

SPPRA BIDDING DOCUMENT

STANDARD FORM OF BIDDING DOCUMENT

FOR

PROCUREMENT OF WORKS

(For Contracts (Small) amounting between Rs.2.5 million to
Rs.50 million)

Name of Work: REPAIR AND RENOVATION UNIVERSITY CAMPUS GHOTKI OF SHAH ABDUL
LATIF UNIVERSITY (OLD DEGREE COLEGE) (CIVIL WORK) (PHASE-I)

Issued to M/S. _____

INSTRUCTIONS TO PROCURING AGENCIES

INSTRUCTIONS TO PROCURING AGENCIES
(Not to be included in Bidding Documents)

A. Basis of Documents

These Documents have been prepared as a global document intended to be used by different agencies/users according to their requirements. This document is envisaged for National Competitive Bidding (NCB), meant for use for Works costing not more than Rs. 25 Million. These documents may be tailored according to the scope of works as well as in case of contracts on International Competitive Bidding (ICB) basis, funded by international financial institutions/donors, with payments in foreign currencies. Procuring agencies are then to tailor the relevant clauses to suit their requirements including appropriate modifications in the relevant sections of the documents in the light of SPPRA Bidding Documents for Large Works.

The Procuring Agency is expected to manage the Contract itself. The role of Engineer may be added by the Procuring Agency, if the Procuring Agency wishes to engage a consultant. The role of the Engineer with specific delegated powers under various clauses of Instructions to Bidders such as clarifications of Bid Documents, Amendment of Bid Documents, evaluation of Bids etc. and to administer the Contract under various clauses of Conditions of Contract should have been specified. The Procuring Agency will be required to set out in the specifications and drawings the full scope of work including the extent of design to be done by the Contractor, if any.

B. Contents of Documents

As stated in Clause IB.4 of Instructions to Bidders, the complete Bidding Documents in addition to Invitation for Bids shall comprise items listed therein including any addendum to Bidding Documents issued in accordance with IB.6. The Standard Form of Bidding Documents (for Small Contracts) includes the following:

1. Instructions to Bidders & Bidding Data
2. Form of Bid & Schedules to Bid
3. Conditions of Contract & Contract Data
4. Standard Forms
5. Specifications
6. Drawings, if any

In addition, Instructions to procuring agencies are also provided at various locations of this document within parenthesis or as a Note(s). Procuring agencies are expected to edit or finalise this document accordingly, by filling in all the relevant blank spaces and forms as per the scope of the work, deleting all notes and instructions intended to help the bidders.

The procuring agency is required to prepare the following for completion of the Bidding Documents:

- (i) Invitation for Bids

- (ii) Bidding Data
- (iii) Schedules to Bid (Samples)
- (iv) Schedule of Prices (Format)
- (v) Contract Data
- (vi) Specifications
- (vii) Drawings, if any

The Procuring agency's attention is drawn to the following while finalizing the Bidding Documents.

C. Notice Inviting Tender/ Invitation for Bids/ Request for Expression of Interest

The —Notice Inviting Tender is meant for publication of tenders for calling bids in the newspapers and SPPRA Website.

The blank spaces wherever shown are required to be filled by the Procuring Agency before issuance of Bidding Documents.

The Procuring Agency may modify para 1 of Notice Inviting Tender as per its requirements. The notice should be published so as to give the interested bidders sufficient working period for preparation and submission of bids – not less than 15 days for National Competitive Bidding and 45 days for International Competitive Bidding (SPP Rule 18).

1. The eligible bidders are defined in IB.2; the text can be amended by the Procuring Agency as deemed appropriate.
2. The non-refundable fee for the sale of Bidding Documents should be nominal so as to cover printing/reproduction and mailing costs and to ensure that only bona-fide bidders shall apply (SPP Rule 20).
3. The amount of Bid Security should be a lump sum figure or a percentage, but not less than 1% and more than 5% of bid price and should be in accordance with IB.13.1 (SPP Rule 37).
4. If the venue of receipt of bids and the opening of bids is the same, the times for receipt and opening of bids are to be entered in last Para of the Notice Inviting Tender, otherwise indicate the name, address and exact location for the opening of bids. However the date for the receipt and the opening of bids shall be same (SPP Rule 41).

