardwiring as may be required.
- Double oven including Electrical provisions, same as above
- Wine racks etc.

**SUMMARY OF N.E.C. REQUIREMENTS FOR RESIDENTIAL KITCHENS****ALL KITCHENS MUST HAVE A MINIMUM OF TWO - 20 AMP CIRCUITS –**

- However, countertop spaces separated by a sink, range top and/or refrigerator are each considered separate countertop spaces and must have separate (small appliance) circuits on each side.
- Small appliance (20 AMP load) circuits may include a (gas fired) stove and /or refrigeration equipment; however refrigerators may have their own individual 15 AMP circuit which need not be GFCI protected.
- There is no restriction on the number of outlets connected to a small appliance branch circuit.
- Lighting must remain on a separate 20 AMP circuit which can include the exhaust hood fan
- NO exhaust hoods, fans, disposals, dishwashers, etc. may be on the small appliance circuits.
- Multi-gang boxes can be shared by different circuits

**ALL WALL/COUNTERTOP CIRCUITS/ OUTLETS MUST HAVE GFCI PROTECTION –**

- One wall GFCI receptacle is required on countertops on both sides of sink, stove, and/or refrigerator
- All other outlets wired downstream on the same GFCI circuit will also be protected.

**ALL WALL/COUNTERTOPS WIDER THAN 12” REQUIRE OUTLETS –**

- Outlets must be installed at no more than 20” above the countertop

**ALL ISLAND AND PENINSULA COUNTERTOPS GREATER THAN 24” LONG AND 12” WIDE REQUIRE OUTLETS –**

- However, NO outlets may be installed below the island or peninsula countertops, where the edge overhangs the counter by more than 6” beyond its support base.

**RECOMMENDED KITCHEN OUTLET LAYOUT AND SPACING -**

The recommended layout for kitchen outlet spacing in current US, NEC standards uses the 2/4 rule:

- Must be within 2 ft. from each side of sink, stove, etc.
- Must NOT be more than 4 ft. apart.

See attached reference and layout drawings - APPENDIX #3.

**ADDITIONAL REQUIREMENTS: (to be verified)**

- Electric stoves and ovens shall be cord connected and require a dedicated 30AMP circuit - with a breaker,
- Built-in microwaves (with convection oven) must be direct wired and require a dedicated 30AMP circuit;
- Dishwashers may be cord connected and require a dedicated 15 or 20 AMP circuits

## APPENDIX # 4

**Single Family Dwelling Kitchen Requirements**

2005 NFPA-70 New Construction Requirements NEC 210.52(b) & 210.8(A)6 & UCC Reconstruction Code

**Kitchen Small Appliances.**

The code requires two or more 20-ampere circuits for all receptacle outlets for the small-appliance loads, including refrigeration equipment, in the kitchen, dining room, pantry, and breakfast room of a dwelling unit. The **countertop receptacle outlets in kitchens must be supplied by no fewer than two small-appliance branch circuits**. These circuits may also supply receptacle outlets in the pantry, dining room, and breakfast room, as well as an electric clock receptacle and electric loads associated with gas-fired appliances, **but these circuits are to have no other outlets**. Ground fault protection is required for all receptacles serving countertop surfaces.

No restriction is placed on the number of outlets connected to a general-lighting or small-appliance branch circuit. The minimum number of receptacle outlets in a room is determined by 6 foot/ 12 foot rule based on the room perimeter. It may be desirable to provide more than the minimum number of receptacle outlets required, thereby further reducing the need for extension cords.

Exhibit 210.25 illustrates the application of the requirements. The small-appliance branch circuits illustrated are not permitted to serve any

other outlets, such as might be connected to exhaust hoods or fans, disposals, or dishwashers. The countertop receptacles are also required to be supplied by these two circuits. Receptacles installed to serve countertop surfaces are required to be GFCI protection. The dining room switched receptacle on a 15-ampere general-purpose branch circuit is permitted. The refrigerator receptacle supplied by a 15-ampere individual branch circuit is permitted.

**Wall Counter Spaces.** A receptacle outlet shall be installed at each wall counter space that is 300 mm (12 in.) or wider. Receptacle outlets shall be installed so that no point along the wall line is more than 600 mm (24 in.) measured horizontally from a receptacle outlet in that space.

**Island Counter Spaces.** At least one receptacle outlet shall be installed at each island counter space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater.

**Peninsular Counter Spaces.** At least one receptacle outlet shall be installed at each peninsular counter space with a long dimension of 600 mm (24 in.) or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop is measured from the connecting edge.

