SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

Phone: 074- 4080091 – 96, Fax 4080460

No.CCL/NIT/2019/102
26 January 2019

To,

Manager Enforcement-II
Sindh Public Procurement
Regularity Authority
Barrack No.8
Secretariat 4A Court Road
Karachi
02199205356

Subject: - **NIT for Development Works: (SPPRA Sr.No.37827)**

Reference: - Our NIT No.SBBGCCL/NIT/2018/85 dated 18 December 2018 and Letter No.SBBGCCL/NIT/2019/93 dated 11 January 2019

Dear Sir,

Please find enclosed herewith following documents for the works mentioned in subject NIT for necessary action:-

a. Letter of Acceptance 3Nos.
b. Contract Agreement 3Nos.
c. Work Order 3Nos.
d. Integrity Pact 3Nos.
e. Contract Evaluation Form 3Nos.
f. Financial Bid of Lowest Bidder 3Nos.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

SPPRA INWARD DIARY
NO : 1058
DATED : 29-1-2019

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

Phone: 074- 4080091 – 96, Fax 4080460

No.SBBGCCL/Works/2019/95
23 January 2019

To,

M/S.Fazal Muhammad Mangrio
Mohalla Ismailabad,
Near Murad Wahhan Road,
Mahar Wadda Larkana
0300-3404170

Subject: - **Letter of Acceptance regarding Package-A (Academic Block and Admin Block) (SPPRA No.37827)**

1. This is to inform you that your financial proposal dated 10 January 2019 regarding **Package-A (Academic Block and Admin Block)** and after recommendations of Procurement Committee Shaheed Benazir Bhutto Girls Cadet College Larkana the competent authority has approved your lowest bid amounting to Rs.252,460,435/- "Rupees Twenty Five Crore Twenty Four Lac Sixty Thousand Four Hundred Thirty Five only) for the subject work.

2. It is, therefore, requested to furnish 10% performance security and govt. stamp duty @ 0.350% of the total contract amount in accordance with the conditions of contract as well as sign the contract agreement within stipulated time i.e. seven (07) days. The contract agreement is also enclosed, please.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

Copy to:
Manager Enforcement-II
Sindh Public Procurement
Regularity Authority
Barrack No.8
Secretariat 4A Court Road
Karachi
02199205356

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

Phone: 074- 4080091 – 96, Fax 4080460

No.SBBGCCL/Works/2019/ 96
23 January 2019

To,

M/S.Naseem Ahmed Shah
Akhuwat Nagar Gate-No.02
Bungalow No.110
Airport Road Sukkur
0301-3868718

Subject: - **Letter of Acceptance regarding Package-B (Hostels, Dining Hall and Bachelor's Hostels) (SPPRA No.37827)**

1. This is to inform you that your financial proposal dated 10 January 2019 regarding **Package-B (Hostels, Dining Hall and Bachelor's Hostels)** and after recommendations of Procurement Committee Shaheed Benazir Bhutto Girls Cadet College Larkana the competent authority has approved your lowest bid amounting to Rs.392,398,233/- "Rupees Thirty Nine Crore Twenty Three Lac Ninty Eight Thousand Two Hundred Thirty Three only) for the subject work.

2. It is, therefore, requested to furnish 10% performance security and govt. stamp duty @ 0.350% of the total contract amount in accordance with the conditions of contract as well as sign the contract agreement within stipulated time i.e. seven (07) days. The contract agreement is also enclosed, please.

(***Brigadier Ghulam Raza, SI(M) (Retd)***
Project Director

Copy to:
Manager Enforcement-II
Sindh Public Procurement
Regularity Authority
Barrack No.8
Secretariat 4A Court Road
Karachi
02199205356

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE LARKANA

Phone: 074- 4080091 – 96, Fax 4080460

No.SBBGCCL/Works/2019/ 97
23 January 2019

To,

M/S.Naseem Ahmed Shah
Akhuwat Nagar Gate-No.02
Bungalow No.110
Airport Road Sukkur
0301-3868718

Subject: - **Letter of Acceptance regarding Package-D (External Development and Boundary Wall) (SPPRA No.37827)**

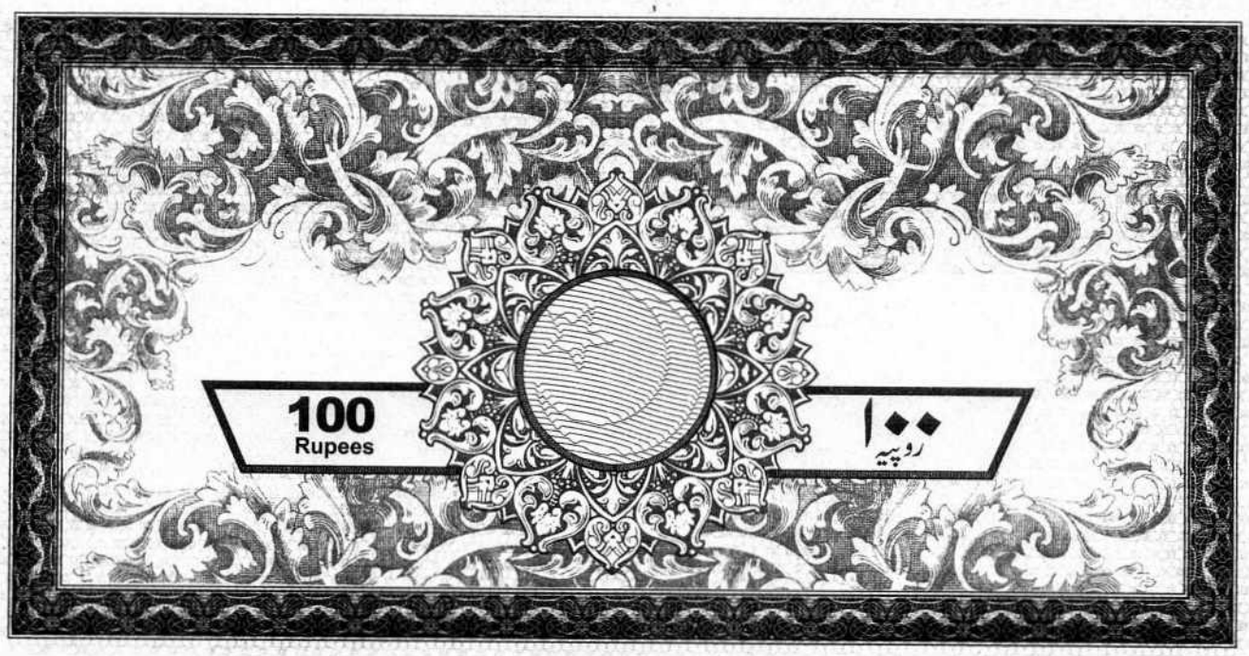
1. This is to inform you that your financial proposal dated 10 January 2019 regarding **Package-D (External Development and Boundary Wall)** and after recommendations of Procurement Committee Shaheed Benazir Bhutto Girls Cadet College Larkana the competent authority has approved your lowest bid amounting to Rs.250,541,015/- (Rupees Twenty Five Crore Five Lac Forty One Thousand Fifteen only) for the subject work.

2. It is, therefore, requested to furnish 10% performance security and govt. stamp duty @ 0.350% of the total contract amount in accordance with the conditions of contract as well as sign the contract agreement within stipulated time i.e. seven (07) days. The contract agreement is also enclosed, please.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

Copy to:
Manager Enforcement-II
Sindh Public Procurement
Regularity Authority
Barrack No.8
Secretariat 4A Court Road
Karachi
02199205356

N826841



DISTRICT ACCOUNTS OFFICER LARKANA
STAMPS ISSUED ON
15 JAN 2019
SDK

AGREEMENT

Agreement (hereinafter called the "**Agreement"),** made on the 23 day of January 2019, between the Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana, (hereinafter called the Employer, which expression shall mean and include successors) of the one part and Proprietor Mr.Fazal Muhammad Mangrio carrying on business under the name and style of M/S.Fazal Muhammad Mangrio, being maintaining his office at Mohalla Ismailabad, Near Murad Wahhan Road, Mahar Wadda Larkana) of the other part.

Whereas the Employer is desirous that certain Work "**Package-A (Academic Block and Admin Block"** has accepted a Bid by the Contractor for Rs.252,460,435/- (Rupees Twenty Five Crore Twenty Four Lac Sixty Thousand Four Hundred Thirty Five only) for the subject work on item rate basis, under SPPRA rule-2010, for the execution and completion of such works, and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Letter of Acceptance;
   (b) The completed Form of Bid along with Schedule to Bid;
   (c) Conditions of Contract & Contract Data;
   (d) The priced Schedule of Prices/Bill of quantities (BoQ);
   (e) The Specifications; and
   (f) The Drawings

3. In consideration of the payments to be made by the Shaheed Benazir Bhutto Girls Cadet College Larkana to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Shaheed Benazir Bhutto Girls Cadet College Larkana to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.

Contd: P/2

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

4. The Shaheed Benazir Bhutto Girls Cadet College Larkana hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signed. Sealed and Delivered in the presence of

For and on behalf of
Contactor

Signature: _____
Mr.Fazal Muhammad Mangrio
NIC No.43203-4929534-1

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

For and on behalf of
SBBGCCL

Signature: _____
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Witness: of Contractor

1. _____
Azhar Ali
43203-6840384-3

2. _____
Mohammad Hashim
43203-4039368-9

Witness: of SBBG Cadet College Larkana

1. _____
Imtiaz Hussain
Engineer
Cadet College Larkana

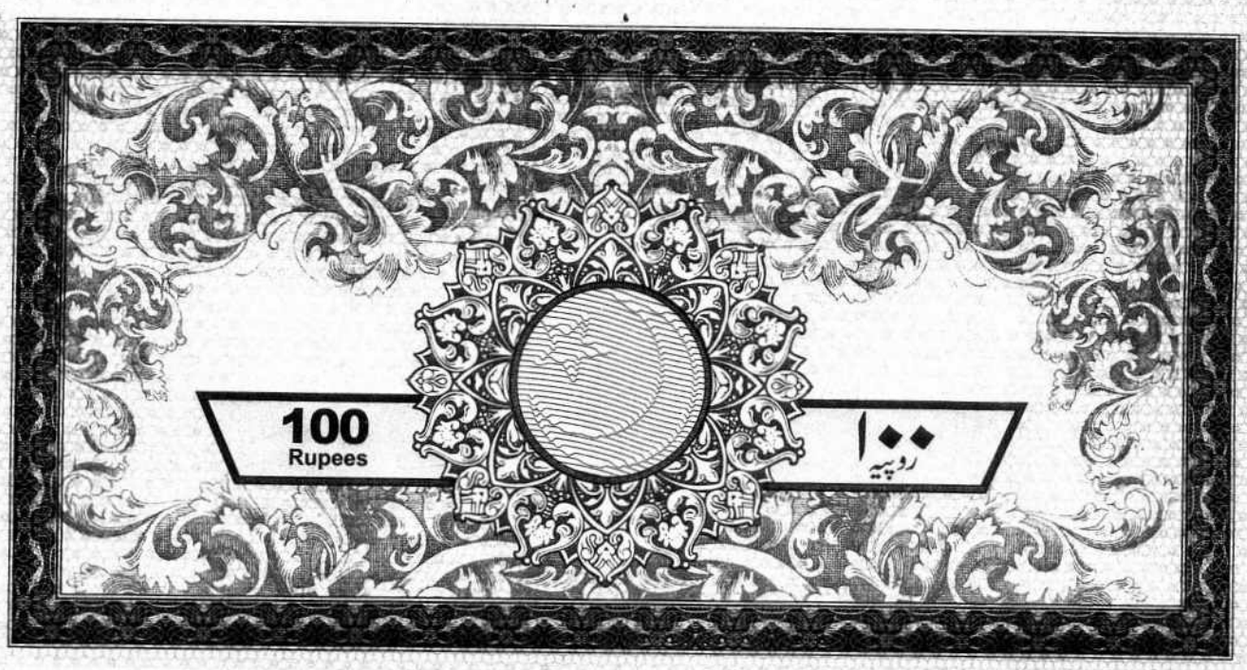
2. _____
Hakim Ali Tunio
UDC
Cadet College Larkana

N826842

100 Rupees

۱۰۰ روپیہ

AGREEMENT



DISTRICT ACCOUNTS OFFICER LARKANA
STAMPS ISSUED ON
15 JAN 2019
SDK D.A.O.L

Agreement (hereinafter called the "**Agreement"),** made on the 23 day of January 2019, between the Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana, (hereinafter called the Employer, which expression shall mean and include successors) of the one part and Proprietor Mr.Naseem Ahmed Shah carrying on business under the name and style of M/S.Naseem Ahmed Shah, being maintaining his office at Akhuwat Nagar Gate No.02 Bungalow No.110 Airport Road Sukkur) of the other part.

Whereas the Employer is desirous that certain Work "**Package-B (Hostels, Dining Hall and Bachelor's Hostels)** has accepted a Bid by the Contractor for Rs.392,398,233/- (Rupees Thirty Nine Crore Twenty Three Lac Ninty Eight Thousand Two Hundred Thirty Three only) for the subject work on item rate basis, under SPPRA rule-2010, for the execution and completion of such works, and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Letter of Acceptance;
   (b) The completed Form of Bid along with Schedule to Bid;
   (c) Conditions of Contract & Contract Data;
   (d) The priced Schedule of Prices/Bill of quantities (BoQ);
   (e) The Specifications; and
   (f) The Drawings

3. In consideration of the payments to be made by the Shaheed Benazir Bhutto Girls Cadet College Larkana to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Shaheed Benazir Bhutto Girls Cadet College Larkana to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.

Contd: P/2

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

4. The Shaheed Benazir Bhutto Girls Cadet College Larkana hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signed. Sealed and Delivered in the presence of

For and on behalf of
Contactor

Signature: _____
Mr.Naseem Ahmed Shah
NIC No.45501-5483179-9

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

Witness: of Contractor

1. _____

Abdul Wahab
45504-1034357-5

2. _____

Naeem Ali Shah
43302-4093233-7

For and on behalf of
SBBGCCL

Signature: _____
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Witness: of SBBG Cadet College Larkana

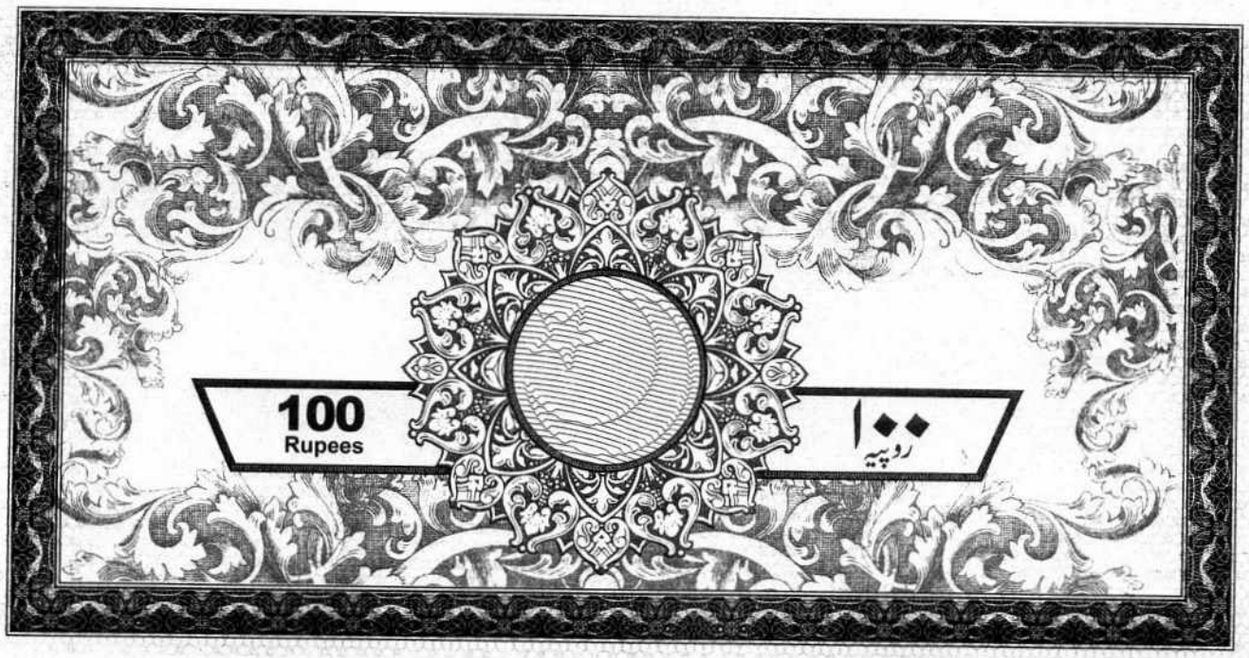
1. _____

Engineer
Cadet College Larkana

2. _____

Hakim Ali Tunio
UDC
Cadet College Larkana

N826843



DISTRICT ACCOUNTS OFFICER LARKANA
STAMPS ISSUED ON
15 JAN 2019
SDK

AGREEMENT

Agreement (hereinafter called the "**Agreement"),** made on the 23 day of January 2019, between the Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana, (hereinafter called the Employer, which expression shall mean and include successors) of the one part and Proprietor Mr.Naseem Ahmed Shah carrying on business under the name and style of M/S.Naseem Ahmed Shah, being maintaining his office at Akhuwat Nagar Gate No.02 Bungalow No.110 Airport Road Sukkur) of the other part.

Whereas the Employer is desirous that certain Work "**Package-D (External Development and Boundary Wall)** has accepted a Bid by the Contractor for Rs.250,541,015/- (Rupees Twenty Five Crore Five Lac Forty One Thousand Fifteen only) for the subject work on item rate basis, under SPPRA rule-2010, for the execution and completion of such works, and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

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   (b) The completed Form of Bid along with Schedule to Bid;
   (c) Conditions of Contract & Contract Data;
   (d) The priced Schedule of Prices/Bill of quantities (BoQ);
   (e) The Specifications; and
   (f) The Drawings

3. In consideration of the payments to be made by the Shaheed Benazir Bhutto Girls Cadet College Larkana to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Shaheed Benazir Bhutto Girls Cadet College Larkana to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.