D. Instructions to Bidders

These Instructions to Bidders will not be part of Contract and will cease to have effect once the Contract is signed along with Bidding Data.

The Instructions to Bidders can be used as given. Procuring agency may have to make changes under Bidding Data.

The Procuring Agency's or Engineer's Representative, if any, shall exercise powers of the Engineer/Procuring Agency under and in connection with Clauses IB.5, IB.6, IB.16, etc. In

case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly to specify the role of the Engineer by the Procuring Agency, otherwise the Engineer's reference wherever exist, except Sub-Clause 1.1.20 & Clause 15 of Conditions of Contract and Item 1.1.20 of Contract Data, shall be deleted.

E. Bidding Data

The blank spaces wherever shown in Bidding Data are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Contents of IB.10.3 may be retained or modified by the Procuring Agency.
2. Procuring Agency should insert required experience in IB.11.2.
3. Referring to IB.14.1, the period of bid validity may range from 30 to 90 days depending upon the size and nature of the works. Number of days shall be filled in as per Procuring Agency's requirements.
4. Contents of IB.16.3 to IB.16.8 may be retained or modified by the Procuring Agency in accordance with its requirements.

F. Schedules to Bid

Specimen of Schedules to Bid including format of Schedule of Prices are provided in this document. The Procuring Agency may add/delete/modify as per its requirement.

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents except those required to be provided by the Contractor.

G. Conditions of Contract

The procuring agency while preparing Contract Data, shall ensure that no Clause of Conditions of Contract is deleted and that the changes included in Contract Data shall be such as not to change the spirit of the document. Any adjustment or change in clauses of Conditions of Contract to meet specific project features shall be made with care and incorporated in Contract Data.

H. Contract Data

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Referring to Sub-Clause 1.1.1 of Conditions of Contract, the Engineer/Procuring Agency may add, in order of priority, such other documents as to form part of the Contract, in Sub-Clause 1.3 of the Contract Data.
2. The Procuring Agency's Representative, if any, shall exercise powers of the Procuring Agency under and in connection with Sub-Clauses 1.3, 2.3, 4.2, 4.3, 5.1, 7.3, 8.2, 9.1, 9.2, 10.1, 10.2, 10.5, 11.1, 11.5, 12.1, 13.2 and 14.1 of the Conditions of Contract. In case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly by the Procuring Agency.

3. The sum insured for different insurances including minimum amount of third party insurance should be assessed by the Engineer/Procuring Agency and entered in Contract Data. Such insurance cover shall be carried out with Insurance Company having at least AA rating from PACRA / JCR in the favour of the procuring agency.
4. The time for completion of the whole of the works should be assessed by the Engineer/Procuring Agency and entered in the Contract Data.
5. The Conditions of Contract contain no overall limit on the Contractor's liability. The amount of **liquidated damages** per day of delay shall be entered by the Engineer/Procuring Agency in Contract Data. Usually the liquidated damages are set between **0.05 percent and 0.10 percent per day and the maximum limit as 10 percent of contract price stated in the Letter of Acceptance.**
6. Any amendment and/or additions to the Conditions of the Contract that are specific to a given Bid/Contract should be included by the Procuring agency. This may include but not be limited to the provisions regarding the following:
 - a) Terms of Payment should be prepared and incorporated in Contract Data by the Engineer/Procuring Agency.
 - b) The Engineer/Procuring Agency to make sure that all taxes and duties are included by the Bidders/Contractors in their prices.

I. Specifications

To be prepared and incorporated by the Engineer/Procuring Agency

J. Drawings

To be prepared and incorporated by the Engineer/Procuring Agency, if required.