**Separate Spaces.** Countertop spaces separated by range tops, refrigerators, or sinks shall be considered as separate countertop spaces in applying the requirements of 210.52(C)(1), (2), and (3).

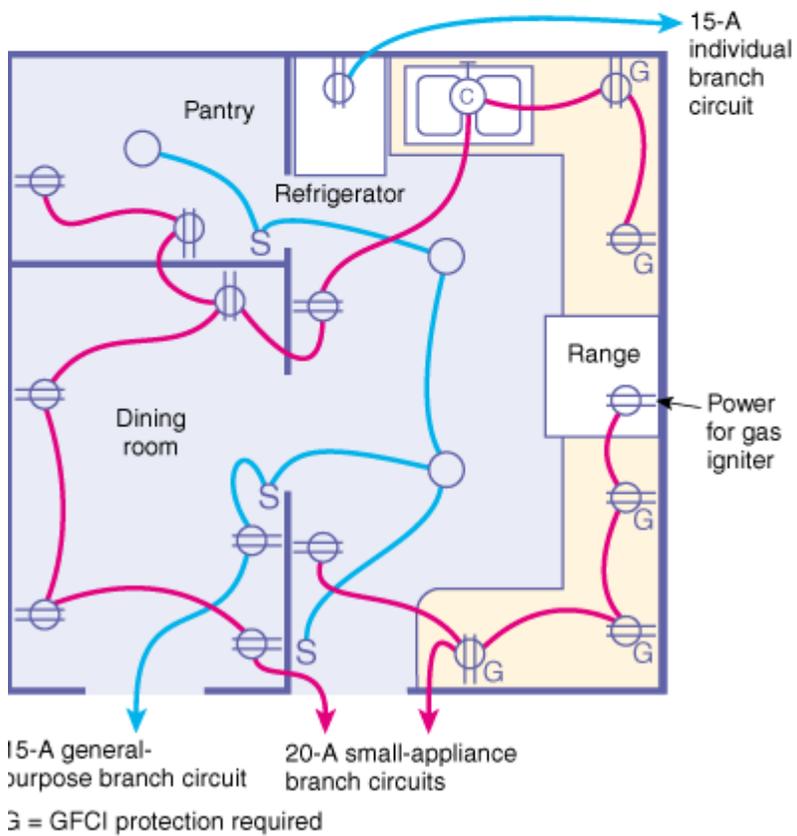
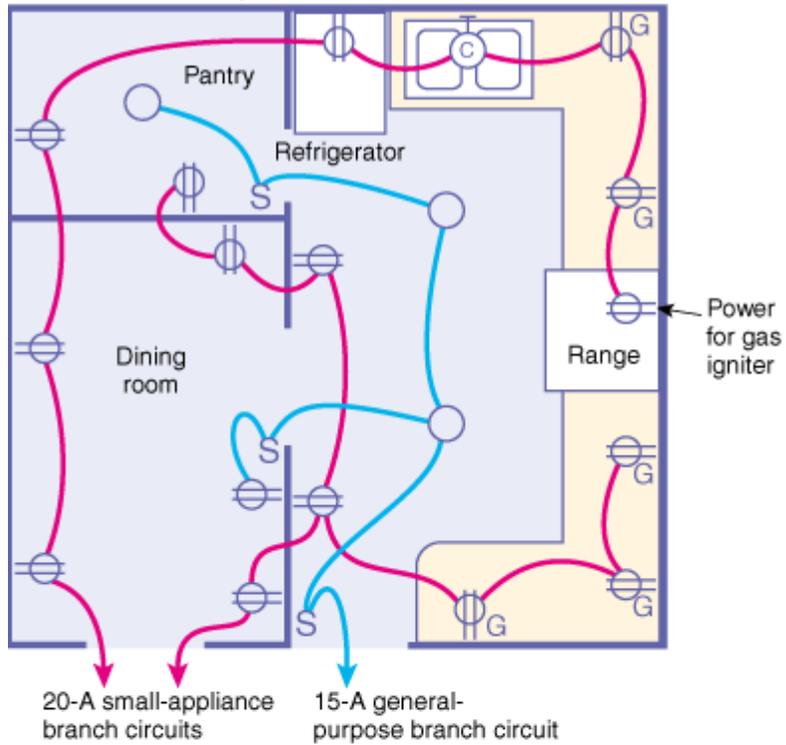
**Receptacle Outlet Location.** Receptacle outlets shall be located above, but not more than 500 mm (20 in.) above, the countertop. Receptacle outlets rendered not readily accessible by appliances fastened in place, appliance garages, or appliances occupying dedicated space shall not be considered as these required outlets.