Contd: P/2

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

4. The Shaheed Benazir Bhutto Girls Cadet College Larkana hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signed. Sealed and Delivered in the presence of

For and on behalf of
Contactor

Signature: _____
Mr.Naseem Ahmed Shah
NIC No.45501-5483179-9

M/S Naseem Ahmed Shah
Government Contractor

For and on behalf of
SBBGCCL

Signature: _____
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Witness: of Contractor

1. _____
ABDUL WAHAB
45504-1034357-5

2. _____
Naeem Ali Shah
43302-4093233-7

Witness: of SBBG Cadet College Larkana

1. _____
Engineer
Cadet College Larkana

2. _____
Hakim Ali Junio
UDC
Cadet College Larkana

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

No.SBBGCCL/Works/2019/ 99
24 January 2019

To,

M/S.Fazal Muhammad Mangrio
Mohalla Ismailabad,
Near Murad Wahhan Road,
Mahar Wadda Larkana
0300-3404170

Subject: - **Construction of Package-A (Academic Block and Admin Block)**

Reference: - Your Tender dated 10 January 2019

Dear Sir,

1. The competent authority is pleased to accept your Tender with the lowest cost of Rs.252,460,435/- only.

2. The approval and acceptance for your tender is subject to the following conditions:-

a. No separate payment for carriage of material will be made for the items. All the materials required for such items will be brought at site by you at your own cost.

b. No payment of extra item will be made unless written order is given to you by the Principal & Project Director or Engineer for execution of extra items.

c. The description, rate and unit of every item given in the Schedule 'B' are same as given in the relevant standard schedule of rates. Any error/omission, as and when found, shall be referred to the particular schedule of rate and got it corrected accordingly.

d. Income Tax @ 7.5% shall be deducted from the bills on the value of work done and paid for.

e. Security deposit @ 10% will be recovered from your running bills while making payments thereof.

f. Cement free from all impurities will be arranged by you and it will conform to the British standard specification, set or partly set cement will not be allowed to be used in the work.

g. Bajri, stone and sand from Bholari will be used in all items which involved use of cement.

h. Time allowed for completion of work is only 18 months, and will be reckoned with effect from the actual date of issue of this letter.

i. The work must be carried out strictly as per specification.

j. You will not be paid Escalation/Difference of Cost on any Non-Schedule Item.

k. You should submit Construction Schedule within 07 Days after issuance of work order.

3. You are also advised to supply this office a copy of Partnership Deed/Registration Deed of the firm and power of attorney in the name of partner/any employee of the firm whom you have authorized to sign the bills, receive the payments, etc, and instructions in respect of this work.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

No.SBBGCCL/Works/2019/100
24 January 2019

To,

M/S.Naseem Ahmed Shah
Akhuwat Nagar Gate-No.02
Bungalow No.110
Airport Road Sukkur
0301-3868718

Subject: - **Construction of Package-B (Hostels, Dining Hall and Bachelor's Hostels)**

Reference: - Your Tender dated 10 January 2019

Dear Sir,

1. The competent authority is pleased to accept your Tender with the lowest cost of Rs.392,398,233/- only.

2. The approval and acceptance for your tender is subject to the following conditions:-

   a. No separate payment for carriage of material will be made for the items. All the materials required for such items will be brought at site by you at your own cost.

   b. No payment of extra item will be made unless written order is given to you by the Principal & Project Director or Engineer for execution of extra items.

   c. The description, rate and unit of every item given in the Schedule 'B' are same as given in the relevant standard schedule of rates. Any error/omission, as and when found, shall be referred to the particular schedule of rate and got it corrected accordingly.

   d. Income Tax @ 7.5% shall be deducted from the bills on the value of work done and paid for.

   e. Security deposit @ 10% will be recovered from your running bills while making payments thereof.

   f. Cement free from all impurities will be arranged by you and it will conform to the British standard specification, set or partly set cement will not be allowed to be used in the work.

   g. Bajri, stone and sand from Bholari will be used in all items which involved use of cement.

   h. Time allowed for completion of work is only 20 months, and will be reckoned with effect from the actual date of issue of this letter.

   i. The work must be carried out strictly as per specification.

   j. You will not be paid Escalation/Difference of Cost on any Non-Schedule Item.

   k. You should submit Construction Schedule within 07 Days after issuance of work order.

3. You are also advised to supply this office a copy of Partnership Deed/Registration Deed of the firm and power of attorney in the name of partner/any employee of the firm whom you have authorized to sign the bills, receive the payments, etc, and instructions in respect of this work.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

No.SBBGCCL/Works/2019/101
24 January 2019

To,

M/S.Naseem Ahmed Shah
Akhuwat Nagar Gate-No.02
Bungalow No.110
Airport Road Sukkur
0301-3868718

Subject: - **Construction of Package-D (External Development and Boundary Wall)**

Reference: - Your Tender dated 10 January 2019

Dear Sir,

1. The competent authority is pleased to accept your Tender with the lowest cost of Rs.250,541,015/- only.

2. The approval and acceptance for your tender is subject to the following conditions:-

a. No separate payment for carriage of material will be made for the items. All the materials required for such items will be brought at site by you at your own cost.

b. No payment of extra item will be made unless written order is given to you by the Principal & Project Director or Engineer for execution of extra items.

c. The description, rate and unit of every item given in the Schedule 'B' are same as given in the relevant standard schedule of rates. Any error/omission, as and when found, shall be referred to the particular schedule of rate and got it corrected accordingly.

d. Income Tax @ 7.5% shall be deducted from the bills on the value of work done and paid for.

e. Security deposit @ 10% will be recovered from your running bills while making payments thereof.

f. Cement free from all impurities will be arranged by you and it will conform to the British standard specification, set or partly set cement will not be allowed to be used in the work.

g. Bajri, stone and sand from Bholari will be used in all items which involved use of cement.

h. Time allowed for completion of work is only 12 months, and will be reckoned with effect from the actual date of issue of this letter.

i. The work must be carried out strictly as per specification.

j. You will not be paid Escalation/Difference of Cost on any Non-Schedule Item.

k. You should submit Construction Schedule within 07 Days after issuance of work order.

3. You are also advised to supply this office a copy of Partnership Deed/Registration Deed of the firm and power of attorney in the name of partner/any employee of the firm whom you have authorized to sign the bills, receive the payments, etc, and instructions in respect of this work.

Brigadier Ghulam Raza, SI(M) (Retd)
Project Director

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. 99 Dated 24 January, 2019
Contract Value: Rs.252,460,435/-
Contract Title: **Package-A (Academic Block and Admin Block)**

M/S.Fazal Muhammad Mangrio Mohalla Ismailabad, Near Murad Wahhan Road, Mahar Wadda Larkana hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Shaheed Benazir Bhutto Girls Cadet College Larkana through any corrupt business practice.

Without limiting the generality of the foregoing, M/S.Fazal Muhammad Mangrio represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever from, Shaheed Benazir Bhutto Girls Cadet College Larkana except that which has been expressly declared pursuant hereto.

M/S.Fazal Muhammad Mangrio accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Shaheed Benazir Bhutto Girls Cadet College Larkana and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/S.Fazal Muhammad Mangrio accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to Shaheed Benazir Bhutto Girls Cadet College Larkana under any law, contract or other instrument, be voidable at the option of Shaheed Benazir Bhutto Girls Cadet College Larkana.

Notwithstanding any rights and remedies exercised by Shaheed Benazir Bhutto Girls Cadet College Larkana in this regard, M/S.Fazal Muhammad Mangrio agrees to indemnify Shaheed Benazir Bhutto Girls Cadet College Larkana for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Shaheed Benazir Bhutto Girls Cadet College Larkana in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by **M/S.Fazal Muhammad Mangrio** as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form Shaheed Benazir Bhutto Girls Cadet College Larkana.

.....
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

(M/S.Fazal Muhammad Mangrio)
M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. 100 Dated 24 January, 2019
Contract Value: Rs.392,398,233/-
Contract Title: **Package-B (Hostels, Dining Hall and Bachelor's Hostels)**

M/S.Naseem Ahmed Shah Akhuwat Nagar Gate No.02, Bungalow No.110 Airport Road Sukkur hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Shaheed Benazir Bhutto Girls Cadet College Larkana through any corrupt business practice.

Without limiting the generality of the foregoing, M/S.Naseem Ahmed Shah represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever from, Shaheed Benazir Bhutto Girls Cadet College Larkana except that which has been expressly declared pursuant hereto.

M/S.Naseem Ahmed Shah accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Shaheed Benazir Bhutto Girls Cadet College Larkana and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/S.Naseem Ahmed Shah accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to Shaheed Benazir Bhutto Girls Cadet College Larkana under any law, contract or other instrument, be voidable at the option of Shaheed Benazir Bhutto Girls Cadet College Larkana.

Notwithstanding any rights and remedies exercised by Shaheed Benazir Bhutto Girls Cadet College Larkana in this regard, M/S.Naseem Ahmed Shah agrees to indemnify Shaheed Benazir Bhutto Girls Cadet College Larkana for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Shaheed Benazir Bhutto Girls Cadet College Larkana in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by **M/S.Naseem Ahmed Shah** as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form Shaheed Benazir Bhutto Girls Cadet College Larkana.

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

.....
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

(M/S.Naseem Ahmed Shah)

SHAHEED BENAZIR BHUTTO
GIRLS CADET COLLEGE LARKANA

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS
(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. 101 Dated 24 January, 2019
Contract Value: Rs.250,541,015/-
Contract Title: **Package-D (External Development and Boundary Wall)**

M/S.Naseem Ahmed Shah Akhuwat Nagar Gate No.02, Bungalow No.110 Airport Road Sukkur hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Shaheed Benazir Bhutto Girls Cadet College Larkana through any corrupt business practice.

Without limiting the generality of the foregoing, M/S.Naseem Ahmed Shah represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever from, Shaheed Benazir Bhutto Girls Cadet College Larkana except that which has been expressly declared pursuant hereto.

M/S.Naseem Ahmed Shah accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Shaheed Benazir Bhutto Girls Cadet College Larkana and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/S.Naseem Ahmed Shah accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to Shaheed Benazir Bhutto Girls Cadet College Larkana under any law, contract or other instrument, be voidable at the option of Shaheed Benazir Bhutto Girls Cadet College Larkana.

Notwithstanding any rights and remedies exercised by Shaheed Benazir Bhutto Girls Cadet College Larkana in this regard, M/S.Naseem Ahmed Shah agrees to indemnify Shaheed Benazir Bhutto Girls Cadet College Larkana for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Shaheed Benazir Bhutto Girls Cadet College Larkana in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by **M/S.Naseem Ahmed Shah** as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form Shaheed Benazir Bhutto Girls Cadet College Larkana.

M/S Naseem Ahmed Shah
Government Contractor
PROPRIETOR

.....
Brigadier Ghulam Raza, SI(M) (Retd)
Project Director
Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

(M/S.Naseem Ahmed Shah)

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

1) NAME OF THE ORGANIZATION / DEPTT. Shaheed Benazir Bhutto Girls Cadet College Larkana
2) PROVINCIAL / LOCAL GOVT./ OTHER Autonomous Organization
3) TITLE OF CONTRACT Package-A (Academic Block and Admin Block)
4) TENDER NUMBER SPP SR. No. 37827
5) BRIEF DESCRIPTION OF CONTRACT Package-A (Academic Block and Admin Block)
6) FORUM THAT APPROVED THE SCHEME PDWP Sindh (P & D Department)
7) TENDER ESTIMATED VALUE Rs.252,460,435/-
8) ENGINEER'S ESTIMATE (For civil works only) Rs.256,415,509/-
9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 18 Months
10) TENDER OPENED ON (DATE & TIME) 10 January 2019, at 1300 hrs
11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers) 03 (Three)
12) NUMBER OF BIDS RECEIVED 03 (Three)
13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS Three
14) BID EVALUATION REPORT (Enclose a copy) Enclosed
15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Fazal Muhammad Mangrio Larkana
16) CONTRACT AWARD PRICE Rs.252,460,435/-
17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID).
    - Rs.252,460,435/- 1st Lowest
    - Rs.254,315,769/- 2nd Lowest
    - Rs.258,397,150/- 3rd Lowest
18) METHOD OF PROCUREMENT USED : - (Tick one)
    a) SINGLE STAGE – ONE ENVELOPE PROCEDURE Local — Domestic/ Local
    b) SINGLE STAGE – TWO ENVELOPE PROCEDURE N/A — Domestic Local
    c) TWO STAGE BIDDING PROCEDURE N/A — N/A
    d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE N/A — N/A

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

SPPRA

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	

21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	37827
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	NA
No	

22) NATURE OF CONTRACT

Domestic/ Local	✓	Int.	

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	✓	No	

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	✓	No	

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS?

Yes	✓	No	

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	✓	No	

SPPRA

31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	No

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	No

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	Nil

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	✓	No	

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes		No	✓

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	✓	No	

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	Nil

SPPRA

Signature & Official Stamp of
Authorized Officer

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

FOR OFFICE USE ONLY

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

1) NAME OF THE ORGANIZATION / DEPTT. — Shaheed Benazir Bhutto Girls Cadet College Larkana
2) PROVINCIAL / LOCAL GOVT./ OTHER — Autonomous Organization
3) TITLE OF CONTRACT — Package-B (Hostels, Dining Hall and Bachelor's Hostels)
4) TENDER NUMBER — SPP SR. No. 37827
5) BRIEF DESCRIPTION OF CONTRACT — Package-B (Hostels, Dining Hall and Bachelor's Hostels)
6) FORUM THAT APPROVED THE SCHEME — PDWP Sindh (P & D Department)
7) TENDER ESTIMATED VALUE — Rs.392,398,233/-
8) ENGINEER'S ESTIMATE (For civil works only) — Rs.367,486,921/-
9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) — 20 Months
10) TENDER OPENED ON (DATE & TIME) — 10 January 2019, at 1300 hrs
11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers) — 04 (Four)
12) NUMBER OF BIDS RECEIVED — 04 (Four)
13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS — Four
14) BID EVALUATION REPORT (Enclose a copy) — Enclosed
15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER — M/s. Naseem Ahmed Shah
16) CONTRACT AWARD PRICE — Rs.392,398,233/-
17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID).
    - Rs.392,398,233/- 1st Lowest
    - Rs.397,270,873/- 2nd Lowest
    - Rs.400,310,250/- 3rd Lowest
    - Rs.405,649,473/- 4th Lowest
18) METHOD OF PROCUREMENT USED : - (Tick one)
    a) SINGLE STAGE – ONE ENVELOPE PROCEDURE — Local — Domestic/ Local
    b) SINGLE STAGE – TWO ENVELOPE PROCEDURE — N/A — Domestic Local
    c) TWO STAGE BIDDING PROCEDURE — N/A — N/A
    d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE — N/A — N/A

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

SPPRA

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	

21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	37827
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	NA
No	

22) NATURE OF CONTRACT

Domestic/ Local	✓	Int.	

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	✓	No	

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	✓	No	

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS?

Yes	✓	No	

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	✓	No	

SPPRA

31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	No

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	No

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	Nil

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	✓	No	

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes		No	✓

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	✓	No	

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	Nil

SPPRA

Signature & Official Stamp of
Authorized Officer

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

FOR OFFICE USE ONLY

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

1) NAME OF THE ORGANIZATION / DEPTT. Shaheed Benazir Bhutto Girls Cadet College Larkana
2) PROVINCIAL / LOCAL GOVT./ OTHER Autonomous Organization
3) TITLE OF CONTRACT Package-D (External Development and Boundary Wall)
4) TENDER NUMBER SPP SR. No. 37827
5) BRIEF DESCRIPTION OF CONTRACT Package-D (External Development and Boundary Wall)
6) FORUM THAT APPROVED THE SCHEME PDWP Sindh (P & D Department)
7) TENDER ESTIMATED VALUE Rs.250,541,015/-
8) ENGINEER'S ESTIMATE (For civil works only) Rs.253,642,991/-
9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 12 Months
10) TENDER OPENED ON (DATE & TIME) 10 January 2019, at 1300 hrs
11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers) 04 (Four)
12) NUMBER OF BIDS RECEIVED 04 (Four)
13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS Four
14) BID EVALUATION REPORT (Enclose a copy) Enclosed
15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Naseem Ahmed Shah
16) CONTRACT AWARD PRICE Rs.250,541,015/-
17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATION BID).
    - Rs.250,541,015/- 1st Lowest
    - Rs.259,308,266/- 2nd Lowest
    - Rs.259,886,602/- 3rd Lowest
    - Rs.262,615,110/- 4th Lowest
18) METHOD OF PROCUREMENT USED : - (Tick one)
    a) SINGLE STAGE – ONE ENVELOPE PROCEDURE Local — Domestic/ Local
    b) SINGLE STAGE – TWO ENVELOPE PROCEDURE N/A — Domestic Local
    c) TWO STAGE BIDDING PROCEDURE N/A — N/A
    d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE N/A — N/A

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

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19) APPROVING AUTHORITY FOR AWARD OF CONTRACT Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	✓	No	

21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	37827
No	

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	NA
No	

22) NATURE OF CONTRACT

Domestic/ Local	✓	Int.	

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	✓	No	

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	✓	No	

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	✓	No	

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of Consultancies)

Yes	✓	No	

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	✓	No	

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS?

Yes	✓	No	

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?
(Attach copy of the bid evaluation report)

Yes	✓	No	

SPPRA

31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	No

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	No

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	Nil

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	✓	No	

36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes		No	✓

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	✓	No	

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	Nil

SPPRA

Signature & Official Stamp of
Authorized Officer

Project Director
Shaheed Benazir Bhutto
Girls Cadet College Larkana

FOR OFFICE USE ONLY

Print Save Reset

This is issued to M/s Fazal Mohammad Mangrio. 5/01/2019

S B B G C C L

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE

LARKANA, PAKISTAN

PACKAGE-A

ACADEMIC BLOCK INCLUDING LIBRARY

ADMIN BLOCK

M.T. GARAGE AND CAR PARK

DISPENSARY

TENDER DOCUMENTS

- CONDITIONS OF CONTRACT
- BILL OF QUANTITIES (BOQ)
- SPECIFICATIONS
- DRAWINGS (SEPARATELY BINDED)

EA CONSULTING (PRIVATE) LIMITED

EA Consulting Pvt Ltd

Head Office:AL-9, 15th Lane, Khayaban-e-Hilal,Phase 7,
Defence Housing Authority, Karachi. 75500 - Pakistan
Phone No. 111-111-584, Fax No. 584-1825
Email : info@eaworld.com | www.eaworld.com

December, 201

CONDITION OF CONTRACT



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INVITATION FOR BIDS

Form

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FORM OF BID

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FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

PART-I: GENERAL CONDITIONS OF CONTRACT

PART-II: PARTICULAR CONDITIONS OF CONTRACT

INVITATION
FOR
BIDS

PRE-QUALIFIED FIRMS ARE INVITED TO PARTICIPATE IN THE BID BY THE PROCURING AGENCY

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

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

A. GENERAL

IB.1 Scope of Bid

1.1 The Procuring Agency as defined in the Bidding Data hereinafter called "the Procuring Agency" wishes to receive bids for the construction and completion of works as described in these Bidding Documents, and summarised in the Bidding Data hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in para-6 of Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Procuring Agency has applied for/received loan/credit from the source (s) indicated in the Bidding Data in various currencies towards the cost of the project specified in the Bidding Data, and intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

Not applicable

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open for Pre-Qualified Contractors.