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INVITATION FOR BIDS

INVITATION FOR BIDS

Date: _____
Bid Reference No.: _____

1. The Procuring Agency, _____ [*enter name of the procuring agency*], invites sealed bids from interested firms or persons licensed by the Pakistan Engineering Council in the appropriate category(*not required for works costing Rs 2.5 million or less*) and/or duly pre-qualified(*if pre-qualification is done for specific scheme/project*) with the Procuring Agency for the Works, _____ [*enter title, type and financial volume of work*], which will be completed in _____ [*enter appropriate time period*] days.
2. A complete set of Bidding Documents may be purchased by an interested eligible bidder on submission of a written application to the office given below and upon payment of a non-refundable fee of Rupees _____ (*Insert Amount*). Bidders may acquire the Bidding Documents from the Office of the Procuring Agency, at _____ (Mailing Address).
3. All bids must be accompanied by a Bid Security in the amount of Rs. _____ (Rupees _____) or _____ percentage of bid price in the form of (*pay order / demand draft / bank guarantee*) and must be delivered to _____ (*Indicate Address and Exact Location*) at or before _____ hours, on _____ (Date). Bids will be opened at _____ hours on the same day in the presence of bidders' representatives who choose to attend, at the same address [*indicate the address if it differs*].

- [Note: 1. *Procuring Agency to enter the requisite information in blank spaces.*
2. *The bid shall be opened within one hour after the deadline for submission of bids.]*

INSTRUCTIONS TO BIDDERS & BIDDING DATA

Notes on the Instructions to Bidders

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are not normally included in this Section, but rather in the appropriate sections of the *Conditions of Contract* and/or *Contract Data*.

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(Note: *These Instructions to Bidders (IB) along with Bidding Data will not be part of Contract and will cease to have effect once the Contract is signed*).

6

IB.13 Bid Security

NPK b _____ I _____ I _____ I _____ p _____
 _____ L _____ _____ a _____ m _____ K
 o _____ *Deposit at Call/ Payee's Order or a Bank Guarantee* _____
 p _____ m _____ m _____
 _____ **KOU** _____ *Bid security should not be below*
1%.and not exceeding 5% of bid price/estimated cost SPP Rule 37 **K**

NPIO _____ p _____
 m _____ J _____ K

NPR q _____ p _____ K

NPIQ q _____ p _____ m _____ p _____ I _____ **fpmmio** _____ **PIHK**

NPR q _____ p _____ **W**

EF _____ **X**

EF _____ m _____ I _____ p _____ J _____
NSIQEF _____ **X**

EF _____ I _____ **W**

EF _____ m _____ p _____

EF _____ **K**

IB.14 Validity of Bids, Format, Signing and Submission of Bid

NKN _____ a _____
 _____ K

14.Of _____ I _____ m _____ **NP** _____ **K** _____
 _____ **K** _____ _____
 _____ p _____ **K** _____ _____
 _____ I _____ _____
 _____ p _____ I _____
 f _____ **KP** _____ **fpmmio** _____ **PUK**

NQR _____ p _____ _____ **K**

NQQ k _____ c _____ _____ **K**
 f _____ I _____
 _____ **K**

NQR b _____l _____a _____
 _____f_K _____
 —ORIGINALl and —COPYl as appropriate. In the event of discrepancy between them,
 _____K

NQS q _____
 _____E _____Im _____
 _____Kq _____m _____
 _____K _____
 _____K

NQT q _____m _____
 _____a _____K

D. SUBMISSION OF BID

IB.15 Deadline for Submission, Modification & Withdrawal of Bids

NRK _____m _____L _____
 a _____K

NRIO q _____

EF _____m _____a _____X

EF _____
 _____a _____X

EF _____
 _____a _____K

EF _____NRIO _____

 _____K

EF f _____I _____m _____
 _____K



















NRIP _____I _____J _____K

NRIQ _____m _____
 _____a _____K

NRIR _____
 _____m _____
 _____K

NRIS t _____c _____
 _____p _____f_KPREHK

IB.16 Bid Opening, Clarification and Evaluation (SPP Rules 41, 42 & 43)

NSIS                  

_____K

(A). Major (material) Deviations include:-

EF _____X

EF _____X

EF _____X

EF _____X

EF _____j _____J _____L _____a _____X

EF _____J _____a _____X

EF _____a _____I _____X

EF _____I _____X

EF _____W

EF _____I _____X

EF _____L _____K

(B) Minor Deviations

_____m

_____Kq _____K

NSK q _____b _____Im _____f_ _____NSIS _____K_ _____Kq _____b _____m _____f_ _____K

Technical Evaluation: f _____q _____m _____a _____Kc _____I _____p _____L _____q _____m _____Kl _____p _____t _____K