Exception: To comply with the conditions specified in (a) or (b), receptacle outlets shall be permitted to be mounted not more than 300 mm (12 in.) below the countertop. Receptacles mounted below a countertop in accordance with this exception shall not be located where the countertop extends more than 150 mm (6 in.) beyond its support base.

**Lighting & Switching** The entire lighting system is to remain separate from the 20 amp small appliance circuits. They may occupy the same multi-gang box but, may not share circuits. Lighting circuits are permitted to supply hood fans.

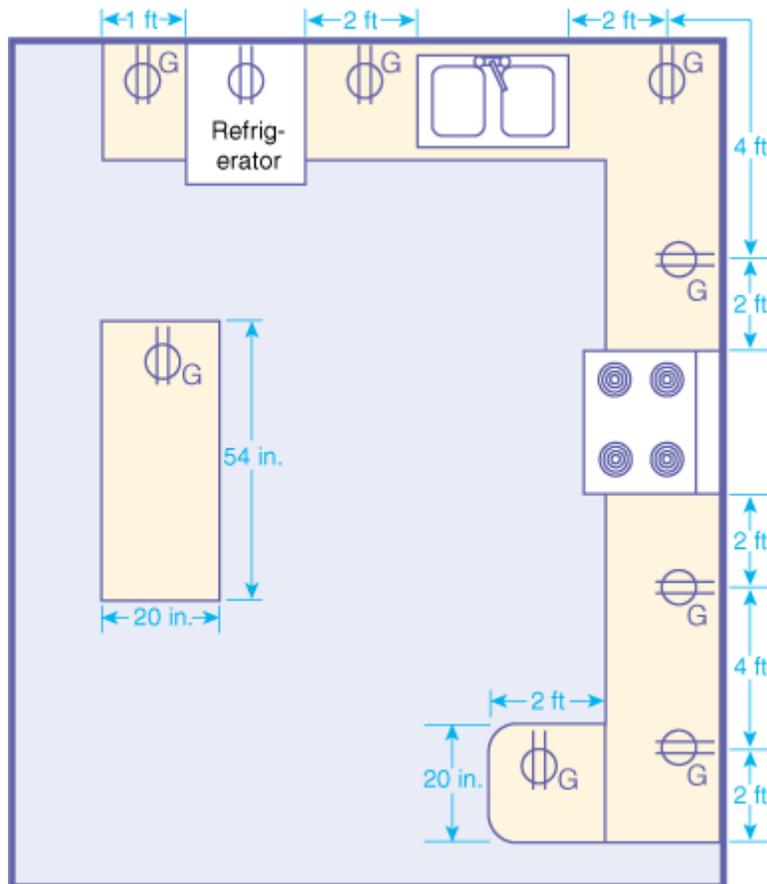
**Single Family Dwelling Kitchen Counter Small Appliance Circuits and Lighting**

NFPA -70 2002 Requirements of New Construction & UCC Rehab code 12/03



## Single Family Dwelling Kitchen Counter Required Receptacles Spacing

NFPA-70 2002 New Construction/UCC Rehab Reconstruction 12/03



G= GFCI protection required

The spacing for receptacles is generally called the 2/4 foot rule for outlet spacing on kitchen counters. It's important to note any receptacle installed below counter on island and/or peninsular is required to be a maximum 12 inches below counter. Furthermore receptacles are not permitted below counter if the edge of the counter exceeds 6 inches beyond the base cabinet.

### Other issues:

Dishwashers require dedicated 15 or 20 amp circuit. Provide disconnecting means within site of unit. This may be cord connected (receptacle) or switch within site of unit.

Appliances such as ovens and stoves shall be cord connected, have lockout breakers and/or disconnecting switch within site of units.

Appliances may not be suitable for aluminum conductors. Read manufactures instructions. This may require copper conductors only and/or terminations approved for aluminum or copper.