IB.4 One Bid per Bidder

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Procuring Agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Procuring Agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I (GCC).
4. Particular Conditions of Contract, Part-II (PCC).
5. Specifications – Special Provisions.
6. Specifications - Technical Provisions.
7. Form of Bid & Appendices to Bid.
8. Bill of Quantities (Appendix-D to Bid).
9. 2% Bid Security in shape of call deposit/pay order/demand draft issued by any scheduled bank of Pakistan in favor of **"Shaheed Benazir Bhutto Girls Cadet College Larkana"**
10. Form of Contract Agreement.
11. Forms of Performance Security and Mobilization Advance Bank Guarantee.
12. Drawings.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids/NIT. The Procuring Agency will respond to any request for clarification provided they are received at least five calender days prior to the date of opening of bid.

Provided that any clarification in response to query by any bidder; shall be communicated to all parties who have obtained bidding documents.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.

9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Agency may extend the deadline for submission of bids in accordance with Clause IB.20.

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring Agency shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

(a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;

(b) update the information indicated and listed in the Bidding Data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents which as a minimum, would include the following :

(i) Evidence of access to financial resources alongwith average annual construction turnover;
(ii) Financial predictions for the current year and the two following years including the effect of known commitments;
(iii) Work commitments since prequalification;
(iv) Current litigation information; and
(v) Availability of critical equipment.

and

(c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid	Proposed Construction Schedule
Appendix-F to Bid	Method of Performing the Work
Appendix-G to Bid	List of Major Equipment
Appendix-K to Bid	Organization Chart for Supervisory Staff

and other pertinent information such as mobilization programme etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:-

(a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;

(b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

(c) the partner-in-charge shall always be duly authorized to deal with the Procuring Agency regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

(d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para(b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid)

(e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Procuring Agency.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates 2012 (Government of Sindh), as the case may be.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates 2012 (Government of Sindh) if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates 2012 (Government of Sindh)

12.3 The Bid price submitted by the contractor shall include all rates and prices including the taxes. All Duties, taxes and other levies payable by the contractor under the contract.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring Agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids.

For the purpose of payments the exchange rates used in bid preparation shall apply for the duration of the Contract.

Not applicable

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Agency may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security (2% of bid value) in the amount in shape of call deposit/pay order/demand draft and in the form as stipulated in the Bidding Data (sub-para 15.1) in Pak Rupees .

15.2 The Bid Security shall be, at the option of the bidder, in shape of call deposit/pay order/demand draft issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.

15.4 The bid securities shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or validity period has expired.

15.5 The Bid Security of the successful bidder will not be returned but will be adjusted as part of Retention Money.

15.6 The Bid Security may be forfeited:

(a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or

(c) In the case of successful bidder, if he fails within the specified time limit to furnished the required Performance Security; sign the Contract Agreement or Furnish the required JV agreement within 7 days of the receipt of letter of acceptance (if applicable).

IB.16 Alternate Proposals by Bidder

16.1 Each Bidder shall submit only one bid either by himself, or as a member of joint venture.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Agency for the award of Contract to such bidder.

Not-applicable

IB.17 Pre-Bid Meeting

17.1 The Procuring Agency may, on his own motion or at the request of any bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all concerned bidders or their authorized represnentatives shall be invited to attend such a pre-bid meeting at their own expenses.

17.2 The Concerned bidders are requested to submit questions, if any, in writing so as to reach the Procuring Agency not later than seven (7) days before the proposed pre-bid meeting as mentioned in sub-para 17.1 of Bidding Data.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations one (1) original and 2 copies, specified in the Bidding Data, of the documents

comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and 'COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Agency, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit his bid as under:-

(a) ORIGINAL and 2 copies of the Bid shall be separately sealed and put in separate envelopes and marked as such.

(b) The envelopes containing the ORIGINAL and 2 copies will be put in one sealed envelope and addressed / identified as given in Sub- Clause 19.2 hereof.

19.2 The inner and outer envelopes shall:-

(a) be addressed to the Procuring Agency at the address provided in subpara-1.1 of the Bidding Data;

(b) bear the name and identification number of the contract as defined as mentioned in sub-para-1.2 in the Bidding Data; and

(c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

19.3 In addition to the identification required in Sub- Clause 19.2 hereof, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21

19.4 If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 (a) Bids must be received by the Procuring Agency at the address specified no later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail, if the bidder wishes to receive an acknowledgment of receipt, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

Not applicable

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Agency may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Procuring Agency and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1 (a) Any bid received by the Procuring Agency after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

(b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.

22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Procuring Agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.

23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Procuring Agency may consider appropriate, will be announced by the Procuring Agency aloud at the opening of bids.

23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring Agency shall announce he results of bid evaluation in form of report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if its website exists and intimated to all bidders at least 7 (seven) days prior to the award of contract. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Procuring Agency's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring Agency may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring Agency will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Agency's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Procuring Agency for any arithmetic errors. Errors will be corrected by the Procuring Agency as follows:

(a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring Agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Procuring Agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.

28.2 In evaluating the Bids, the Procuring Agency will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:

(a) making any correction for errors pursuant to Clause IB.27;

(b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Daywork; and

(c) making an appropriate adjustment for any other acceptable variation or deviation.

28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

28.4 If Bid of successful bidder is found seriously unbalanced in relation to the Procuring Agency's estimate of cost of work to be performed under the Contract, the Procuring Agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Procuring Agency may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring Agency against financial loss in the event of default of the successful bidder under the Contract.

28.5 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;

(i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

28.6 **Evaluation Report (SPP Rule 45)**
After the completion of evaluation process, as described in the clauses IB 27 IB 28, the procuring agency shall announce the results of bid evaluation in form of report (available on the website of the authority) giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the authority and that of procuring agency it its website exists and intimated to all bidders at least seven (7) dayd prior to the award of contract.

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence.

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring Agency's Right to Accept any Bid and to Reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Procuring Agency reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Agency will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, Procuring Agency may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Agency and the bidder till signing of the formal Contract Agreement.

31.4 Upon signing of contract with successful bidder the Procuring Agency will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

31.5 Within seven (7) days of the award of contract, procuring agency shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and following information:

(1) Evaluation Report
(2) Form of Contract and Letter of Award
(3) Bill of Quantities or Schedule of Requirement

31.6 **Debriefing (SPP Rule 51)**

(a) A Bidder may ask the Procuring Agency for reasons for non acceptance of his bid and may request for a debriefing meeting and Procuring Agency shall give him the reasons for such non acceptance, either in writing or by holding a debriefing meeting with such a bidder.

(b) The requesting bidder shall bear all the costs of attending such a debriefing.

IB.32 Performance Security (SPP Rule 39)

32.1 The successful bidder shall furnish to the Procuring Agency, a performance security of an amount equal to 10% of the contract price in the form of a bank guarantee as stipulated in the bidding Data and the Conditions of Contarct within fourteen (14) days after the receipt of letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

32.3 Validity of performance security shall extend at least three sixty four (364) days beyond the date of completion of contract to cover defects liability periods as mentioned in Appendix A to bid subject to final acceptance by the procuring agency.

IB.33 Signing of Contract Agreement (SPP Rule 39)

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Procuring Agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Agency.

33.3 A Procurement contract shall come into force when the Procuring Agency requires signs contract, the date on which the signatures of both the Procuring Agency and the successful bidder are affixed to the written contract. Such affixing of signatures shall take place within the time prescribed in the bidding documents.

Provided that the Procuring Agency may reduce the maximum time limit for signing of contract, as and when required, and shall be mentioned in the bidding documents.

33.4 **Stamp Duty**

The formal agreement between Procuring Agency and the successful bidder shall be duly stamped at the rate of 0.35% of bid price (updated from time to time) stated in the letter of acceptance.

IB.34 General Performance of the Bidders

The Procuring Agency may in case of inconsistent/ poor performance of the contractor and his failure to remedy the under performing contract may take such action as may be deemed appropriate under the circumstances of the case including the rescinding the contract and /or black listing of such contractors and debarring him from participation in future bidding process also refer the case of the contractor to the Pakistan Engineering Council (PEC) upon such reference PEC in accordance with its rules, procedures and relevant laws of the land take such actions as may be deemed appropriate under the circumstances of the case.

IB.35 Integrity Pact (SPP Rule 89)

The Bidder shall sign and stamp the Integrity Pact provided at Appendix to Bid in the Bidding Documents for all Provincial/Local Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

IB.37 Arbitration (SPP Rule 34)

Any dispute that is not amicably resolved shal be finally settled, unless otherwise specified in the contract, under the arbitration act 1940 updated from time to time and would be held anywhere in province of Sindh at the discretion of Procuring Agency.

BIDDING DATA

BD-2

BIDDING DATA

The following specific data for the Works to be bided shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders
Clause Reference

1.1 Name and address of the Procuring Agency:

Shaheed Benazir Bhutto Girls Cadet College Larkana

1.2 Name of the Project and Summary of the Works:

The name of the Works is "Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-A" which includes, but not limited to, the Academic Block including Library, Admin Block, M.T Garrage & Car Park and Dispensary.

2.1 Name of the Borrower/Source of Financing/Funding Agency:

Sindh Government Funds

8.1 Time limit for clarification:

Minimum number of days to seek clarification by the prospective Bidder shall be seven (7) calender days prior to the Date of Opening of Tender.

10.1 Languages:

English

13.1 Bidders to quote entirely in Pak. Rupees.

14.1 Period of Bid validity:

Bid shall be valid for 90 days from the date of opening of bid.

15.1 Amount of Bid Security:

Bid Security in form of Call Deposit / Pay Order/ Demand Draft of the amount at **2% of the Bid Price** in favor of **Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana** which shall remain Valid for a period of 28 days beyond the validity period of bids mentioned in para 14.1 above.

18.4 Number of copies of the Bid to be completed and returned:

One original of all Volumes (I, II, III and IV) and two copies of Volume-III (Bill of Quantities) as hard copy

19.2(a) Procuring Agency's address for the purpose of submission:

Shaheed Benazir Bhutto Girls Cadet College Larkana

19.2(b) Name and Number of the Contract:

"Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-A"

20.1(a) Deadline for submission of Bids:

Bids shall be received at Pricuring Agency's Address mentioned in para 19.2(a) above not later than 14:00 Hours on _____ 2018.

23.1 Venue, time, and date of opening:

Bids shall be opened at 15:00 hours on _____ 2018.

32.1 Standard form and amount of Performance Security acceptable to the Procuring Agency:

Performance Security shall be of an amount equal to **10%** of the contract price submitted in shape of a **bank guarantee or pay order or demand draft** valid till the expiry of defects liability period defined in Appendix-A to bid.

32.2 Stamp Duty

0.35% of bid price will be paid by successful bidder as stamp duty.

FORM OF BID
AND
APPENDICES TO BID

FB-1

FORM OF BID

Bid Reference No. **Shaheed Benazir Bhutto Girls Cadet College Larkana – Package-A.**

To:

Project Director,
Shaheed Benazir Bhutto
Girls Cadet College,
Larkana

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to you and valid for a period of _____days beginning from the date bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other Bidder for the Works.

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____day of_____20_____

Signature: _____

In the capacity of _____duly authorized to sign bids for and on behalf of

_____
(Name of Bidder in Block Capitals)
(Seal)

FB-2

Address:_____
_____
_____

Witness:

Signature: _____
Name: _____

Address. _____
_____

Occupation_____

BA-1
Appendix-A to Bid

SPECIAL STIPULATIONS

Clause
Conditions of Contract

For ease of reference, certain information and Special Stipulations applicable to the contract, which are the subject of this Bid, are set forth herein. Where these Conditions conflict with the provisions or requirement set forth elsewhere in the Contract Document, the Conditions as given in Appendix-A to Bid shall govern.

1.	Engineer's Authority to issue Variation in emergency	2.1	—	**Not Applicable**
2.	Time of submission & Amount Performance Security	10.1	With in **14 (Fourteen)** calender days of LOA for an amount of **10% (Ten percent)** of the contract Amount stated in the LOA in the form of irrevocable bank guarantee.	
3.	Time for Furnishing Programme	14.1	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
	Time for Furnishing Cash Flow	14.3	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
4.	Minimum amount of Third Party Insurance	23.2	**2% (Two Percent)** of the contact amount per occurrence. No. of occurrences unlimited.	
5.	Time for Commencement	41.1	Within **14 (Fourteen) calendar days** from the date of receipt of Engineer's Notice to Commence which shall be issued within **14 (Fourteen) calendar days** after signing of Contract Agreement.	
6.	Time for Completion	43.1, 48.2	**12 months** from the date of receipt of Engineer's Notice to Commence.	

7.	Amount of Liquidated Damages	47.1	**0.1% of the contact value** for each day of delay in completion of the Works subject to a **maximum of 10% of Contract Price** stated in the Letter of Acceptance.	
8.	Defects Liability Period	49.1	**12 months** from the effective date of Taking Over Certificate.	
9.	Percentage of Retention Money	60.2	**10%** of the amount of Interim/running Payments	
10.	Limit of Retention Money	60.2	**5%** of Contract Price to be stated in the letter of acceptance.	
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	____	**Not Applicable**
12.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring Agency	60.10	28 days in case of local currency.	
13.	Mobilization Advance (Interest Free)	60.12	**10% of Contract Price** stated in the Letter of Acceptance.	

BB-1

Appendix-B to Bid

FOREIGN CURRENCY REQUIREMENTS

1. The Bidder may indicate here in below his requirements of foreign currency (if any), with reference to various inputs to the Works.

Not applicable

2. Foreign Currency Requirement as percentage of the Price excluding Provisional Sums _____%.

3. Table of Exchange Rates

Unit of Currency	**Equivalent in Pak. Rupees**
Australian Dollar	----------
Euro	----------
Japanese Yen	----------
U.K. Pound	----------
U.S. Dollars	----------
----------	----------
----------	----------

BC-1

Appendix-C to Bid

PRICE ADJUSTMENT UNDER CLAUSE 70

OF CONDITIONS OF CONTRACT

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

(To be filled by the Procuring Agency)

Cost Element	Description	Weightages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.60	
(ii)	Local Labour**	0.20	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags	0.06	
(iv)	Reinforcing Steel	0.12	
(v)	High Speed Diesel (HSD)	0.02	
	Total	**1.00**	

** Percentage increase in the cost of Unskilled Labour as arrived from the above Monthly
Statistical Bulletin shall be applicable to the Skilled Labour of any trade as well.
Unskilled Labour wages represent that of skilled labour wages of all categories.

Notes:

1) Indices for "(ii)" to "(v)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) Any price adjustment shall be worked out only by taking the difference between the base cost indices or prices stated in the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin 28 days prior to the latest day for submission of bids and those indices or prices applying 28 days prior to the last day of the billing period taken from.

The actual amount of above stated adjustments shall be calculated as stipulated in clauses 70.1 of the Particular Conditions.

BD-1

Appendix-D to Bid

BILL OF QUANTITIES

See separate volume - III

BE-1

Appendix-E to Bid

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the Works and parts of the Works may meet Procuring Agency's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Whole Works	_____ days
b)	Part-A	_____ days
c)	Part-B	_____ days
d)	_____	_____ days
e)	_____	_____ days

BF-1

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

[The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.]

BG-1

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

BG-2

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

BH-1

Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).

2. Provision of Services.

   a) Power (expected power load, etc.).
   b) Water (required amount and system proposed).
   c) Sanitation (sewage disposal system, etc.).

3. Construction of Facilities

   a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
   b) Warehouses and Storage Areas (area required, type of construction and layout).
   c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Securily services, etc.).

BI-1

Appendix-I to Bid

LIST OF SUBCONTRACTORS

I/We intend to subcontract the following parts of the Work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Part of Works (Give Details)	Subcontractor (With Complete Address)
1	2

BJ-1

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Quarter/ Year/ Period	Amounts (1,000 Rs.)
1	2
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
5th Quarter	
6th Quarter	
7th Quarter	
8th Quarter	
9th Quarter	
Bid Price	

BK-1

Appendix-K to Bid

ORGANIZATION CHART FOR THE SUPERVISORY STAFF AND LABOUR

K-1 BL-1

Bid Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer: .....
Signature: .....
[Seal]

Name of Seller/Supplier: .....
Signature: .....
[Seal]

FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

BS-1

BID SECURITY

(Bank Guarantee)

(On the required value of non-judicial Stamp Paper of the Government of Pakistan)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

_____

Penal Sum of Security Rupees. _____(Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto

_____

(hereinafter called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for_____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Agency, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Agency, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Agency after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Agency pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Agency in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

BS-2

PROVIDED THAT the Surety shall forthwith pay the Procuring Agency the said sum upon first written demand of the Procuring Agency (without cavil or argument) and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring Agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

_____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

PS-1

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address:_____
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address:_____

_____

Penal Sum of Security (express in words and figures)_____

_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PS-2

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor (Bank)

Witness:

1. _____

_____
Corporate Secretary (Seal)

2. _____

_____
Name, Title & Address

Signature _____

Name _____

Title _____

_____
Corporate Guarantor (Seal)

CA-1

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of_____(month) 20____ between _____ (hereafter called the "Procuring Agency") of the one part and _____(hereafter called the "Contractor") of the otherpart.