NSK b _____m

f _____I _____b _____Im _____m _____I _____E _____F _____b _____m _____W

EF _____f_ _____K

IB.18. Post Qualification









m I K

IB.19 Award Criteria & Procuring Agency's Right

NMO k f_KMN m I I m I Kk Epmo ORK

IB.20 Notification of Award & Signing of Contract Agreement

OMO t EMF m p
I m
c _ a I
K

OMP q   **JJJJB**  **E**  **F**  **i**  **c**  **m**  **K**

IB.21 Performance Security

ONK q m p
ENQ i pnmPVK
ONO c p J f_KOM
C OMP ONK f_KO
_ p K
ONP m W I I I k W
ENf b o X
KOf c X
EPF_ n p o Kpmm o RMF

IB.22 Integrity Pact

q c f m
p Jc a p d
o EMF Kc f m J
Ipmmio UMK

BIDDING DATA

Eq _____ **b** _____ **lm** _____
_ _____ **a** _____ **Kq** _____ **I** _____
_____ **I** _____ **f** _____ **Kt** _____ **I** _____
_____ **f** _____ **K**

Instructions to Bidders

Clause Reference

Name of Procuring Agency

p i r l h

Insert name of the Procuring Agency)

Brief Description of Works

REPAIR AND RENOVATION UNIVERSITY CAMPUS GHOTKI OF SHAH ABDUL LATIF UNIVERSITY
(OLD DEGREE COLEGE) (CIVIL WORK) (PHASE-I)

[illegible]

b b E F | | | | | | | | | | | | | | |
p i r I h K | | | | | | | | | |

Insert address of the Procuring Agency with telex/fax)

EF b W

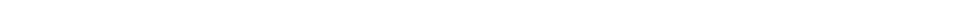
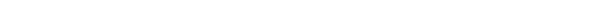
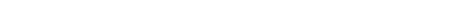
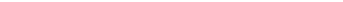


b c i p

b b H H p i r I h K

Eg [] [] [] M Q P J V O U M M N F [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []

Insert name and address of the Engineer, if any, with telex/fax.)

Diagram illustrating a block cipher structure. The input is a 128-bit message (m). The message is processed through a series of 16 rounds of computation, each taking a 128-bit key (K) as input. The output is a 128-bit ciphertext (m).

NNO \bar{q}  **I**  **I**  **I**  **I**  **I**  **I** **I**

Kc _____ We must have turnover of Rs:6.000 Million of last 03 Years);

ii. q [] (mention the appropriate category of registration with PEC and qualification and experience of the staff);

Mention the names and number of equipments required for the work)

KMP v o b K

FORM OF BID AND SCHEDULES TO BID

$$E \text{ b q q b o } \perp \text{ c } \perp \text{ c c b o } F$$

(Name of Works)

q □ W

d I

NK e _ a f _ I
_ a I I a Ip I
a I Ip m k K
| | | | | | | | | | | | | | | | J | | | | I
I					I													
m																		
a															q _ m			
o										E					F			
a | | | | K

[illegible]


PK

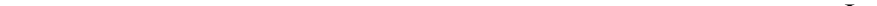
— I — p

FOUR

K

QK t I I t EF a K

RK t 

SK r  I _ I

TK t  I  I  m  p 

[SCHEDULES TO BID INCLUDE THE FOLLOWING:

- [illegible]

SCHEDULE – A TO BID

SCHEDULE OF PRICES

Sr. No.

Page No.

NK

m□□□□ □□□□□□ p□□□□□□□□□□ m□□□□□ □ □ □ K□□□Q

OK

p□□□□□□□□□□ m□□□□□□ □ □ □ □ □ □ □ □ K□□□□S

GEFp□□ □ □□□□□□□□ □□ m□□□□□□

GEFa□□□□□□□□ p□□□□□□□□□□ m□□□□□□□□ L□□□□□□□□ n□□□□□□□□□□ E l n F

G[To be prepared by the Engineer/Procuring Agency]

SCHEDULE - A TO BID




PREAMBLE TO SCHEDULE OF PRICES





1. General

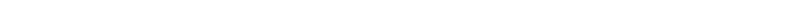

$\mathbb{N} \times \mathbb{N}$
 q
 p
 m
 a
 p
 a
 I
 K

[illegible]

2. Description

OKN q  p  m  K

o  _  a  p 





m  K 

3. Units & Abbreviations




















[illegible]

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Procuring Agency).