### APPENDIX # 5

## STANDARD ELECTRICAL CODES & SPECIFICATIONS

1. All electrical work shall be carried out according to NEC(National Electric Code) standards.
2. Light to light distance shall be 4' typical unless otherwise directed.
3. Receptacle outlets shall be installed at 6' typical, unless otherwise directed.
4. Kitchens: see Appendix # 2 & #3 above.
5. GFCI receptacles/outlets are required in all kitchens in accordance to standard U.S. code. All wiring shall be in appropriate hidden conduit or buried underground as required.
6. Receptacles/outlets in exterior wet locations must be waterproofed and with covers, approved for outdoor use.
7. Every receptacle shall have a separate circuit in a separate conduit from switchboard/panel.
8. Each circuit shall have shall have 3 wires(phase-red, neutral-Black and ground-Green)
9. Use proper glands/connectors of approved quality for cable entries into panels, sub panels and switchboards & boxes.
10. All cable entry points into panels shall have proper fittings and be sealed with proper waterproof compound, to prevent entry of water & foreign objects.
11. All switches, plates, receptacles, outlets shall be Clipsal; all sockets shall be Schouko type, with grounding terminal.
12. Panels shall be: 3-phase, 4-wire, weatherproof, lockable, equipped with bus bars, volt meter, and ampere meter, and with appropriately sized circuit breakers, as required.
13. Circuit Breakers of panels & DBs shall be made by AEG, ABB, Siemens, and Schneider.
14. DBs & panels shall have 10% spare circuit breakers identified for future use.
15. All circuit breakers in DB shall be marked for relevant circuits, outlets & appliances, for identification purposes.
16. All circuit breakers shall be as follows:
  - Main Circuit breaker - no less than 100amp for each DB
  - Branch circuit breakers - 20amp for all circuits.
17. All GFCI/RCDs shall be: typical 2-pole, 16A, 10mA (made by AEG, ABB, Siemens, or Schneider), and are required for all wet locations (washrooms, washing areas, kitchen, water pumps, etc.)
18. All metallic boxes & DBs shall be grounded; size of steel boxes for wiring shall be 14Awg.
19. Wiring shall be as specified:
  - Use 3 x 1 x 2.5SQM wire for lights
  - Use 3 x 1 x 6SQM wire for AC/Receptacles.
20. Conduits used for cable runs and wiring, shall be as follows:
  - EMC or EMT or PVC, schedule-40 or schedule-80
  - 3/4" size conduit for wiring
  - 2" – 4" size conduit for cables at panels & DBs.
21. Feeds shall be as specified:
  - 3 x 1 x 6SQM feed, for water heaters, water pumps, and security lights
  - 3 x 1 x 4SQM feed, for chandeliers & garden lights
22. Grounding shall be: 2 (two) 10' long copper grounding rods of 3/4-inch diameter each.)
23. All outside lights (including garden lights, gate lights, security lights, dual corner lights, etc.) shall be Philips make or equal as per approved samples, and shall be weatherproof and suitable for exterior application.
24. Contractor will be responsible for replacement of main cable from WAPDA DB (distribution box) to meter and meter to main panel with 4x35 mm (PAK cables or equivalent), if applicable as directed by COR.
25. DB's for interior wiring will remain in same location but exterior facilities and security lights will have DB's relocated to the Garage/ Carport if applicable.
26. Contractor will be responsible for re-allocating necessary routing for Generator and other related circuits, if applicable, as directed by COR.
27. Contractor will arrange for new Grounding of the entire building, if applicable, as directed by COR.

### APPENDIX # 6

## STANDARD PLUMBING REQUIREMENTS & SPECIFICATIONS

1. All plumbing work shall be carried out according to International Plumbing Code (I.P.C.) standards.
2. All plumbing work shall include:
  - Water supply lines: use uPVC class-E schedule-40
  - Fittings: use uPVC class E schedule-80
  - For hot/cold water piping: use PPR PN 25(Dadex or equivalent)
  - Sewer lines: use 6" uPVC pipes with collar joints (DADDEX or equivalent) at exterior/underground locations.
  - P-traps at all sinks
3. Use adhesive solution for all pipe joints according to the manufacturer's recommendations
4. (OR) Install IIL galvanized piping that can hold water pressure of 60psi.

APPENDIX # 7

SAFETY REQUIREMENTS FOR OVERSEAS CONSTRUCTION PROJECTS

Contractor shall comply with the following applicable safety requirements as stated in DOSAR 652.236-70 ACCIDENT PREVENTION:

- 1) Any work at heights above two (2) meter requires additional safety measures described as follows:
  - a. Workers shall not be permitted to work at heights over 1.5 meters without fall protection.
  - b. Fall protection shall consist of scaffolding, work platforms, or full body harnesses.
  - c. All work platforms over 1.5 meters tall (including scaffolding) shall have handrails.
  - d. Full body harnesses shall be attached to an object capable of resisting 5000 lbs of force.
- 2) Any excavation work that exceeds 1 meter depth, requires additional safety measures.
- 3) Use of earth moving equipment, requires additional safety measures.
- 4) Work in confined spaces including water tanks, sewers, transformer vaults, potential for combustion, etc. require additional safety measures.
- 5) Work with hazardous materials requires additional safety measures.
- 6) Work at hazardous noise levels requires additional safety measures.
- 7) Temporary wiring, use of portable electric tools or other recognized electrical hazards requires additional safety measures.

**END OF SCOPE OF WORK**