WHEREAS the Procuring Agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Contract Agreement;
   (b) The Letter of Acceptance;
   (c) The completed Form of Bid;
   (d) Special Stipulations (Appendix-A to Bid);
   (e) The Particular Conditions of Contract – Part II;
   (f) The General Conditions – Part I;
   (g) The completed Appendices to Bid (B, C, E to L);
   (h) The Drawings;
   (i) The Specifications; and
   (j) Any other document forming part of the Contract

3. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

_____

(Seal)

Signature of Procuring Agency

_____

(Seal)

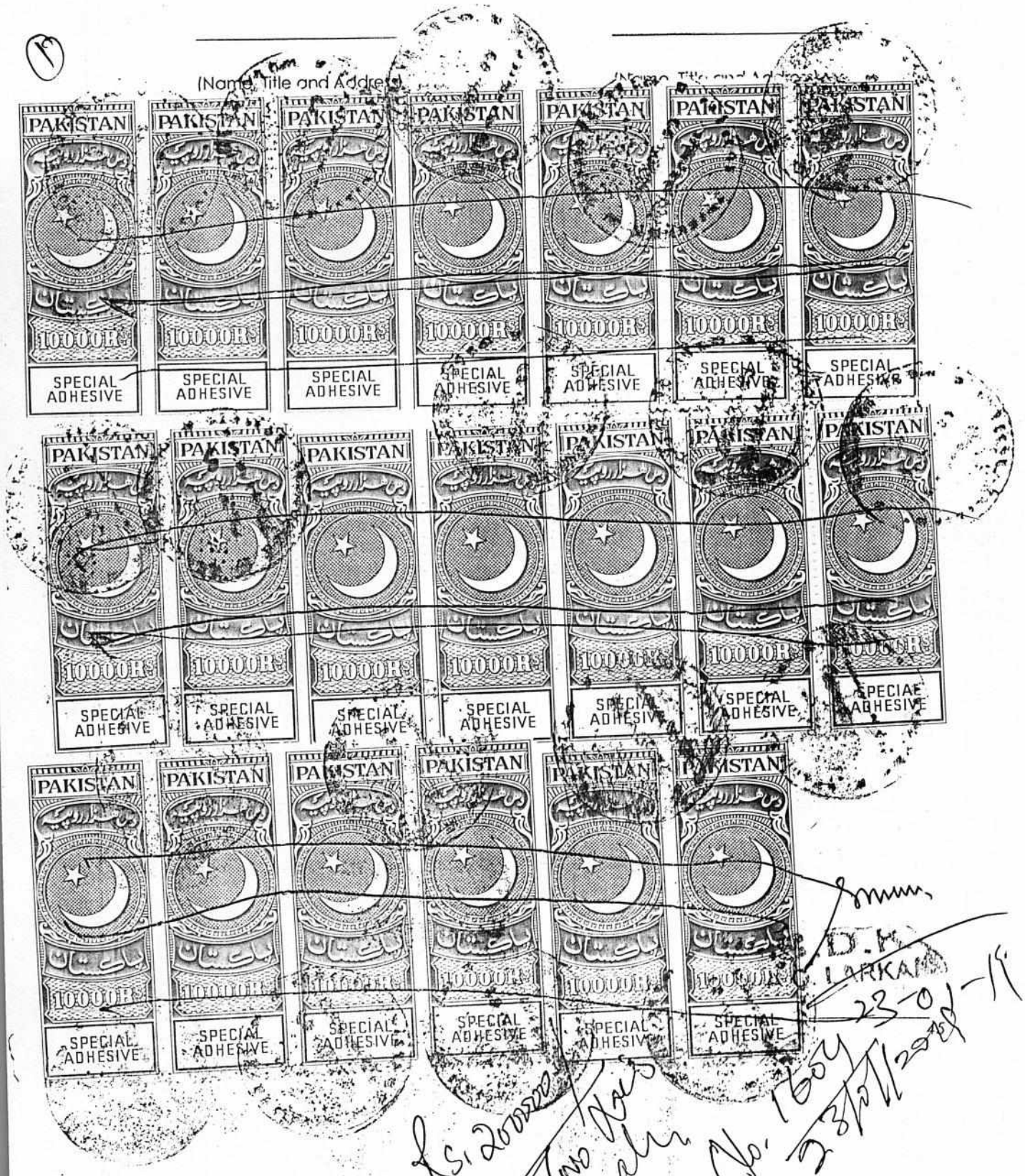
CA-2

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:



MG-1

MOBILIZATION ADVANCE GUARANTEE
(Bank Guarantee)

Guarantee No._____ Date _____

WHEREAS _____ (hereinafter called the 'Procuring Agency') has entered into a Contract for _____
(Particulars of Contract)
with _____ (hereinafter called the "Contractor').

AND WHEREAS, the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Agency has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____
(Scheduled Bank in Pakistan)
(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____ whichever is earlier.
(Date)
The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees _____ (Rs _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

MG-2

GUARANTOR

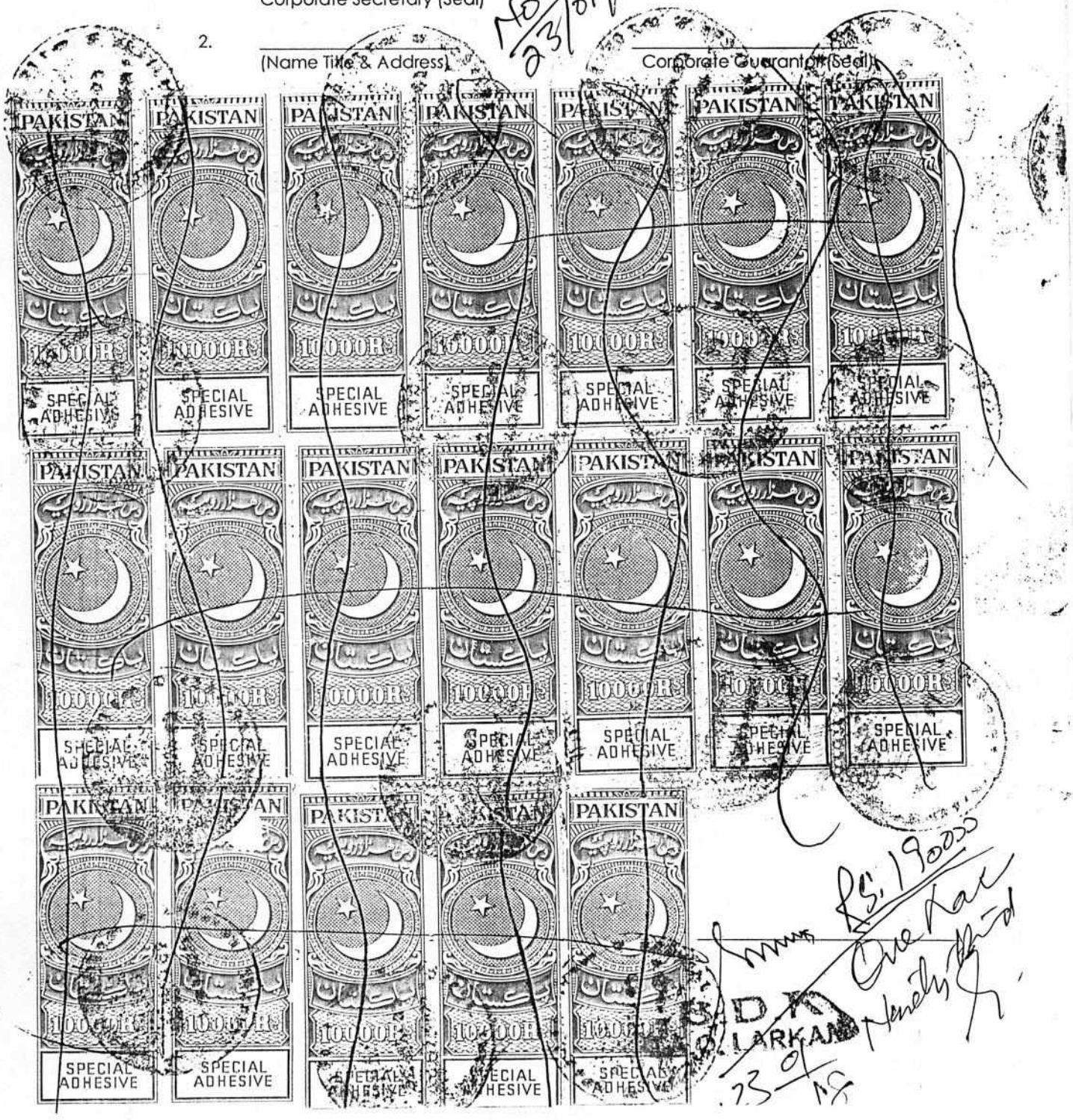
1. Signature _____
2. Name _____
3. Title _____

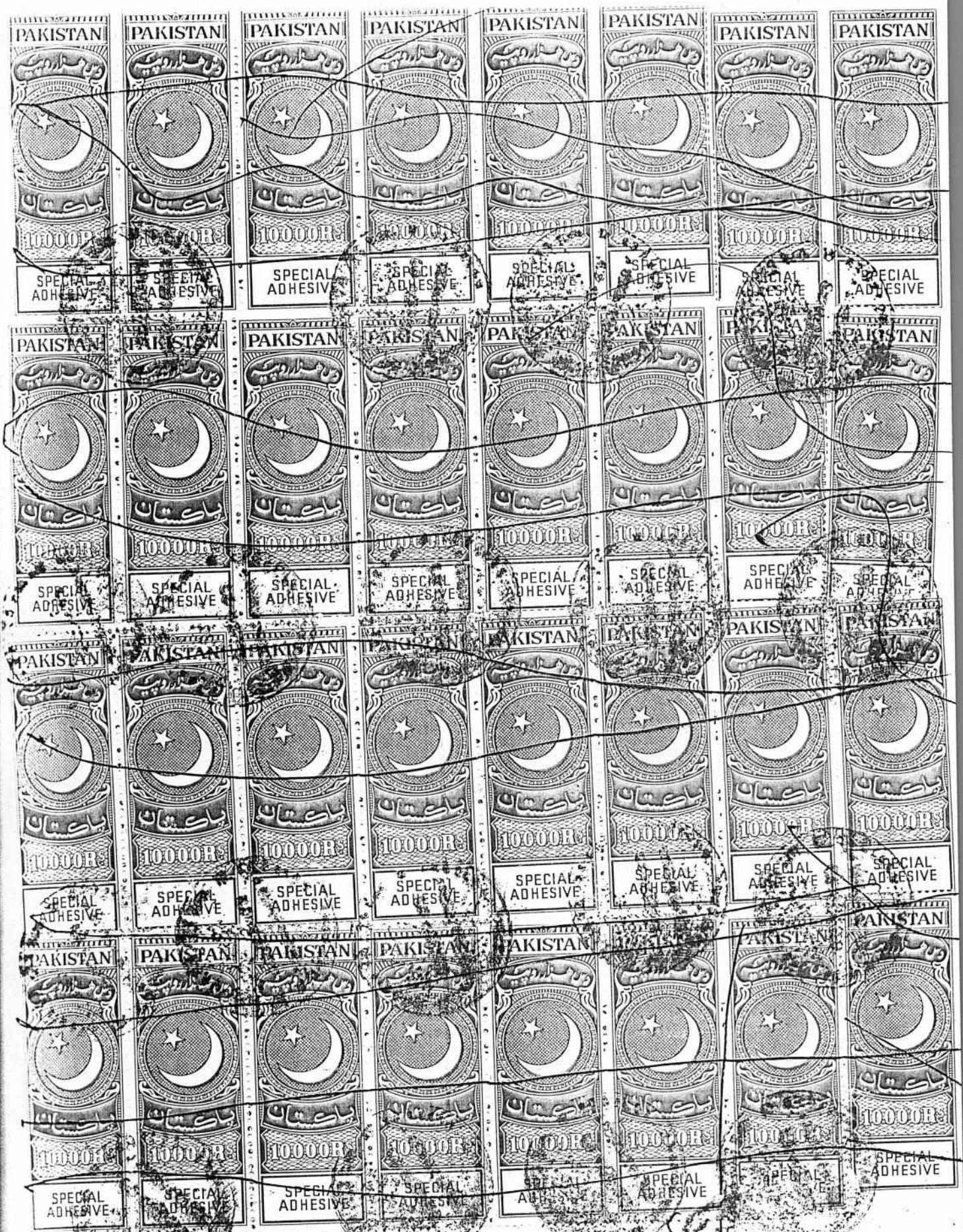
WITNESS

1. _____

_____
Corporate Secretary (Seal)

2. _____ _____
(Name Title & Address) Corporate Guarantor (Seal)





advance has been made to him as aforesaid.

EA Consulting (Pvt.) Ltd.

No. 1664
23/01/2015

Rs. 32000/-
Three thousand
only



...t (hereof being ...gree than is due ... same with other ...by the Divisional ...ired and made ... the Contractors ... deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

1604 Date 23/01/2018

Issued to Mr. Imtiaz Hussain Sohgi XEN Cadet College

S/O Lakhan 83611/-

C/O Hakim

Total Rs. 88 36 11/-

(7) ...at if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the (74) enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

23-01-18

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees..... ..... (Rs. .....) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

Once there with the Government may at any time thereafter adopt all or any of following courses as it may deem best ;-

a. Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.

b. Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.

c. Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreementCircle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Signed, sealed and delivered by*

In the presence of 1 st witness

2nd witness *

PART 1 - GENERAL CONDITIONS

GENERAL CONDITIONS OF CONTRACT

PREPARED BY

THE PAKISTN ENGINEERING COUNCIL

(VERSION NOVEMBER 2007) FOR

THE WORKS OF

CIVIL ENGINEERING CONSTRUCTION

Bidder is supposed to possess a copy with him

PART II – PARTICULAR CONDITIONS

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PART II - PARTICULAR CONDITIONS OF CONTRACT

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PART II - PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

(a) (i) The Procuring Agency & its representative is
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

(a) (iv) The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

The following paragraph is added:

(a)(vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.

(b)(v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

(b)(ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(e)(i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Procuring Agency before carrying out his duties in accordance with the following Clauses:

(i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".

(ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".

(iii) Any action under Clause 10 "Performance Security" and Clauses 21, 23, 24 & 25 "Insurance" of sorts.

(iv) Any action under Clause 40 "Suspension".

(v) Any action under Clause 44 "Extension of Time for Completion".

(vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).

(vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51,except:

a) in an emergency* situation, as stated herebelow, or

b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

(x) Extra payment as a result of Contractor's claims under Clause 53.

(xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".

(xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.

(xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.

(xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

(Note: Procuring Agency may further vary according to need of the project)

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Procuring Agency.)

2.2 Engineer's Representative

The following paragraph is added:

The Procuring Agency shall ensure that the Engineer's Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Procuring Agency intends to replace the Engineer, the Procuring Agency shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Procuring Agency shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Agency, with supporting particulars."

5.1 Language(s) and Law

(a) The Contract Documents, shall be drawn up in the English language.
(b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

(1) The Contract Agreement (if completed);
(2) The Letter of Acceptance;
(3) The completed Form of Bid;
(4) Special Stipulations (Appendix-A to Bid);
(5) The Particular Conditions of Contract – Part II;
(6) The General Conditions – Part I;
(7) The priced Bill of Quantities (Appendix-D to Bid);
(8) The completed Appendices to Bid (B, C, E to L);
(9) The Drawings;
(10) The Specifications; and
(11) _____ (any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Programme to be Submitted

The programme shall be submitted within 14 days from the date of receipt of Letter of Acceptance, which shall be in the form of:

i) a Bar Chart identifying the critical activities.
ii) a CPM identifying the critical path/activities.
(Procuring Agency to select appropriate one)

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 14 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Programme and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed programme for the following:

(1) Execution of Works;
(2) Labour Employment;
(3) Local Material Procurement;
(4) Material Imports, if any; and
(5) Other details as required by the Engineer.

(b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 10 copies each of Monthly Progress Reports covering:

(1) A Construction Schedule indicating the monthly progress in percentage;
(2) Description of all work carried out since the last report;
(3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
(4) Monthly summary of daily job record;
(5) Photographs to illustrate progress ;and
(6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.

(c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorised representative at Site shall be authorised to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorise or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Procuring Agency's Risks

The Procuring Agency's risks are:

Delete the text and substitute with the following:

(a) insofar as they directly affect the execution of the Works in Pakistan:

(i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,

(ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,

(iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,

(iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,

(v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;

(b) loss or damage due to the use or occupation by the Procuring Agency of any Section or part of the Permanent Works, except as may be provided for in the Contract;

(c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and

(d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen, or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:

(a) prevent loss or damage to physical property from occurring by taking appropriate measures, or

(b) insure against.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Procuring Agency.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Procuring Agency at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of' wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favourable than the general level of wages and conditions observed by other Procuring Agencys whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Procuring Agency or the Engineer; except with the prior written consent of the Procuring Agency or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, these facilities shall be handed over to the Procuring Agency or if the Procuring Agency so desires, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognised festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall , so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

The following Sub-Clause 47.3 is added:

47.3 Bonus for Early Completion of Works

The Contractor shall in case of earlier completion of either whole or part(s) of the Works pursuant to Sub-Clauses 48.1 and 48.2 respectively of the General Conditions of Contract, be paid bonus up-to a limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages prescribed in Appendix-A to Bid "Special Stipulations".

Not applicable

48.2 Taking Over of Sections or Parts

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall" the following is added:
within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) submits reasonable evidence to the Engineer, or
b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
   ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Procuring Agency may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Agency, the amount which the nominated Subcontractor was directly paid by the Procuring Agency.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words " Sub-Cause 60.11 (a)(6) hereof".
(in case Clause 60.11 is applicable)

60.2 Monthly Payments

In the first line, "28" is substituted by "14".

60.11 Secured Advance on Materials

a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an indemnity bond acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:

(1) The materials are in accordance with the Specifications for the Permanent Works;

(2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;

(3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;

(4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor;

(5) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Agency; and

(6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.

(b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis.

60.11 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Procuring Agency by adopting any one of the following three Alternatives:

(Appropriate alternative only to be retained)

Alternative One: Mobilization Advance

(a) An interest-free Mobilization Advance up to 15 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee/Bond for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan or an insurance company acceptable to the Procuring Agency:

(1) First part within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier; and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.

(b) This Advance shall be recovered in equal instalments; first instalment at the expiry of third month after the date of payment of first part of Advance and the last instalment two months before the date of completion of the Works as per Clause 43 hereof.

Alternative Two: Mobilization/ Demobilization Cost

Mobilization Cost shall be paid to the Contractor as a part of the priced Bill of Quantities. This cost shall not exceed 10 % of the Tender Price and shall be paid to the Contractor as follows:

(i) 80 % of the Mobilization Cost shall be paid for mobilization at Site. This payment shall be in three stages as follows:

Stage I: 20 % of Mobilization Cost upon obtaining and furnishing of Performance Security and insurance policies and construction of camp and housing facilities as required under the Contract;

Stage II: 30 % of Mobilization Cost upon providing & installing preliminary requirements of Contractor's Equipment, materials and temporary structures for the commencement of Works to the satisfaction of the Engineer and achieving 3 % value of the Works (excluding payment under Stage-I);

Stage III: 30 % of Mobilization Cost upon providing balance Contractor's Equipment to complete full requirement for the entire work and after achievement of progress to the extent of 6 % value of the Works (excluding payments under Stages I and II); and

(ii) 20 % of Mobilization Cost shall be paid for operation and maintenance of the constructed facilities and for demobilization as per schedule of payment to be submitted by the Contractor in accordance with Clause 57.2 and approved by the Engineer.