4. Rates and Prices

QK b  p m  X  I  K

[illegible]

QR   I                                 

QQ q p m I

SCHEDULE - A TO BID

_____I_____

_____it _____

_____K

q _____I_____

p _____m _____K_____

_____m_____

_____p _____m _____K

QR EFq _____

_____K

GEF q _____

_____p _____K

**(Procuring Agency may modify as appropriate)*

QS q _____it _____

_____Kk _____I_____I_____K

t _____I_____p _____I_____

_____m _____K

5. Bid Prices

RN _ _____J_____ _ _____m_____

q _____ _ _____m_____

m _____p _____m _____K

q _____

_____it _____

_____p _____m _____K

RO q _____ _ _____m_____

q _____p _____m_____

p _____ _ _____m _____K

6. Provisional Sums and Day work

SN m _____p _____p _____m _____

_____I_____

_____b _____lm _____Kq _____

_____p _____I_____

_____b _____lm _____K

SIO a _____

_____b _____

_____K

SCHEDULE - A TO BID

SCHEDULE OF PRICES – SUMMARY OF BID PRICES (Sample)

[illegible]

SCHEDULE - A TO BID

SCHEDULE OF PRICES

Item No.	Description	Quantity	Unit Rate(Rs)	Total Amount (Rs)
NK CK PK	I. (Civil works)			
NK CK PK	II. Internal sanitary and water supply.			
NK CK PK	III. Electrification.			
NK CK PK	IV. External Development works.			
NK CK PK	V. Miscellaneous Items			
<p>q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> To be carried to Summary of Bid Price</p> <p>Add/ Deduct the percentage quoted above/below on the prices of items based on Composite Schedule of Rates.</p>				

SCHEDULE - B TO BID


***SPECIFIC WORKS DATA**

(To be prepared and incorporated by the Procuring Agency)

Copy Attached

**(Note: The Procuring Agency shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).*

WORKS TO BE PERFORMED BY SUBCONTRACTORS*

p 

G *The Procuring Agency should decide whether to allow subcontracting or not.*

In case Procuring Agency decides to allow subcontracting then following conditions shall be complied with:

PK p I C K

SCHEDULE – D TO BID

PROPOSED PROGRAMME OF WORKS


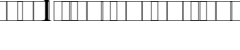











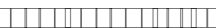








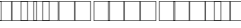



— q **E**m b o q F m j E m j F **K**q **I** **I** **I** **I** **I** **K**

SCHEDULE – E TO BID

METHOD OF PERFORMING WORKS

q t K

q  W

- q  t 
   K
-    I 
  L   K
- q   
 K
- l  C   
 I  t  
 K

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS

 $x \square \square \square \square \square \square \square \square z$

CONDITIONS OF CONTRACT

TABLE OF CONTENTS

CONDITIONS OF CONTRACT

Clause No	Description	Page No
NK d	m	KKPR
CK q	m	PT
PK b	/m	PT
QK q		PU
RK a		K KPU
SK m	o	PV
TK q		KKQM
UK q	l	KQN
VK o	a	KQN
NMKs		K QN
NNK	m	KKQP
NK a		QQ
NPk o	o	K KQS
NKf		KQS
NRk o	a	QT
NSKf	m	QU

1. GENERAL PROVISIONS

Definitions

The Contract

☐ —Contract means the Contract Agreement and the other documents listed in the

—Specifications means the document as listed in the Contract Data, including

—Drawings means the Procuring Agency's drawings of the Works as listed in the _____ a _____ s _____ K _____

Persons

—Procuring Agency¹ means the person named in the Contract Data and the legal

—Contractor_I means the person named in the Contract Data and the legal

—PartyI means either the Procuring Agency or the Contractor.

Dates, Times and Periods

—Commencement Date means the date fourteen (14) days after the date the _____ a _____ K _____

—Day¹¹ means a calendar day

—Time for Completion means the time for completing the Works as stated in the

Money and Payments

—Costs means all expenditure properly incurred (or to be incurred) by the

_____K

Other Definitions

KKKN —Contractor's Equipment¹ means all machinery, apparatus and other things _____t _____j _____m _____t _____K

KKKO —Country¹ means the Islamic Republic of Pakistan.