Alternative Three: Materials Supplied by Procuring Agency

The Procuring Agency shall supply to the Contractor materials, like cement, steel, bitumen or any other material whichever deemed necessary to complete the project; and the cost thereof shall be recovered from the Contractor through monthly statements on the basis of actual consumption.

The list of materials, quantities and rates to be charged to the Contractor shall be provided alongwith Appendix-A to Bid "Special Stipulations".
(Procuring Agency may opt either "Secured Advance on Materials" or "Financial Assistance to Contractor")

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Procuring Agency against the Contractor under this Clause, the Procuring Agency may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:
The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67. 3 Arbitration

In the sixth to eight lines, the words "shall be finally settled ..... appointed under such Rules" are deleted and substituted with the following:

shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:
The place of arbitration shall be Karachi Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Procuring Agency and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Procuring Agency and Engineer

For the purposes of this Sub-Clause, the respective address are:

a) The Procuring Agency & its Representative:
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

b) The Engineer:
The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax, tax on services, GST and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes. All prices are inclusive income tax, sales tax, tax on services and other taxes.

73.2 Customs Duty & Taxes

(Procuring Agency may incorporate provisions where applicable)

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Procuring Agency shall be entitled to:

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Agency's Convenience

The Procuring Agency shall be entitled to terminate the Contract at any time for the Procuring Agency's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor:

(a) shall proceed as provided in Sub-Clause 65.7 hereof; and

(b) shall be paid by the Procuring Agency as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Procuring Agency shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Procuring Agency for the fulfilment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Agency.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Procuring Agency or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

BILL OF QUANTITIES

EA CONSULTING (PRIVATE) LIMITED

Name of Work : Construction of Academic Block including Library, Admin Block, M.T. Garrage & Car park and Dispensary

GRAND SUMMARY

S.NO	DESCRIPTION	COST OF SCHEDULE ITEMS (Rs)	COST OF NON SCHEDULE ITEMS (Rs)	PREMIUM ON SCHEDULE ITEMS (Rs)		PRIME COST (Rs)	TOTAL COST (Rs)
		1	2	%	3	~~4=1+3~~	5=2+4
1	CIVIL WORKS	152,252,767.47	13605025/-	30%		45675830	211533622
2	PLUMBING WORKS	877,339.00	4348475/-	30%		263202	5489016
3	ELECTRICAL WORKS	6,829,335.00	9372080	20%		1365387	17564402
4	HVAC WORKS	-	-	-		-	-
	Add Difference of materials (only for civill works) with respect to CSR-20112 - 2018 Annexure "A"						17,873,395.00
	Total	159,959,441.47	27325580			47304419	
	TOTAL CARRIED TO FORM OF TENDER >>>>>>>>>>>>>>>>>>>>						252460435

(Amount in words Ruppeeess= Two Hundred Fifty Two Million Four Hundred Sixty Thousand, Four Hundred (Sixty-Five) only

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet College Larkana

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

Chairman
Shaheed Benazir Bhutto
Girls Cadet College Larkana

CIVIL WORK



S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	2,283,325.00
2	SUB STRUCTURE	42,283,446.24
3	SUPER STRUCTURE	51,294,764.70
4	MASONRY WORKS	5,884,241.28
5	THERMAL & MOISTURE PROTECTION	2,347,833.49
6	MATEL WORKS	785,017.68
7	DOORS AND WINDOWS	10,109,721.01
8	FLOOR FINISHES	16,459,828.12
9	WALL FINISHES	11,570,976.37
10	CEILING FINISHES	2,937,467.07
11	EXTERNAL FINISHES (BUILDING)	3,374,466.78
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	2,921,679.73
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	**152,252,767.47**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	
2	SUB STRUCTURE	
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	780000/=
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	475025/=
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	12850000/=
	TOTAL OF NON-SCHEDULE ITEMS RS CARRIED TO GRAND SUMMARY	13605025/=

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

EA CONSULTING (PRIVATE) LIMITED

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	185537 Cft	%0 Cft	8,152.50	1,512,590.39
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	38711 Cft	%0 Cft	8,702.50	336,882.48
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.				
			91530 Cft	%0 Cft	4,740.00	433,852.20
		Total Amount Carried to Civil Summary				2,283,325

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-16	Cement concrete brick or stone ballast 1-1/2" to 2" gauge, ratio 1:4:8	70630 Cft	% Cft	9,416.28	6,650,718.56
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	1639 Cft	% Cft	12,595.00	206,432.05
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	9336 Sft	% Sft	3,127.41	291,975.00
		RCC CONCRETE (SUB-STRUCTURE)				
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	51400 Cft	Per Cft	337.00	17,321,800.00
		STEEL REINFORCEMENT (SUB-STRUCTURE)				
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	Fabricating of Tor steel reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	3334 Cwt	Per Cwt	5,001.70	16,675,667.80
		BITUMEN COATING				
2.5	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	Bitumen coating to plastered or cement concrete surface.	82480 Sft	% Sft	778.09	641,768.63
		TERMITE TREATMENT				
2.6	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. ***(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)***	50830 Sft	P.Sft	9.74	495,084.20
		Total Amount of Schedule Items Carried to Civil Summary				42,283,446

M/S FAZAL MUHAMMAD MANGAN
GOVT. CONTRACTOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
3		**SUPER-STRUCTURE**				
		RCC CONCRETE (SUPER-STRUCTURE)				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in 'situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)□	From 0.00 to 20' Height	36355 Cft	Per Cft	337.00	12,251,635.00
	Item # 6 (ai)+d□	From 20' to 40' Height	30061 Cft	Per Cft	349.10	10,494,295.10
	Item # 6 (ai)+d+d	From 40' to 50' Height	598 Cft	Per Cft	361.20	215,997.60
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	3123 Cwt	Per Cwt	5,001.70	15,620,309.10
	Item # 8 (b)+29	From 12 to 24' Height	2150 Cwt	Per Cwt	5,152.95	11,078,842.50
	Item # 8 (b)+29+29	From 24' to 36' Height	297 Cwt	Per Cwt	5,304.20	1,575,347.40
		PVC WATER STOPPER BAR				
3.3	Chapter-1/ Vol-III,Part-III, (PHEW) Item # B-1 / P-56	Providing expansion joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc.complete.	126 Rft	Rft	463.00	58,338.00
		Total Amount of Schedule Items Carried to Civil Summary				51,294,765

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS **All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.**				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	2943 Sft	%Sft	3,912.85	115,155.18
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	18937Cft	%Cft	13,227.41	2,504,874.63
		ii) From 12'-0" to 22'-0" height	18869Cft	%Cft	13,666.04	2,578,645.09
		iii) From 22'-0" to 32'-0" height	4167Cft	%Cft	14,240.79	593,413.72
		iv) From 32'-0" to 42'-0" height	622Cft	%Cft	14,815.54	92,152.66
		Total Amount Carried to Civil Summary				**5,884,241.28**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	31860 Sft	Per Sft	10.70	340,902.00
5.2	Chapter # 8 Item # 16 (d)/ P 42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	31860 Sft	%Sft	4,411.82	1,405,605.85
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	31860 Sft	%Sft	1,887.40	601,325.64
		Total Amount Carried to Civil Summary				**2,347,833.49**
6		**METAL WORK**				
		GI Door Frame				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	2248 Rft	per Rft	240.50	540,644.00
6.2	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Fabricating of heavy steer work with angles, flat iron, round iron, and sheet iron for making trusses, girders, tands etc, including cutting, tanks etc, including cutting, drilling, revetting, handling assembling and fixing but excluding cost of erection in position.	47 Cwt	Per Cwt	4,928.40	231,634.80
6.3	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Erecation and fitting in position of iron trusses staging of water tanks etc.	47 Cwt	Per Cwt	271.04	12,738.88
		Paint on Metal surface				
6.4	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work,				
		i) Priming Coat	0 Sft	%Sft	521.95	-
		ii) Each subsequent coat (3 Coats)	0 Sft	%Sft	1123.32	-
		Total Amount Carried to Civil Summary				**785,017.68**

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	2865 Sft	P.Sft	903	2,586,894.45
7.2		**Windows with Frame** b) 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed.	5906 Sft	P.Sft	1,274	7,522,826.56
		Total Amount Carried to Civil Summary				**10,109,721.01**
8		**FLOOR FINISHES** **P.C.C FLOOR**				
8.1	Chapter # 8 Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	9827 Sft	%Sft	4,391.50	431,552.71
8.2	Chapter # 8 Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	30622 Sft	%Sft	27,678.86	8,475,820.51
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	25804 Sft	%Sft	27,905.74	7,200,797.15
	Item # 24+18 +18 / P-42 & 43	iii) From 22'-0" to 32'-0" height	1250 Sft	%Sft	28,132.62	351,657.75
		Total Amount Carried to Civil Summary				**16,459,828.12**
9		**WALL FINISHES** **INTERNAL PLASTER**				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	76441 Sft	%Sft	2,283.93	1,745,858.93
	Item # 11b + 29	b) 1/2" thick from12'-0" to 22'-0" height	68432 Sft	%Sft	2,424.90	1,659,407.57
	Item # 11b + 29+29	b) 1/2" thick from 22'-0" to 32'-0" height	23375 Sft	%Sft	2,565.87	599,772.11
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc, complete (new surface)	168248 Sft	%Sft	3,444.36	5,795,066.81
9.3	Chapter # 8 Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	2895 Sft	%Sft	27,678.86	801,303.00
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	2924 Sft	%Sft	27,905.74	815,963.84
	Item # 24+18 +18 / P-42 & 43	iii) From 22'-0" to 32'-0" height	546 Sft	%Sft	28,132.62	153,604.11
		Total Amount Carried to Civil Summary				**11,570,976.37**

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	29148 Sft	%Sft	2,206.60	643,179.77
	Item # 13b + 29	b) 1/2" thick (1:6) from12'-0" to 22'-0" height	5000 Sft	%Sft	2,347.57	117,378.50
	Item # 13b + 29+29	b) 1/2" thick (1:6) from 22'-0" to 32'-0" height	41313 Sft	%Sft	2,488.54	1,028,090.53
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	75461 Sft	%Sft	442.75	334,103.58
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	75461 Sft	%Sft	1,079.65	814,714.69
		Total Amount Carried to Civil Summary				2,937,467.07
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	6481 Sft	%Sft	3,015.75	195,450.76
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	5019 Sft	%Sft	3,156.72	158,435.78
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	8086 Sft	%Sft	3,297.69	266,651.21
	Item # 11c + 3 x 29	c) 1/2" thick from 32'-0" to 42'-0" height	6700 Sft	%Sft	3,438.66	230,390.22
	Item # 11c + 4 x 29	c) 1/2" thick from 42'-0" to 52'-0" height	3000 Sft	%Sft	3,579.63	107,388.90
	Item # 11c + 5 x 29	c) 1/2" thick from 42'-0" to 52'-0" height	2000 Sft	%Sft	3,720.60	74,412.00
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	5826 Rft	Rft	7.71	44,918.46
11.3	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	**Rough Cast Plaster** Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	6481 Sft	%Sft	2,306.10	149,458.34
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	5019 Sft	%Sft	2,447.07	122,818.44
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	8086 Sft	%Sft	2,588.04	209,268.91
	Item # 11c + 3 x 29	c) 1/2" thick from 32'-0" to 42'-0" height	6700 Sft	%Sft	2,729.01	182,843.67

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
	Item # 11c + 4 x 29	c) 1/2" thick from 42'-0" to 52'-0" height	3000 Sft	%Sft	2,869.98	86,099.40
	Item # 11c + 5 x 29	c) 1/2" thick from 42'-0" to 52'-0" height	2000 Sft	%Sft	3,010.95	60,219.00
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	11500 Sft	%Sft	2,567.95	295,314.25
		c) From 20'-0" to 30'-0" height	8086 Sft	%Sft	2,796.04	226,087.79
		c) From 30'-0" to 40'-0" height	6700 Sft	%Sft	3,024.13	202,616.71
		c) From 40'-0" to 50'-0" height	5000 Sft	%Sft	3,252.22	162,611.00
11.5	Chapter 9 Item # 44 / P-56 / Vol. III,Part-II,(General)	Preparing & fixing colour crete to wall surface to provide, durable crust and aesthetics having thickness up to 3/4" with specified colour having water, fir and termite resistance (up to 20'-0" height).				
		Up to 20'-0" height	3450 Sft	%Sft	6,319.50	218,022.75
	Item # 44+45	From 20'-0" to 30'-0" height	2426 Sft	%Sft	6,516.50	158,077.26
	Item # 44+45+45	From 30'-0" to 40'-0" height	2010 Sft	%Sft	6,713.50	134,941.35
	Item # 44+45+45+45	From 40'-0" to 50'-0" height	1280 Sft	%Sft	6,910.50	88,440.58
		Total Amount Carried to Civil Summary				**3,374,466.78**
12		**EXTERNAL FINISHES**				
		(OTHER THAN BUILDING NON COVERED AREA)				
12.1	Chapter # 8 Item # 73/ P-50/Vol. III,Part-II, (General)	**P.C.C PAVERS** Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***natural colour*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any heiaht any floor)	10215 Sft	P.Sft	223.97	2,287,853.55
12.2	Chapter # 8 Item # 74/ P-50/Vol. III,Part-II, (General)	Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***pigmented*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any floor)	2554 Sft	P.Sft	248.17	633,826.18
		Total Amount Carried to Civil Summary				**2,921,679.73**

M/S FAZAL MUHAMMAD WAZIR
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-B (NON-SCHEDULE ITEMS)				
6 6.1		**METAL WORK** **SS Railing** Providing, fabricating, welding & fixing in position **Stainless Steel 304 grade Staircase railing** comprising of 2" dia hand rail, 1-1/2" dia baluster in alternate steps with 1/2" dia solid bar, mid rail with 1/2" dia (4-Nos) including all required accessories (base plate, cap, nuts & bolts etc.) at any floor & any hight, complete in all respects as per drawing, standard, specifications and direction of the Engineer.	300 Rft	Rft	2600/-	780000/-
		Total Amount Carried to Civil Summary				780000/-
8 8.1		**FLOOR FINISHES** Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length, width & thicknes are mentioned below)*** for staie case of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		For tread (One piece length not less than 84 inches, width not less than 12 inches & thickness not less than 1" inch (25mm) thick) a)	288 Sft	Sft	475/-	136800/-
		For riser (One piece length not less than 42 inches, width not less than 7 inches & thickness not less than 1/2" inch (10mm) thick) b)	168 Sft	Sft	200/-	33600/-
		For tread (One piece length not less than 72 inches, width not less than 12 inches & thickness not less than 1" inch (25mm) thick) c)	285 Sft	Sft	475/-	135375/-
		For riser (One piece length not less than 36 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick) d)	165.00	Sft	200/-	33000/-
		For tread (One piece length not less than 60 inches, width not less than 12 inches & thickness not less than 1" inch (25mm) thick) e)	230 Sft	Sft	475/-	109250/-
		For riser (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick) f)	135 Sft	Sft	200/-	27000/-
		Total Amount Carried to Civil Summary				475025/-
12 12.1		**EXTERNAL FINISHES** **(OTHER THAN BUILDING NON COVERED AREA)** Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thicknes not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		Trade for Entrance Steps	13100 Sft	Sft	475/-	6222500/-
		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	3700 Sft	Sft	200/-	740000/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		Providing and fixing of SLATE Stone 24" X 12" 1" thick tile for wall Cladding including 3" x 2" chamfer/gola of approved patterns, match over 1/2" thick base of cement mortar in 1:2 C.M., including anchering, cutting, jointing, curing etc., complete in all respect as per drawings, specifications and the satisfaction of he Engineer.	2,500.00	Sft	425/-	1062500/=
		Providing and fixing Brick facing (GUTKA) laid flat in courses in mortar with matching colour pointed in deep cut groves and in pattren including rubbing, cutting etc complete in all respect of as per drawings, specifications and the satisfaction of he Engineer.	5,000.00	Sft	425/-	2125000/=
1.4		Supply & fixing of UPVC openable windows with 60mm profile width, 3 mm external wall thickness 5 mm glass, EPDM gaskets complete in all respects.	1000	PSft	2700/=	2700000/=
		Total Amount Carried to Civil Summary				12850000/=

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

STATEMENT FOR DIFFERENCE OF MATERIALS
(Only for Cement, Steel & Deodar wood with respect to CSR-20112 and curnt year 2018)

Annexure "A"

Sr. No.	Items of Work	Quantity	Unit	Cement		Wood		Steel	
				%age	Qty	%age	Qty	%age	Qty
1	R.C.C Concrete 1:4:8	70630.00	Cft.	9.48	6695.72				
2	R.C.C Concrete 1:3:6	1639.00	Cft.	12.32	201.92				
3	R.C.C Concrete 1:2:4	130993.00	Cft.	17.6	23054.77				
4	Cement Mortar 1:4	8532.60	Cft.	20.00	1706.52				
5	Cement Plaster 1/2" thick (1:4)	6729.92	Cft.	20.00	1345.98				
6	Cement Plaster 3/4" thick (1:4)	3754.32	Cft.	20.00	750.86				
7	Cement Plaster 1/2" thick (1:6)	3018.44	Cft.	14.29	431.21				
8	Cement Mortar 1:2 for tile fixing	6921.12	Cft.	33.33	2307.04				
9	Cement Mortar 1:6 for G.I door frame fixing	221.65	Cft.	14.29	31.66				
10	Steel Reinforcement	445.20	Ton.						445.2
11	Deodar Wood	1227.94	Cft.				1227.94		
			Total	**Bag**	**36525.70**	**Cft.**	**1227.94**	**Ton**	**445.20**
			Rate	Bag	180	Cft.	500.00	Ton	24,000.00
			Amount	-	**6,574,625**		**613,970**	-	**10,684,800**
			Amount Carried to Grand Summary	**17,873,395**					

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

EA CONSULTING (PRIVATE) LIMITED

PLUMBING WORK

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	877,339
	SUB-TOTAL-A Rs.	**877,339**
	Add 30 -% Above/~~Below~~/~~At par~~ on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	263202/-
	TOTAL-A Rs.	1140541/-
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Accessories	570000/-
2	Cold and Hot Water Supply Piping	463900/-
3	Isolation Valves	57000/-
4	Plumbing Specialties	11200/-
5	Packaged Pump Sets	
6	Water Tank Connection	
7	Water Cooler, Water Filter & Storage Water Heater	294000/-
8	Soil, Waste and Vent Pipes	2157000/-
9	Drainage Specialties	358000/-
10	Manholes and Gully traps	272000/-
11	External Connection	
12	Gas Works	165375/-
13	Fire Extinguishers	
	SUB-TOTAL-B Rs.	4348475/-
	GRAND TOTAL AMOUNT (A+B)	5489016/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT. CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	6	Nos	6,503.20	39,019
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	30	Nos	11,477.40	344,322
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & l/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	29	Nos	5,658.40	164,094
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	29	Nos	2,686.54	77,910
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				

Continued..