KKKP —m _____o _____p _____J _____SKK

KKKQ —Force Majeure¹ means an event or circumstance which makes performance of a m _____m _____K

KKKR _j _____E _____m _____F _____t _____K

KKKS —Plant¹ means the machinery and apparatus intended to form or forming part of _____t _____K

KKKT —Site¹ means the places provided by the Pr _____t _____I _____p _____K

KKKU —Variation¹ means a change which is instructed by the Engineer/Procuring _____p _____J _____NMKK

KKKV _t _____p _____I _____I _____K _____E _____F _____K

KKKM —Engineer¹ means the person notified by the Procuring Agency to _____b _____a _____K

NO Interpretation

t _____Ki _____K

NP Priority of Documents

q _____Kf _____I _____a _____K

NQ **Law**

q i f o m K

NR **Communications**

 b K

NS **Statutory Obligations**

q i f o m t K

2. **THE PROCURING AGENCY**

OKN **Provision of Site**

q m p a K

Site Investigation Reports K
 K
 p K

OKO **Permits etc.**

q m I I t K

OKP **Engineer's/Procuring Agency's Instructions**

q m
 b I m I
t K

OKQ **Approvals**

k b Im
 K

3. **ENGINEER'S/PROCURING AGENCY'S REPRESENTATIVES**

PKN **Authorised Person**

q m Kp
 a
 Kf m
 I I
 K

PKO Engineer's/Procuring Agency's Representative

q _____ b _____ Im _____ o _____
_____ a _____ K e _____
b _____ Im _____ I _____
_____ K

4. THE CONTRACTOR

QKN General Obligations

q _____
_____ Kq _____ I _____ j _____ Im _____
b _____

QJO Contractor's Representative

q _____
_____ m _____
_____ EF _____ m _____
_____ Kp _____ L _____
_____ m _____
_____ m _____ K

QRP Subcontracting

q _____ Kq _____
_____ m _____
_____ K

QQ Performance Security

q _____ m _____ ENQF _____
_____ i _____ m _____ p _____
_____ I _____ m _____ L _____ a _____ d _____
_____ a _____ K

5. DESIGN BY CONTRACTOR

RKN Contractor's Design

q _____ I _____
_____ a _____ Kq _____ b _____ Im _____
_____ I _____ ENQF _____
b _____ Im _____ I _____
_____ I _____ Kq _____

UO Taking-Over Notice

t ENQ
m lb
J Kt
I m lb
j m K

9. REMEDYING DEFECTS

VN Remedying Defects

q a
I m I
m lb
Kr I
I m lb
j K

c m
Ke I
s K

VIO Uncovering and Testing

q lb Im
Kr L
I I
L s
p J NMOK

10. VARIATIONS AND CLAIMS

NKN Right to Vary

q m /b s I EF Kt
m lb
s I EH
m lb L
m lb EMF
s I
p J K

NMO Valuation of Variations

s $\frac{1}{2} \frac{dW}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

NMR Changes in the Quantities.

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

F $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

NMQ Early Warning

q $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

q $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

NMR Valuation of Claims

f $\frac{1}{2} \frac{dW}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt} = \frac{1}{2} \frac{dW}{dt} \frac{1}{m} \frac{dm}{dt}$

NKP

t

NNQ

O

NIR

t

t

NKS

n

12.

NOKN

f

f

NKO Defaults by Procuring Agency

f m I I
I I I
p J Kf
ENQ m I
ft K

f IOU m
I
IONF I Kq
p K

NOR Insolvency

f m I m
Kq
I I
b m
ft K

NQK Payment upon Termination

I j m
I W

F p J NMQ

F m I

F m p J NOK NORI
m
ECMB F ft I

F p J NKO NOR
ENB F K

q IOU
K

13. RISKS AND RESPONSIBILITIES

NKN Contractor's Care of the Works

p p J VKI

the a m
lb p J UOK
o m Kf
ft I
ft K

r m
o I m I
I ft K

NPO Force Majeure

fc j I b Im
Kf I
ft I m
b K

f HQR I m
KOF
K

I
t j m
p I W

F p J NMQ

F I

F m K

q IPRF
K

14. INSURANCE

NQN Arrangements

q I ft I
I
a EF EF EF m o
p J SKKq
m Kq b Im
K

NQO Default

f
p J I I
I Im I

f I
 a K

15. RESOLUTION OF DISPUTES

NRKN Engineer's Decision

f m
 I I
 I b I Kp
 Kk
 KUF I
 b m
 fp b F K

r I
 I I
 m fp b F
 b
 I K

NRIO Notice of Dissatisfaction

f m b
 p J NRKN I m
 p J ENQF
 Kf
 m Kf
 I m
 b
 K


f b
 p b
 NQ I p b
 OU I
 NRPK

NRKP Arbitration


NQME k Ku NQMF o
 K
 a
 p J NRK

NSRN

f p J I
f m
p Jc _ I m W

EF 

EF X

(c) 

l p Jm EF p J I
b
Im I I
Km
p J NOQI p Jm EF
I m
p Jm EF EF p J K

CONTRACT DATA

(Note: Except where otherwise indicated, all Contract Data should be filled in by the Procuring Agency prior to issuance of the Bidding Documents.)

Sub-Clauses of Conditions of Contract

MRP m a I
(To be listed by the Procuring Agency)

NNQ The Procuring Agency ☐ ☐ ☐ ☐
Shah Abdul Latif University, Khairpur_____

~~NNR~~ The Contractor ☐ ☐ ☐ ☐
Who Offer Bid/Lowest Evaluated Bidder_____

[illegible]~~NEW~~ Time for Completion 90 Days

(The time for completion of the whole of the Works should be assessed by the Procuring Agency)

ENGINEER (mention the name along with the designation including whether he belongs to department or consultant) and other details
Executive Engineer (Works) _____
Shah Abdul Latif University, Khairpur.

Documents forming the Contract listed in the order of priority:

EF q

EF i

EF q c

EF 

EF

EF q p p m
















E F q □□**a** □□□ □□□□ I □□□□□□□□□□







EF q [] p []

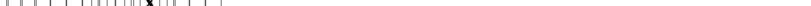

EF | | | | | | | | | | | | | | | | | | ☐

EF | | | | | | | | | | | | | | | | | | ☐



(The Procuring Agency may add, in order of priority, such other documents as form part of the Contract. Delete the document, if not applicable)





NF j   NMB  m  i 
   m   
  o   W  

E F p   C 
 I  I  X


E F a  ff 

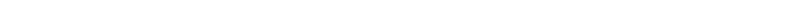
$E \sqcup F$
 \mathbf{p}
 \mathbf{L}
 \mathbf{P}

EF 0  p  W





EF p  I  E  FX  K

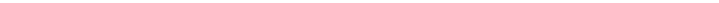
Ef m ff
the column; —deduct quantity utilized in work measured since
I f K

EF f    Wq         b          

EF q  n K

EUF  
EUF **KB**

E **F** **b**   
  
  **K**

EF 0  K

Valuation of the Works:

[illegible]

Fo J L p
 m
 po E H L

Diagram of a 1D lattice with 16 sites. Sites 1, 10, and 16 are occupied by fermions (F). Sites 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, and 15 are occupied by bosons (B).

Percentage of retention*: *five (5%)*

NKS Currency of payment: mKo

~~NON~~ **Insurances:** *(Procuring Agency may decide, keeping in view the nature and the scope of the work)*

Type of cover

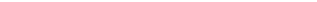
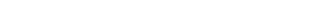

q

--	--	--	--

 t

--	--	--	--	--	--

Amount of cover

q  i  ENR F 

Type of cover

[illegible]

Amount of cover

c

Type of cover

q m J

(The minimum amount of third party insurance should be assessed by the Procuring Agency and entered).

$$t \quad \boxed{} \boxed{} \boxed{} \boxed{} \boxed{} \boxed{} W$$

1 GW

(In each case name of insured is Contractor and Procuring Agency)

NQO Amount to be recovered

NRP Arbitration**

[illegible]

G(*Procuring Agency to specify as appropriate*)

GG(*It has to be in the Province of Sindh*)

STANDARD FORMS

(Note: Standard Forms provided in this document for securities are to be issued by a bank. In case the bidder chooses to issue a bond for accompanying his bid or performance of contract or receipt of advance, the relevant format shall be tailored accordingly without changing the spirit of the Forms of securities).