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	5	Nos	5,782.70	28,914
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	12	Nos	6,442.70	77,312
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	15	Nos	1,591.70	23,876
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	36	Nos	1,071.40	38,570
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	29	Nos	2,376.00	68,904
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	29	Nos	497.20	14,419
		AMOUNT CARRIED TO SUMMARY				877,339

M/S FAZAL MUHAMMAD
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING ACCESSORIES:**				
		Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	36	Nos	6000/-	216000/-
i		WC Cleaning Brush	16	Nos	2000/-	32000/-
ii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	46	Nos	7000/-	322000/-
		AMOUNT CARRIED TO SUMMARY				570000/-

M/S FAZAL MUHAMMAD MANGRI
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	1000	Rft	100/-	100000/-
i		1" dia	420	Rft	120/-	50400/-
ii		1 1/4" dia	290	Rft	130/-	37700/-
iv		1 1/2" dia	380	Rft	150/-	57000/-
v		2" dia	390	Rft	200/-	78000/-
vi		2 1/2" dia	640	Rft	220/-	140800/-
vii		3" dia	0	Rft	—	—
viii		4" dia	0	Rft	—	—
		AMOUNT CARRIED TO SUMMARY				463900/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves** Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	4	Nos	1000/-	4000/-
ii		1" dia	5	Nos	1400/-	7000/-
iii		1 1/4" dia	4	Nos	1600/-	6400/-
iv		1 1/2" dia	7	Nos	2000/-	14000/-
v		2" dia	6	Nos	2500/-	15000/-
vi		2 1/2" dia	2	Nos	2800/-	5600/-
vii		3" dia	0	Nos		
viii		4" dia	0	Nos		
4		**Non Return Valves** Providing and fixing of PN-20 non return Valve of Bronze Material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per type indicated in specifications and as per Engineers approval.				
i		1 1/2" dia	0	Nos		
ii		2" dia	2	Nos	2500/-	5000/-
iii		3" dia	0	Nos		
		AMOUNT CARRIED TO SUMMARY				57000/-

MIS FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

Sl.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	4	Nos.	2000/=	8000/-
ii		1" Air Relief Valve	2	Nos.	1600/-	3200/-
iii		2" dia foot valve	0	Nos.		
iv		2" Y-type Strainer	0	Nos.		
v		2" Flexible Connection	0	Nos.		
		AMOUNT CARRIED TO SUMMARY				11200/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (2 Duty), Flow = 75 GPM @ 70 ft head	0	Nos		
		AMOUNT CARRIED TO SUMMARY				

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Water Tank**				
a		Connection for water tank including with valves, supports, excavation and Backfill, complete all in accordance with the drawing and specifications.				
i		2" Connection to RCC water tanks	0	No.	—	
i		Connection to overhead water tanks using Float valve	~~2~~	No.	—	
ii		Cast Iron Medium Duty Cover For RCC water tanks	~~2~~	No.	—	
						—
		AMOUNT CARRIED TO SUMMARY				

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B		**Water Cooler**				
a		Supply and installation of Stainless Steel Electric water cooler of below mentioned capacity with two taps, R-22 Refrigeration system, S.Steel Tank safety tested at 10kg/cm2 (142 p.s.i.) with recommended maximum working pressure of 3kg/cm2 (42 p.s.i.) including all accessories like Valves, interconnecting piping, Drain tray and drain connection s as indicated in the drawings, as per specifications and engineers approval.				
		WC-01 to 05 (65 GPH)	6	No.	35000/-	210000/-
		Water Filter				
b		Supply and installation of 3 stage UV Water filter having minimum flow rate of 0.5 gpm including valves, piping, accessories, etc., as indicated on the drawing, as per specifications and Engineers approval.	9	No.	9000/-	81000/-
c		**Storage Water Heaters**				
		Supply and installation of Storage type Electric water heater heater of below mentioned capacity including, 2 no's brass ball valves for piping, Relief valve, Drain, accessories, etc., complete all in accordance with the drawing and specifications.				
		100 Liters Capacity	1	No.	3000/-	3000/-
		AMOUNT CARRIED TO SUMMARY				294000/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S. No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Soil, Waste,RW and Vent Pipes** Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
		i 2" dia	270	Rft	350/=	94500/-
		ii 3" dia	1100	Rft	400/=	440000/-
		iii 4" dia	1500	Rft	430/=	645000/-
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
		i 6" dia	1150	Rft	850/-	977500/-
		AMOUNT CARRIED TO SUMMARY				2157000/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	70	Nos	2500/-	175000/-
c		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	0	Nos	—	—
d		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	6	Nos	500/-	3000/-
ii		3" dia	0	Nos	—	—
e		Supply and installation of 8" wide, 6" High internal heavy duty Cast Iron Inlet Drain as specified and shown on the drawing, as per specifications and Engineers approval.	180	Rft	1000/-	180000/-
		AMOUNT CARRIED TO SUMMARY				358000/-

M/S FAZAL MUHAMMAD
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
11		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	22	Nos.	8000/-	176000/-
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	16	Nos.	6000/-	96000/-
		AMOUNT CARRIED TO SUMMARY				272000/-

M/S FAZAL MUHAMMAD MANGI
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
12		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	—	—
		AMOUNT CARRIED TO SUMMARY				

M/S FAZAL MUHAMMAD MANGRIO
GOVT. CONTRACTOR

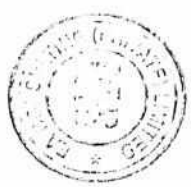
S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
13		**Gas Works**				
a		**Gas Piping**				
		Supply, Installation, testing and Commissioning of G.I Medium Pipes (hot Dipped) with high quality fittings as per BS EN 10255, conforming to Local Gas Company standards including all fitting, valve, flanges, reducers, tees, sockets, bends, clamps, support, cutting and fillings complete with testing and as per drawings, specifications and requirements of local gas company.				
		1/2" dia	Rft	80	120/-	9600/-
		3/4" dia	Rft	390	130/-	50700/-
		1" dia	Rft	105	150/-	15750/-
		1 1/4" dia	Rft	105	175/-	18375/-
b		**Gas Valves**				
		Supply, installation, testing and Commissioning of Isolation/Gate valves for Gas piping as indicated on the drawing, as per specifications and Engineers approval.				
		1/2" dia	Nos	8	500/-	4000/-
		3/4" dia	Nos	1	600/-	600/-
		1" dia	Nos	1	650/-	650/-
		11/4" dia	Nos	1	700/-	700/-
c		**Connections**				
		Making service connection with existing Gas Company mains with necessary approval and directions by the Local Gas Company.	Job	1	25000/-	25000/-
d		Installation and provision of Gas meter and Regulator to the Gas Service Lines as per specifications and requirements of Local Gas Company including taking approval and making all payments to the Gas Company in this regard.	Job	1	40000/-	40000/-
		AMOUNT CARRIED TO SUMMARY				165375/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
14		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	10	Nos	—	—
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	10	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

ELECTRIC WORK



BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

SUMMARY

S.NO.	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
1	SUB HEAD I MAINS & SUB-MAINS	4,822,466
2	SUB HEAD II POINT WIRING	1,241,870
3	SUB HEAD XI ELECTRICAL ACCESSORIES	762,599
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	**6,826,935**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/~~BELOW~~ 20%	1365387/=
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	8192322/=
B	**NON SCHEUDLE ITEM**	
1	LOW VOLTAGE CABLES AND WIRES	170250/=
2	L.V. DISTRIBUTION BOARDS	1275000/=
3	CONDUITS & PIPES	83300/=
4	WIRING ACCESSORIES	687430/=
5	LIGHT FIXTURE & FANS	4706100/=
6	CABLE TRAY	720000/=
7	EARTHING SYSTEM	1720000/=
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**	9372080/=
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)	17564402/=

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
		SUB HEAD I MAINS & SUB-MAINS				
	D	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	3,112	Per Mtr.	294.00	914,928
	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	836	Per Mtr.	338.00	282,568
	Item # 26(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.044 (6 sq.mm) copper conductor in 1'' dia PVC conduit recessed in the wall or column as required.	1,050	Per Mtr.	468.00	491,400
	F	**WITH 4 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
	Item # 39(F)/ P-5/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.036 copper conductor in 1'' dia PVC conduit recessed in the wall or column as required	15	Per Mtr.	412.00	6,180
	N	**WITH 4 CORE OVERHEAD OR UNDERGROUND 300/500**				
	Item # 101(N)/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 300/500 volts size 10mm2	110	Per Mtr.	742.00	81,620
	O	**WITH 4 CORE OVERHEAD OR UNDERGROUND 600/1000**				
	Item # 102(O)/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 16mm2	50	Per Mtr.	1,300.00	65,000
	Item # 103(O)/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 25mm2	30	Per Mtr.	1,909.00	57,270

M/S FAZAL MUHAMMAD
GOVT: CONTRACTOR

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

Sl.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
	Item # 110(O)/ P-13/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 185mm2	90	Per Mtr.	12,478.00	1,123,020
	P	**WITH 4 CORE ARMOURED OVERHEAD OR UNDERGROUND 600/1000**				
	Item # 120/ P-14/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armored copper conductor 600/1000 volts size 150mm2	160	Per Mtr.	11,253.00	1,800,480
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				4,822,466

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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S. No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD II POINT WIRING**				
1.01	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4'') PVC conduit recessed in the wall or column as required.	1,099	Per Point	1,130	1,241,870
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				1,241,870

BILL OF QUANTITIES
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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
		SUB HEAD XI ELECTRICAL ACCESSORIES				
	B.	**CEILING ROSE**				
	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	229	Per No.	72.00	16,488
	C	**FAN**				
	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	229	Per Nos	3,185.00	729,365
	Item # 236(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Bracket fan 18'' (good quality)	6	Per No.	2,791.00	16,746
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				**762,599**

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S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**LOW VOLTAGE CABLES AND WIRES**				
	Supply, installation, testing and commissioning of following size of single core PVC insulated, PVC sheathed non-armored Copper conductor 0.6 kV/1 kV voltage grade cable in already laid raceways or in ducts including all accessories lugs,cable glands, etc., as per drawings and specifications, complete in all respect.				
a	**1 Core Cu.PVC Cable As ECC**				
i	1 - core - 70 Sq.mm	170	Rm	500/-	85000/-
ii	1 - core - 16 Sq.mm	80	Rm	450/-	36000/-
iii	1 - core - 10 Sq.mm	110	Rm	400/-	44000/-
iv	1 - core - 4 Sq.mm	15	Rm	350/-	5250/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				170250/-

M/S FAZAL MUHAMMAD MANGRIO
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S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
J	**L.V. DISTRIBUTION BOARDS**				
ii)	Supply, installing, testing & commissioning of following wall mounting surface type Main Distribution Board (MDB),Sub Main Distribution Boards (SMDB's) and Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i	MDB-GF	1	No.	150000/.	150000/.
ii	SMDB-GF	1	No.	145000/.	145000/.
iii	DBL-GF1	1	No.	135000/.	135000/.
iv	DBP-GF1	1	No.	125000/.	125000/.
v	DBL-GF2	1	No.	115000/.	115000/.
vi	DBP-GF2	1	No.	110000/.	110000/.
vii	UDB-GF	1	No.	100000/.	100000/.
viii	DBL-1F1	1	No.	90000/.	90000/.
ix	DBP-1F1	1	No.	80000/.	80000/.
x	DBL-1F2	1	No.	70000/.	70000/.
xi	DBP-1F2	1	No.	60000/.	60000/.
xii	UDB-1F	1	No.	50000/.	50000/.
xiii	DBAC-1F	1	No.	45000/.	45000/.
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				1275000/.

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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
D	**CONDUITS & PIPES**				
(i)	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe	100	Rm	30/-	3000/-
ii	38 mm dia PVC Pipe	45	Rm	40/-	1800/-
iii	50 mm dia PVC Pipe	25	Rm	50/-	1250/-
(ii)	Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.				
i	4" dia uPVC	105	Rm	450/-	47250/-
(iii)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	4	Nos.	10000/-	40000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				93300/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
A	WIRING ACCESSORIES				
(i)	Supply,installing,testing and commissioning of following 10/15/16 Amps, One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i.	One Gang switch 10A	10	Nos.	400/-	4000/=
ii.	One Gang switch 10A,(2way)	4	Nos.	450/-	1800/-
iii.	Two Gang switch 10A	45	Nos.	570/-	25650/-
iv.	Three Gang switch 10A	39	Nos.	750/=	29250/=
v.	Four Gang switch 10A	59	Nos.	920/=	54280/-
vi.	20A, Double Pole Switch	3	Nos.	950/=	2850/=
vii.	One Gang Fan Dimmer switch 10A	29	Nos.	800/=	23200/-
viii.	Two Gang Fan Dimmer switch 10A	100	Nos.	1000/-	100000/-
ix.	10A, 2Pin Switched Socket Outlet	229	Nos.	1200/-	274800/-
x.	10A, 2Pin Switched Socket Outlet Weatherproof type	2	Nos.	1250/-	2500/-
xi.	13A, 3 Pin Flat 2 Gang Switched Socket Outlet	83	Nos.	1300/-	107900/-
xii.	13A, Unswitched Spur Outlet	2	Nos.	1350/=	2700/-
xiii.	20A, Flux Outlet	3	Nos.	1350/-	4050/-
xiv.	15A, 3 Pin Switched Socket Outlet	3	Nos.	1350/-	4050/-
xv.	15A, 3 Pin Switched Socket Outlet Weatherproof type	4	Nos.	1350/=	5400/-
xvi.	20A, SPN Isolator	38	Nos.	1000/-	38000/-
xvii.	20A, SPN Isolator Weatherproof type	2	Nos.	1000/-	2000/-
xviii.	20A, TPN Isolator	1	No.	1000/=	1000/=
xix.	63A, 5Pin Industrial Socket complete with Plug	2	Nos.	2000/=	4000/=
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				687430/=

M/S FAZAL MUHAMMAD MANGI
GOVT: CONTRACTOR

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
8	**LIGHT FIXTURE & FANS**				
11	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Type - A	350	Nos.	6000/-	2100000/-
ii	Type - B	33	Nos.	4000/-	132000/-
iii	Type - C	6	Nos.	6900/-	41400/-
iv	Type - D	8	Nos.	6700/-	53600/-
v	Type - E	184	Nos.	3900/-	717600/-
vi	Type - F	66	Nos.	2900/-	191400/-
vii	Type - G	34	Nos.	2100/-	71400/-
viii	Type - H	13	Nos.	1700/-	22100/-
ix	Type - J	68	Nos.	2600/-	176800/-
x	Type - K	5	Nos.	3500/-	17500/-
xi	Type - L	242	Rm.	4000/-	968000/-
xii	Type - M	13	Nos.	8900/-	115700/-
xiii	Type - N	10	Nos.	3700/-	37000/-
xiv	Type - O	1	Nos.	5000/-	5000/-
xv	Type - T	4	Nos.	5900/-	23600/-
12	Supply, installation,testing and commissioning of following items including all connecting accessories as per drawings, specifications, complete in all respects.				
i	9" dia, Exhaust Fan	6	Nos.	5500/-	33000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				4706100/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT. CONTRACTOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
i	**CABLE TRAY** Providing, fabricating, erecting, fixing and installing of following size of base perforated Cable Tray, Fabricated with 14/16 SWG MS Sheet steel Hot dip Galvanized including all installation accessories (Hot Dip Galvanized) such as appropriate sizes and lengths of MS Rod / Angle Iron Supports and Rawl Bolts, including cutting, welding, jointing and necessary required hardware etc. Complete in all respect as shown in drawings and specification or as directed by the Engineer.				
	300 mm x 50 mm 16 SWG	20	Rm	21000/-	420000/-
	150 mm x 50 mm 16 SWG	20	Rm	15000/-	300000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				720000/-

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
7	**EARTHING SYSTEM**				
i)	Supply, installing, testing and commissioning of following items for complete earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	2	Nos.	100000/-	200000/-
ii)	Supply, installation, testing and commissioning of following items for complete clean earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	2	Nos.	100000/-	200000/-
ii	Supply, installation, testing and commissioning of Earth Copper Bar 200 mm x 50 mm x 5mm for earthing system as per drawings and instruction of consultant.	4	Nos.	100000/-	400000/-
iii	Supply, installing, testing and commissioning of following size of PVC insulated Cu.Conductor cable as earth continuity conductor (ECC) in 2" dia Upvc pipe including excavation and backfilling as per specification and drawing, complete in all respect.				
i	95 sq.mm	80	Rm	6500/-	520000/-
ii	70 sq.mm	100	Rm	4000/-	400000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				1720000/-

M/S FAZAL MUHAMMAD WA
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BILL OF QUANTITIES
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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

INCL	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
I	SUB HEAD VI JUNCTION BOX	2,400
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	**2,400**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	
B	**NON SCHEUDLE ITEM**	
I	CONDUITS & PIPES →	32750/=
II	VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only) (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	
III	PUBLIC ADDRESS / VOICE EVACUATION SYSTEM (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	
IV	CCTV SYSTEM	N/A
V	ADDRESSABLE FIRE ALARM SYSTEM (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	
VI	ACCESS CONTROL SYSTEM	N/A
VII	SELF CONTAINED EMERGENCY LIGHTS	N/A
VIII	CABLE TRAY	
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**	32750/=
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)	

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GOVT: CONTRACTOR

BILL OF QUANTITIES
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Govt. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
2	3	4	5	6	7 = 4 x 6
	PART - A (SCHEDULE ITEMS)				
	SUB HEAD VI JUNCTION BOX				
Item # 158(VI)/ P-24/ Second Edition-2012	Providing & fixing junction box as per following specification Size of box 8``x6``x4`` MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	3	Per No.	800	2,400
	CARRIED TO ELV SUMMARY =====>>>>				2,400

M/S FAZAL MUHAMMAD MANGRIO
GOVT: CONTRACTOR

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**CONDUITS & PIPES**				
1.1	Providing and laying of following size UPVC pipe of Class D for Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification. Including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh sand (6" under and 6" above pipe) etc., as shown on the drawing, complete in all respect.				
	1" dia UPVC Pipe	35	Mtr.	50/-	1750/-
	2" dia UPVC Pipe	220	Mtr.	100/-	22000/-
1.2	Providing and Construction of Manhole Size 2' x 2' x 3' mm deep 6" thick concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, complete in all respect. (For Incoming Telecommunication cables).	3	No.	~~8000~~ 3000/-	9000/-
	CARRIED TO ELV SUMMARY =====>>>>				32750/-