E













































--	--	--	--

 d

--	--	--	--	--	--	--	--

 F

(i)

k  d  p   m  f 
 w     
k   m  e  f 
 w     
p   p  e   
 f  w    
_  o   k  k   a   

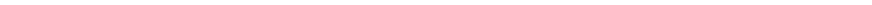
h k l t i i j b k v q e b p b m o b p b k q p I J d m E q —m F I I I I I I I I I I I I I I I I K

q e b l k a f q l k c q e f p i f d q f l k f p p r e I m
m
X F m

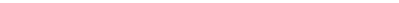
tebobplm
mm_pmmI
W

[illegible]

Diagram of a 1D lattice with 16 sites. The leftmost site is labeled 'EF' and the rightmost site is labeled 'I'. The 4th site from the left is labeled 'm'.

EF 

EF 

EF  m  p  I  p  J

Enf I p J

 f JOMOC OMP f I

i k K a

h k l t i i j b k _ v q e b p b m b p b k q p I
a i E a F
m d I
E
m F ,
m I I I K

q e b l k a f q f l k c q e f p i f d q f l k f p p r e I m
m D i
B k F

kl t qe bobcl obI m E F
I I a
a m
I d I I I
I I I
I a
I d I I
X
M o a I K

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the —Agreement) made on the _____
—Procuring Agency) of the one part and _____ (hereinafter called the
—Contractor) of the other part.

t e b o b p m t I
K

k l t W

NK f K

OK q I f I W

EF q i X
EF q c p X
EF C a X
EF q p m L E n EX
EF q p X
EF q a

PK f m I m t K

QK q m I m I m K

fk t fqbpp t eobl c
,
 K

p

 Ep F

p m

 Ep F

p Ip a W

t W

t W

Hk Iq F

Hk Iq F

d k K | | | | |

b | | | | |

E d m F

t e bob p | | | | | E

m F

|

|

| Em H

|

| E K

k a t e bob p m I

I o K | | | | | o

F | K

K

k a t e bob p m d K

k a t e bob p | | | | | Ep _ F

E d F

m I

d K

kl t qe bobcl ob d I

I d

m

K

k I m

I I I m

d I d

d

K

q d
 K

q d
 I I
 K

f d
 K

d p _ F

t W
 N

N p

p p F

OK k p

PK q












































































































































OK

k I q C F

d p F





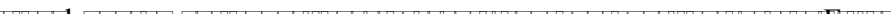







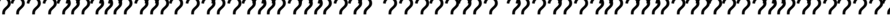








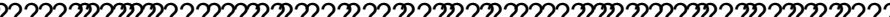








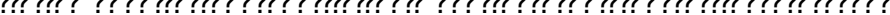



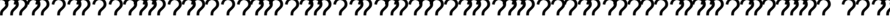







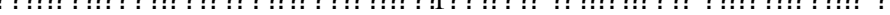

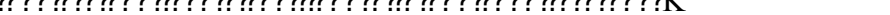









[illegible]

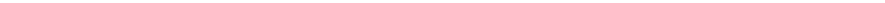
[illegible]

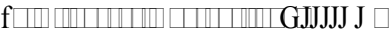

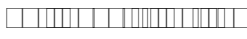
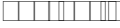





HF q   
 d  o  J 
 Eo  F        
         
 i t  v p       
         
         
         
         
         
         
         
         
         
         
   

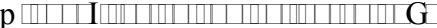

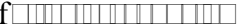
1 d
 X




EF p **Kf**

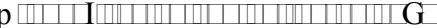


EF o                                                      




EF a  K

f  |  
d  p   J  
 K

p  G 
f 

p 
N  

p  G 
f 

p 
N  

[Note for Preparing the Specifications]

t  p 

t  I 

 K1 

 K3 

***DRAWINGS**

** (Note: The Engineer/Procuring Agency may incorporate specific Drawings for Bidding purposes only or may include the detailed drawings in a separate volume, if necessary).*