M/S FAZAL MUHAMMAD MANGI
GOVT: CONTRACTOR

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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
1	**VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)**				
1.1	Providing, installation, testing and commissioning of following Data / Voice Cabinets, for patch panel, Fiber panels, adapter, PDU's,Fans and space for active switches as it may require to accommodate complete the entire passive and active network as per the single line diagram drawing and specification, complete in all respect.				
	42U Data Rack in IT Room & Server Room with PDU's (800mmx1000mm)	2	Nos.	N/A	N/A
	12U Data Rack in IT Room with PDU's (800mmx800mm)	4	Nos.	N/A	N/A
1.2	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging,as per drawing and specification, complete in all respect.	4	Nos.	N/A	N/A
1.3	Providing, fixing, testing and commissioning of 4 Pair RJ-45, Cat-6 Simplex Outlet for Data with I/O - Shutter type with 16 SWG back box as per drawing and specification, complete in all respect.	32	Nos.	N/A	N/A
1.4	Supply, installing, testing and commissioning of Dual RJ-45, Cat-6 outlet for Voice & Data Outlet with shutter type and 16 SWG back box including tagging as per drawing and specification, complete in all respect.	44	Nos.	N/A	N/A
1.5	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	14	Nos.	N/A	N/A
1.6	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for WIFI with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	5	Nos.	N/A	N/A
1.7	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Projector with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	2	Nos.	N/A	N/A

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
.9	Supply, laying, testing and commissioning of CAT 6 - 4 pair cable for Single RJ-45 outlet (Data, Voice, Camera, Wifi, Projector and Access control system) in 25mm dia PVC conduit concealed/surface from each outlet to IDF racks, including tagging and piping with all necessary accessories, complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	1000	Mtr.		
.9	Supply, laying, testing and commissioning of Cat-5e, 25 pair Backbone cable from IDF rack to remaining IDF racks in already laid conduit / cable tray including with all the necessary accessories as per drawing and specifications, complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	110	Mtr.		
.10	Supply, laying, testing and commissioning of 8 core multi mode OM3 Fiber optic cable from IDF rack to remaining IDF Racks in already laid conduit / cable tray including with all necessary accessories, as per drawing and specification, complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	110	Mtr.		
.11	Supply, installing, testing and commissioning of 24 port Cat 6, RJ 45 UTP Patch Panel fully loaded with tool less jacks and rear cable manager, as per drawing and specification, complete in all respect.	6	Nos.	N/A	N/A
.12	Supply, installing, testing and commissioning of 24 port Fiber Patch Panel fully loaded with pigtails etc., and rear cable manager, as per drawing and specification, complete in all respect.	5	Nos.	N/A	N/A
.13	Supply, installing, testing and commissioning of 19" front/rear (as required) cable organizer between patch panels and active equipment to provide patch cable management including with all necessary accessories, as per drawing and specification, complete in all respect.	11	Nos.	N/A	N/A
.14	Providing, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45) for the above Patch Panels including with all necessary accessories, as per drawing and specification, complete in all respect.				
a	CAT-6 (1m) Long Patch Cord.	149	Nos.	N/A	N/A
b	CAT-6 (2m) Long Patch Cord.	149	Nos.	N/A	N/A

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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
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NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	2	3	4	5	6 = 3 x 5
	Supply, installing, testing and commissioning of following blocks in Telephone junction boxes / Data racks, as per drawing and specification, complete in all respect.				
	50 Pair IDC Block	3	Nos.	N/A	N/A
	100 Pair IDC Block	1	Nos.	N/A	N/A
	Supply, Installing, testing and commissioning of PABX with Analog (10+200) Nos. trunck ports E & M Ports with Analog extensions Ports including auto attendant multiple voice recording, as per specification and drawing, complete in all respect.	1	No.	N/A	N/A
	Providing, fixing, testing and commissioning of Floor Distribution Box with 1No. RJ-45 Cat-6 Outlet (for Voice) & 1No. RJ-45 Outlet Cat-6 (for Data), 1No. 10A, 2-Pin Switched Socket Outlet and 1No. 13A, 3-Pin Flat 2-Gang Switched Socket Outlet and I/O - Shutter type with 16 SWG back box, as per drawing and specification, complete in all respect.	2	Nos.	N/A	N/A
	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing,as build drawing,Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**PUBLIC ADDRESS / VOICE EVACUATION SYSTEM**				
.1	Providing, laying, testing and commissioning of Wiring for complete PA System with 2C - 1.5 Sq.mm shielded, twisted pair Fire Resistant Cable in 25 mm dia PVC conduit concealed as per drawing and specification. Complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	300	Mtr.		
.2	Supply, wiring and testing of PA Microphone points with Microphone Cable in 25mm dia PVC Conduit, recessed / surface in wall and ceiling, complete in all respects.	1	Job.	N/A	N/A
.3	Supply, installation, testing and commissioning of PA System complete with all connecting accessories comprising of the following equipment, as per drawing and specification, complete in all respects.			N/A	N/A
	System Manager with built in Amplifier for 4 channel and built in Modular type massage manager, as per drawing and specification, complete in all respects.	1	No.	N/A	N/A
i	Remote Microphone for upto 10 Zones with frequency response 100 Hz to 20 KHz and unidirectional electret condenser microphone gooze neck table type with RJ45 connector with shielded twisted pair cable with indicators for power, failure, broadcast switch, covered switch, as per drawing and specification, complete in all respects.	1	No.	N/A	N/A
ii	150W Power Amplifier module with frequency response 40 Hz to 20 KHz and 100V output voltage (EN54 compliant), as per drawing and specification, complete in all respects.	3	Nos.	N/A	N/A
iii	Power supply manager with RJ45 female connector for connecting the system and cascade connection with shielded twisted pair straight cable and with indications battery check, charging circuit failure, battery failure (EN54 compliant), as per drawing and specification, complete in all respects.	1	Nos.	N/A	N/A
iv	Providing & Connecting of Inter Connects Cables etc.	1	Job.	N/A	N/A

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	2	3	4	5	6 = 3 x 5
W	19' Rack Cabinet with Glass Door to accommodate above equipment's located at Security room as per drawing and specification, complete in all respects.	1	No.	N/A	N/A
	Supply, installing, testing and commissioning of following type Speakers of Architect Approved color, as per drawing and specification, complete in all respects.			.... N/A	.... N/A
	6W Surface mounted Speakers with Tapping Transformers (1,1.5,3,4.5,6W) and surface mounted boxes, EN54 Compliant.	25	No.	N/A	N/A
	Installation, testing and commissioning, Programming by Manufacturer Authorized Agent / Dealer and handing over complete PA System to Owner with providing training, SOP, complete equipment's manual and warranty documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
M	**CCTV SYSTEM**				
M.1	Supply, installing, testing and commissioning of 2 MP IP based camera with 1/2.8" 3 to 12 mm varfocal lens, power adopter, wall mounted bracket and IP-65 housing, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect.	14	Nos.	N/A	N/A
M.2	Supply, installing, testing and commissioning of 200 Channel NVR with RAID 1+0 configuration based with 1 month recording as per drawing and specifications, complete in all respect.	1	No.	N/A	N/A
M.3	Supply, installing, testing and commissioning of 32" LED Screen, including all mounting accessories etc., as per drawing and specifications, complete in all respect.	10	Nos.	N/A	N/A
M.4	Supply, installing, testing and commissioning of 40" LED Screen, including all mounting accessories etc., as per drawing and specifications, complete in all respect.	1	Nos.	N/A	N/A
M.5	Supply, installing, testing and commissioning of 27U CCTV Rack (Wall mounted), equipped with power distribution units (PDUs) with imported power sockets & proper ventilation system including fan etc., as per drawing and specifications, complete in all respect.	1	No.	N/A	N/A
M.6	Supply, installing, testing and commissioning of work station Dual VGA Card & Licensed windows, as per drawing and specifications, complete in all respect.	10	Nos.	N/A	N/A
M.7	Supply, installing, testing and commissioning of variable speed desktop keyboard with all fixing accessories, as per drawing and specifications, complete in all respect.	1	Nos.	N/A	N/A
M.8	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
B	**ADDRESSABLE FIRE ALARM SYSTEM**				
B1	Providing, laying, testing and commissioning of Wiring for complete Fire Alarm System with 2C-1.5 Sq.mm shielded 2 hrs rates, twisted pair Fire Resistant Cable in 25 mm dia PVC conduit concealed, (M.S conduit for surface) etc., including any wiring between fire alarm control panel and other's systems control panel's etc. Complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	585	Mtr.		
B2	Providing, installation, testing and commissioning of Addressable Photoelectric Smoke Detector with base and back box, as per drawing and specification, complete in all respect.	53	Nos.	N/A	N/A
B3	Providing, installation, testing and commissioning of Addressable Heat Detector with base and back box, as per drawing and specification, complete in all respect.	6	Nos.	N/A	N/A
B4	Providing, installation, testing and commissioning of Addressable Manual Call Point with base and back box, as per drawing and specification, complete in all respect.	14	Nos.	N/A	N/A
B5	Providing, installation, testing and commissioning of Addressable Sounder with flasher and base and back box, as per drawing and specification, complete in all respect.	13	Nos.	N/A	N/A
B6	Providing, installation, testing and commissioning of 02 Loop Addressable Fire Alarm Control Panel (FACP), including all necessary accessories, identification tagging etc. and battery back up. FACP as per drawing and specification, complete in all respect.	1	No.	N/A	N/A
B7	Installation, testing and commissioning, Softwear, Programming by Manufacturer Authorized Agent / Dealer and handing over complete Fire Alarm system to owner with providing training, SOP, complete equipment's manual and warranty documents to Owner's Representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
i	**ACCESS CONTROL SYSTEM**				
	Supply, installing, testing and commissioning of 2 Door Controller LAN Based with power supply, as per drawings and specification, complete in all respect.	3	No.	N/A	N/A
	Supply, installing, testing and commissioning of BIO Proximity Card Reader, as per drawings and specification, complete in all respect.	5	No.	N/A	N/A
	Supply, installing, testing and commissioning of Exit Control Push Button, as per drawings and specification, complete in all respect.	5	No.	N/A	N/A
	Supply, installing, testing and commissioning of Electromagnetic Door Lock with matching power supply, as per drawings and specification, complete in all respect.	5	No.	N/A	N/A
	Supply, installing, testing and commissioning of Access control Enterprise Software with enterprise level time attendance software integrated with IP Based CCTV System. Complete in all respect.	1	No.	N/A	N/A
	Supply, installing, testing and commissioning of Core i7 PC for enterprise software, as per drawing and specifications, complete in all respect.	1	No.	N/A	N/A
	Supply, installing, testing and commissioning of PVC Card for Reader, complete with Printer and cartridge kit, as per drawing and specifications, complete in all respect.	20	Nos.	N/A	N/A
	Installation, testing, commissioning & programming by Manufacturer Authorized Agent / Dealer and handing over complete Access Control System to Owner with providing training, SOP, complete equipment's manual and warranty documents to Owner's Representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
7	**SELF CONTAINED EMERGENCY LIGHTS**				
i	Supply, installing, testing and commissioning of following items for self contained emergency lights with all fixing accessories as per drawing and specification, complete in all respect.				
	7W, Emergency light with self contained Battery, Surface / Wall mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-R)	25	Nos.	N/A	N/A
ii	7W, Emergency light with self contained Battery, Surface / Wall mounted IP-65 as per specification and drawing complete in all respect.(non - maintained) (Type-Q)	21	Nos.	N/A	N/A
iii	8W, EXIT light with self contained Battery, 40m viewing, Surface mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-P)	27	Nos.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

E.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
!	**CABLE TRAY**				
L1	Providing and Installing of following size of base perforated for ELV System, Fabricated with 14/16 SWG MS Sheet steel Hot dip Galvanized including all installation accessories (Hot Dip Galvanized) such as appropriate sizes and lengths of M.S Rod / Angle Iron Supports and Rawl Bolts etc. Complete in all respect as shown in drawings and specification or as directed by the Engineer.				
	150 x 50mm 16 SWG	15	Mtr.		
	CARRIED TO ELV SUMMARY =====>>>>				

SPECIFICATION

HVAC WORK

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	HVAC Works	
	SUB-TOTAL-A Rs.	
	Add ------% Above/Below/As per on HVAC Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	
	TOTAL-A Rs.	
B.	**(NON-SCHEDULE ITEMS)**	
1	DX- SPLIT TYPE AIRCONDITIONING UNITS	HOLD
2	HVAC FANS	
3	CONDENSATE PIPING	
4	REFRIGERANT COPPER PIPING & ELECTRIC WIRING	
5	HANGER & SUPPORTS	
6	CIVIL WORKS	
7	GENERAL MECHANICAL ITEMS	
	SUB-TOTAL-B Rs.	
	GRAND TOTAL CARRIED MASTER SUMMARY (A+B)	

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A		SCHEDULE ITEMS				
01 /						
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**NON-SCHEDULE ITEMS**				
1		**DX- SPLIT TYPE AIRCONDITIONING UNITS** Supply, Installation, Testing & Commissioning of DX Split Air-conditioning Units, complete refrigerant piping, insulation, cladding, refrigerant tray, cable tray, thermostat & acessories. Indoor unit with all sections and components given in the schedule and specifications of DX Split Air-conditioning Units, including uplifting / lowering, loading / unloading at site, complete in all respect and as directed by the Engineer incharge in following sizes and capacities.				
		GROUND FLOOR				
i		DX-01/CU-01 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
ii		DX-02/CU-02 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
iii		DX-03/CU-03 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
iv		DX-04/CU-04 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
v		DX-05/CU-05 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
vi		DX-06,07 & 08/CU-06,07 & 08 (1.5 TR Capacity Wall Mounted Type)	3	Nos.	HOLD	HOLD
vii		DX-09/CU-09 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
viii		DX-10/CU-10 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
ix		DX-11/CU-11 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
x		DX-12/CU-12 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
		FIRST FLOOR				
		DX-01~04/CU-01~04 (1.0 TR Capacity Wall Mounted Type)	4	Nos.	HOLD	HOLD
i		DX-05~10/CU-05~10 (1.0 TR Capacity Wall Mounted Type)	6	Nos.	HOLD	HOLD
ii		DX-11/CU-11 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
iii		DX-12~13/CU-12~13 (1.0 TR Capacity Wall Mounted Type)	2	Nos.	HOLD	HOLD
iv		DX-14/CU-14 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
v		DX-15/CU-15 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
vi		DX-16/CU-16 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
vii		DX-17/CU-17 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
viii		DX-18/CU-18 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
ix		DX-19/CU-19 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
x		DX-20/CU-20 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
xi		DX-21/CU-21 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
xii		DX-22/CU-22 (1.0 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
xiii		DX-23~24/CU-23~24 (1.5 TR Capacity Wall Mounted Type)	2	Nos.	HOLD	HOLD
xiv		DX-25~27/CU-25~27 (1.5 TR Capacity Wall Mounted Type)	3	Nos.	HOLD	HOLD
xv		DX-28/CU-28 (1.5 TR Capacity Wall Mounted Type)	1	No.	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
2		**HVAC FANS** Supply, installation, testing and commissioning of HVAC fans, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
		GROUND FLOOR				
i		TEF-01(600 cfm)	1	No.		
ii		TEF-02(600 cfm)	1	No.		
iii		TEF-03(400 cfm)	1	No.		
iv		TEF-04(400 cfm)	1	No.		
v		TEF-05(200 cfm)	1	No.		
vi		TEF-06(200 cfm)	1	No.		
vii		TEF-07(200 cfm)	1	No.		
		FIRST FLOOR				
i		TEF-01(600 cfm)	1	No.		
ii		TEF-02(600 cfm)	1	No.		
iii		TEF-03(200 cfm)	1	No.		
iv		TEF-04(200 cfm)	1	No.		
v		TEF-05(200 cfm)	1	No.		
vi		TEF-06(200 cfm)	1	No.		
vii		TEF-07(400 cfm)	1	No.		
viii		KEF-01(400 cfm)	1	No.		
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**CONDENSATE PIPING** Providing and fixing, uPVC Class 'E' pipes and fittings as per BS 3505 (EN 1401) for Condenate water drainage including fittings, bends, cuttings, filling etc. as indicated on drawings, as per specifications and Engineers approval.				
i		1" dia	1140	Rft		
ii		1 1/4"' dia	60	Rft		
iii		1 1/2" dia	20	Rft		
iv		2" dia	0	Rft		
4		**REFRIGERANT / COPPER PIPING & ELECTRIC WIRING** Supply, Installation & Testing of Refrigerant copper piping for Future DX Split Air-conditioning Units, Including insulation, cladding, electric wiring , control cable & acessories as per specifications , complete in all respect and as directed by the Engineer incharge in following sizes and capacities.	1	Lot		
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**HANGER & SUPPORTS** Supply, installation, testing and commissioning of Galvanized Hanger and Supports for Refrigerant piping, all HVAC Equipments, as shown on the drawings and as specified in technical specification, complete with angle iron, rawal bolts, threading rods, nuts and bolts, wooden pieces, including the cost of cleaning, painting with corrosion resistant paint, jointing and welding, including all labour, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.	1	Lot		
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**CIVIL WORKS** Making and cutting in walls, slabs and preparation of CC foundation for Condensing Units and all other HVAC equipments in all other work such as Openings, Penetrations, Firestopping, Acoustic Cork sheet, Wooden Frame Sleeves and Pipe Sleeves, plaster finish etc as directed by Engineer Incharge, complete in all respect.	1	Job		
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**GENERAL MECHANICAL ITEMS**				
i		**SHOP DRAWINGS & AS BUILT DRAWINGS** Providing Shop Drawings and As Built Drawings in A1 size, as advised by the Consultant, complete in all respect.	1	Job		
ii		**PAINTING & FINISHES** Providing Painting and Finishing,as directed by the Engineer Incharge, complete in all respect.	1	Job		
		AMOUNT CARRIED TO HVAC SUMMARY				

This is issued to M/S Nasrum Ahmed Shah. on 29/12/18

S B B G C C L

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE

LARKANA, PAKISTAN

PACKAGE-B

HOSTEL BLOCK FOR (100) CADETS - 3 Nos.

DINING HALL WITH COOK HOUSE

LOWER STAFF ACCOMMODATION

BACHELOR'S ACCOMODATION

TENDER DOCUMENTS

- CONDITIONS OF CONTRACT
- BILL OF QUANTITIES (BOQ)
- SPECIFICATIONS
- DRAWINGS (SEPARATELY BINDED)

EA Consulting Pvt Ltd

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December, 201

CONDITION OF CONTRACT

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FORM OF BID

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FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

PART-I: GENERAL CONDITIONS OF CONTRACT

PART-II: PARTICULAR CONDITIONS OF CONTRACT

INVITATION
FOR
BIDS

PRE-QUALIFIED FIRMS ARE INVITED TO PARTICIPATE IN THE BID BY THE PROCURING AGENCY

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

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

A. GENERAL

IB.1 Scope of Bid

1.1 The Procuring Agency as defined in the Bidding Data hereinafter called "the Procuring Agency" wishes to receive bids for the construction and completion of works as described in these Bidding Documents, and summarised in the Bidding Data hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in para-6 of Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Procuring Agency has applied for/received [illegible]n/credit from the source (s) indicated in the Bidding Data in various [illegible]s towards the cost of the project specified in the Bidding Data [illegible] intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

Not applicable

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open for Pre-Qualified Contractors.

IB.4 One Bid per Bidder

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Procuring Agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Procuring Agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B: BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I (GCC).
4. Particular Conditions of Contract, Part-II (PCC).
5. Specifications – Special Provisions.
6. Specifications - Technical Provisions.
7. Form of Bid & Appendices to Bid.
8. Bill of Quantities (Appendix-D to Bid).
9. 2% Bid Security in shape of call deposit/pay order/demand draft issued by any scheduled bank of Pakistan in favor of **"Shaheed Benazir Bhutto Girls Cadet College Larkana"**
10. Form of Contract Agreement.
11. Forms of Performance Security and Mobilization Advance Bank Guarantee.
12. Drawings.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids/NIT. The Procuring Agency will respond to any request for clarification provided they are received at least five calender days prior to the date of opening of bid.

Provided that any clarification in response to query by any bidder; shall be communicated to all parties who have obtained bidding documents.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.

9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Agency may extend the deadline for submission of bids in accordance with Clause IB.20.

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring Agency shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

(a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;

(b) update the information indicated and listed in the Bidding Data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents which as a minimum, would include the following :

(i) Evidence of access to financial resources alongwith average annual construction turnover;
(ii) Financial predictions for the current year and the two following years including the effect of known commitments;
(iii) Work commitments since prequalification;
(iv) Current litigation information; and
(v) Availability of critical equipment.

and

(c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid	Proposed Construction Schedule
Appendix-F to Bid	Method of Performing the Work
Appendix-G to Bid	List of Major Equipment
Appendix-K to Bid	Organization Chart for Supervisory Staff

and other pertinent information such as mobilization programme etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:-

(a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;

(b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

(c) the partner-in-charge shall always be duly authorized to deal with the Procuring Agency regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

(d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para(b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid)

(e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Procuring Agency.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates 2012 (Government of Sindh), as the case may be.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates 2012 (Government of Sindh) if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates 2012 (Government of Sindh)

12.3 The Bid price submitted by the contractor shall include all rates and prices including the taxes. All Duties, taxes and other levies payable by the contractor under the contract.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring Agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids.

For the purpose of payments the exchange rates used in bid preparation shall apply for the duration of the Works.

Not applicable

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Agency may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security (2% of bid value) in the amount in shape of call deposit/pay order/demand draft and in the form as stipulated in the Bidding Data (sub-para 15.1) in Pak Rupees .

15.2 The Bid Security shall be, at the option of the bidder, in shape of call deposit/pay order/demand draft issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.

15.4 The bid securities shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or validity period has expired.

15.5 The Bid Security of the successful bidder will not be returned but will be adjusted as part of Retention Money.

15.6 The Bid Security may be forfeited:

(a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or

(c) In the case of successful bidder, if he fails within the specified time limit to furnished the required Performance Security; sign the Contract Agreement or Furnish the required JV agreement within 7 days of the receipt of letter of acceptance (if applicable).

IB.16 Alternate Proposals by Bidder

16.1 Each Bidder shall submit only one bid either by himself, or as a member of joint venture.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Agency for the award of Contract to such bidder.

Not applicable

IB.17 Pre-Bid Meeting

17.1 The Procuring Agency may, on his own motion or at the request of any bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all concerned bidders or their authorized represnentatives shall be invited to attend such a pre-bid meeting at their own expenses.

17.2 The Concerned bidders are requested to submit questions, if any, in writing so as to reach the Procuring Agency not later than seven (7) days before the proposed pre-bid meeting as mentioned in sub-para 17.1 of Bidding Data.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations one (1) original and 2 copies, specified in the Bidding Data, of the documents

comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and 'COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Agency, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit his bid as under:-

(a) ORIGINAL and 2 copies of the Bid shall be separately sealed and put in separate envelopes and marked as such.

(b) The envelopes containing the ORIGINAL and 2 copies will be put in one sealed envelope and addressed / identified as given in Sub- Clause 19.2 hereof.

19.2 The inner and outer envelopes shall:-

(a) be addressed to the Procuring Agency at the address provided in subpara-1.1 of the Bidding Data;

(b) bear the name and identification number of the contract as defined as mentioned in sub-para-1.2 in the Bidding Data; and

(c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

19.3 In addition to the identification required in Sub- Clause 19.2 hereof, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21

19.4 If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 (a) Bids must be received by the Procuring Agency at the address specified no later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail, if the bidder wishes to receive an acknowledgment of receipt of bid, he shall make a request for such acknowledgment in a letter attached to but not included in the sealed bid package.

Not applicable

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Agency may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Procuring Agency and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1 (a) Any bid received by the Procuring Agency after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

(b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.

22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Procuring Agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.

23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Procuring Agency may consider appropriate, will be announced by the Procuring Agency aloud at the opening of bids.

23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring Agency shall announce he results of bid evaluation in form of report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if its website exists and intimated to all bidders at least 7 (seven) days prior to the award of contract. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Procuring Agency's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring Agency may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring Agency will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Agency's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Procuring Agency for any arithmetic errors. Errors will be corrected by the Procuring Agency as follows:

(a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring Agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Procuring Agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.

28.2 In evaluating the Bids, the Procuring Agency will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:

(a) making any correction for errors pursuant to Clause IB.27;

(b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Daywork; and

(c) making an appropriate adjustment for any other acceptable variation or deviation.

28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

28.4 If Bid of successful bidder is found seriously unbalanced in relation to the Procuring Agency's estimate of cost of work to be performed under the Contract, the Procuring Agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Procuring Agency may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring Agency against financial loss in the event of default of the successful bidder under the Contract.

28.5 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;

(i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

28.6 **Evaluation Report (SPP Rule 45)**
After the completion of evaluation process, as described in the clauses IB 27 IB 28, the procuring agency shall announce the results of bid evaluation in form of report (available on the website of the authority) giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the authority and that of procuring agency it its website exists and intimated to all bidders at least seven (7) dayd prior to the award of contract.

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence.

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring Agency's Right to Accept any Bid and to Reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Procuring Agency reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Agency will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, Procuring Agency may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Agency and the bidder till signing of the formal Contract Agreement.

31.4 Upon signing of contract with successful bidder the Procuring Agency will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

31.5 Within seven (7) days of the award of contract, procuring agency shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and following information:

(1) Evaluation Report
(2) Form of Contract and Letter of Award
(3) Bill of Quantities or Schedule of Requirement

31.6 **Debriefing (SPP Rule 51)**

(a) A Bidder may ask the Procuring Agency for reasons for non acceptance of his bid and may request for a debriefing meeting and Procuring Agency shall give him the reasons for such non acceptance, either in writing or by holding a debriefing meeting with such a bidder.

(b) The requesting bidder shall bear all the costs of attending such a debriefing.

IB.32 Performance Security (SPP Rule 39)

32.1 The successful bidder shall furnish to the Procuring Agency, a performance security of an amount equal to 10% of the contract price in the form of a bank guarantee as stipulated in the bidding Data and the Conditions of Contarct within fourteen (14) days after the receipt of letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

32.3 Validity of performance security shall extend at least three sixty four (364) days beyond the date of completion of contract to cover defects liability periods as mentioned in Appendix A to bid subject to final acceptance by the procuring agency.

IB.33 Signing of Contract Agreement (SPP Rule 39)

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Procuring Agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Agency.

33.3 A Procurement contract shall come into force when the Procuring Agency requires signs contract, the date on which the signatures of both the Procuring Agency and the successful bidder are affixed to the written contract. Such affixing of signatures shall take place within the time prescribed in the bidding documents.

Provided that the Procuring Agency may reduce the maximum time limit for signing of contract, as and when required, and shall be mentioned in the bidding documents.

33.4 **Stamp Duty**

The formal agreement between Procuring Agency and the successful bidder shall be duly stamped at the rate of 0.35% of bid price (updated from time to time) stated in the letter of acceptance.

IB.34 General Performance of the Bidders

The Procuring Agency may in case of inconsistent/ poor performance of the contractor and his failure to remedy the under performing contract may take such action as may be deemed appropriate under the circumstances of the case including the rescinding the contract and /or black listing of such contractors and debarring him from participation in future bidding process also refer the case of the contractor to the Pakistan Engineering Council (PEC) upon such reference PEC in accordance with its rules, procedures and relevant laws of the land take such actions as may be deemed appropriate under the circumstances of the case.

IB.35 Integrity Pact (SPP Rule 89)

The Bidder shall sign and stamp the Integrity Pact provided at Appendix to Bid in the Bidding Documents for all Provincial/Local Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

IB.37 Arbitration (SPP Rule 34)

Any dispute that is not amicably resolved shal be finally settled, unless otherwise specified in the contract, under the arbitration act 1940 updated from time to time and would be held anywhere in province of Sindh at the discretion of Procuring Agency.

BIDDING DATA

BD-2

BIDDING DATA

The following specific data for the Works to be bided shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders
Clause Reference

1.1 Name and address of the Procuring Agency:

Shaheed Benazir Bhutto Girls Cadet College Larkana

1.2 Name of the Project and Summary of the Works:

The name of the Works is "Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-B" which includes the following;

a. Hostel Block for (100 cadets) x 3 Nos
b. Dinning Hall with Cook House
c. Lower Staff Accommodation
d. Bachelor's Accommodation

2.1 Name of the Borrower/Source of Financing/Funding Agency:

Sindh Government Funds

8.1 Time limit for clarification:

Minimum number of days to seek clarification by the prospective Bidder shall be seven (7) calender days prior to the Date of Opening of Tender.

10.1 Languages:

English

13.1 Bidders to quote entirely in Pak. Rupees.

14.1 Period of Bid validity:

Bid shall be valid for 90 days from the date of opening of bid.

15.1 Amount of Bid Security:

Bid Security in form of Call Deposit / Pay Order/ Demand Draft of the amount at **2% of the Bid Price** in favor of **Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana** which shall remain Valid for a period of 28 days beyond the validity period of bids mentioned in para 14.1 above.

18.4 Number of copies of the Bid to be completed and returned:

One original of all Volumes (I, II, III and IV) and two copies of Volume-III (Bill of Quantities) as hard copy

19.2(a) Procuring Agency's address for the purpose of submission:

Shaheed Benazir Bhutto Girls Cadet College Larkana

19.2(b) Name and Number of the Contract:

"Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-B"

20.1(a) Deadline for submission of Bids:

Bids shall be received at Pricuring Agency's Address mentioned in para 19.2(a) above not later than 14:00 Hours on _____ 2018.

23.1 Venue, time, and date of opening:

Bids shall be opened at 15:00 hours on _____ 2018.

32.1 Standard form and amount of Performance Security acceptable to the Procuring Agency:

Performance Security shall be of an amount equal to 10% of the contract price submitted in shape of a **bank guarantee or pay order or demand draft** valid till the expiry of defects liability period defined in Appendix-A to bid.

32.2 Stamp Duty

0.35% of bid price will be paid by successful bidder as stamp duty.

FORM OF BID
AND
APPENDICES TO BID

FB-1

FORM OF BID

Bid Reference No. **Shaheed Benazir Bhutto Girls Cadet College Larkana – Package-B.**

To:

Project Director,
Shaheed Benazir Bhutto
Girls Cadet College,
Larkana

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs: _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to you and valid for a period of _____days beginning from the date bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other Bidder for the Works.

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____dayof_____20_____

Signature: _____

In the capacity of _____duly authorized to sign bids for and on behalf of

_____
(Name of Bidder in Block Capitals)
(Seal)

FB-2

Address:_____
_____
_____

Witness:

Signature: _____
Name: _____

Address. _____
_____

Occupation_____

BA-1
Appendix-A to Bid

SPECIAL STIPULATIONS

Clause
Conditions of Contract

For ease of reference, certain information and Special Stipulations applicable to the contract, which are the subject of this Bid, are set forth herein. Where these Conditions conflict with the provisions or requirement set forth elsewhere in the Contract Document, the Conditions as given in Appendix-A to Bid shall govern.

1.	Engineer's Authority to issue Variation in emergency	2.1	—	**Not Applicable**
2.	Time of submission & Amount Performance Security	10.1	With in **14 (Fourteen)** calender days of LOA for an amount of **10% (Ten percent)** of the contract Amount stated in the LOA in the form of irrevocable bank guarantee.	
3.	Time for Furnishing Programme	14.1	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
	Time for Furnishing Cash Flow	14.3	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
4.	Minimum amount of Third Party Insurance	23.2	**2% (Two Percent)** of the contact amount per occurrence. No. of occurrences unlimited.	
5.	Time for Commencement	41.1	Within **14 (Fourteen) calendar days** from the date of receipt of Engineer's Notice to Commence which shall be issued within **14 (Fourteen) calendar days** after signing of Contract Agreement.	
6.	Time for Completion	43.1, 48.2	**12 months** from the date of receipt of Engineer's Notice to Commence.	

7.	Amount of Liquidated Damages	47.1	**0.1% of the contact value** for each day of delay in completion of the Works subject to a **maximum of 10% of Contract Price** stated in the Letter of Acceptance.	
8.	Defects Liability Period	49.1	**12 months** from the effective date of Taking Over Certificate.	
9.	Percentage of Retention Money	60.2	**10%** of the amount of Interim/running Payments	
10.	Limit of Retention Money	60.2	**5%** of Contract Price to be stated in the letter of acceptance.	
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	____	**Not Applicable**
12.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring Agency	60.10	28 days in case of local currency.	
13.	Mobilization Advance (Interest Free)	60.12	**10% of Contract Price** stated in the Letter of Acceptance.	

BB-1

Appendix-B to Bid

FOREIGN CURRENCY REQUIREMENTS

1. The Bidder may indicate here in below his requirements of foreign currency (if any), with reference to various inputs to the Works.

Not applicable

2. Foreign Currency Requirement as percentage of Bid Price excluding Provisional Sums _____%.

3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	----------
Euro	----------
Japanese Yen	----------
U.K. Pound	----------
U.S. Dollars	----------
----------	----------
----------	----------

BC-1

Appendix-C to Bid

PRICE ADJUSTMENT UNDER CLAUSE 70

OF CONDITIONS OF CONTRACT

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

(To be filled by the Procuring Agency)

Cost Element	Description	Weightages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.60	
(ii)	Local Labour**	0.20	
(iii)	Cement – in bags	0.06	
(iv)	Reinforcing Steel	0.12	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(v)	High Speed Diesel (HSD)	0.02	
	Total	**1.00**	

** Percentage increase in the cost of Unskilled Labour as arrived from the above Monthly Statistical Bulletin shall be applicable to the Skilled Labour of any trade as well. Unskilled Labour wages represent that of skilled labour wages of all categories.

Notes:

1) Indices for "(i)" to "(v)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) Any price adjustment shall be worked out only by taking the difference between the base cost indices or prices stated in the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin 28 days prior to the latest day for submission of bids and those indices or prices applying 28 days prior to the last day of the billing period taken from.

The actual amount of above stated adjustments shall be calculated as stipulated in clauses 70.1 of the Particular Conditions.

BD-1

Appendix-D to Bid

BILL OF QUANTITIES

See separate volume - III

BE-1

Appendix-E to Bid

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the Works and parts of the Works may meet Procuring Agency's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Whole Works	_____ days
b)	Part-A	_____ days
c)	Part-B	_____ days
d)	_____	_____ days
e)	_____	_____ days

BF-1

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

[The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.]

BG-1

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

BG-2

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

BH-1

Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).

2. Provision of Services.

   a) Power (expected power load, etc.).
   b) Water (required amount and system proposed).
   c) Sanitation (sewage disposal system, etc.).

3. Construction of Facilities

   a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
   b) Warehouses and Storage Areas (area required, type of construction and layout).
   c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Security services, etc.).

BI-1

Appendix-I to Bid

LIST OF SUBCONTRACTORS

I/We intend to subcontract the following parts of the Work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Part of Works (Give Details)	Subcontractor (With Complete Address)
1	2

BJ-1

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Quarter/ Year/ Period	Amounts (1,000 Rs.)
1	2
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
5th Quarter	
6th Quarter	
7th Quarter	
8th Quarter	
9th Quarter	
Bid Price	

BK-1

Appendix-K to Bid

ORGANIZATION CHART FOR THE SUPERVISORY STAFF AND LABOUR

BL-1

Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer: .....
Signature: .....
[Seal]

Name of Seller/Supplier: .....
Signature: .....
[Seal]

FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

BS-1

BID SECURITY

(Bank Guarantee)

(On the required value of non-judicial Stamp Paper of the Government of Pakistan)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

_____

Penal Sum of Security Rupees. _____(Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto

_____

(hereinafter called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for_____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Agency, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Agency, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Agency after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Agency pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Agency in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

BS-2

PROVIDED THAT the Surety shall forthwith pay the Procuring Agency the said sum upon first written demand of the Procuring Agency (without cavil or argument) and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring Agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

_____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

PS-1

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address:_____
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address:_____

Penal Sum of Security (express in words and figures)_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PS-2

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor (Bank)

Witness:

1. _____

_____
Corporate Secretary (Seal)

2. _____

_____
Name, Title & Address

Signature _____

Name _____

Title _____

_____
Corporate Guarantor (Seal)

CA-1

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of_____(month) 20____ between _____ (hereafter called the "Procuring Agency") of the one part and _____(hereafter called the "Contractor") of the other part.

WHEREAS the Procuring Agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Contract Agreement;
   (b) The Letter of Acceptance;
   (c) The completed Form of Bid;
   (d) Special Stipulations (Appendix-A to Bid);
   (e) The Particular Conditions of Contract – Part II;
   (f) The General Conditions – Part I;
   (g) The completed Appendices to Bid (B, C, E to L);
   (h) The Drawings;
   (i) The Specifications; and
   (j) Any other document forming part of the Contract

3. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

_____
(Seal)

Signature of Procuring Agency

_____
(Seal)

CA-2

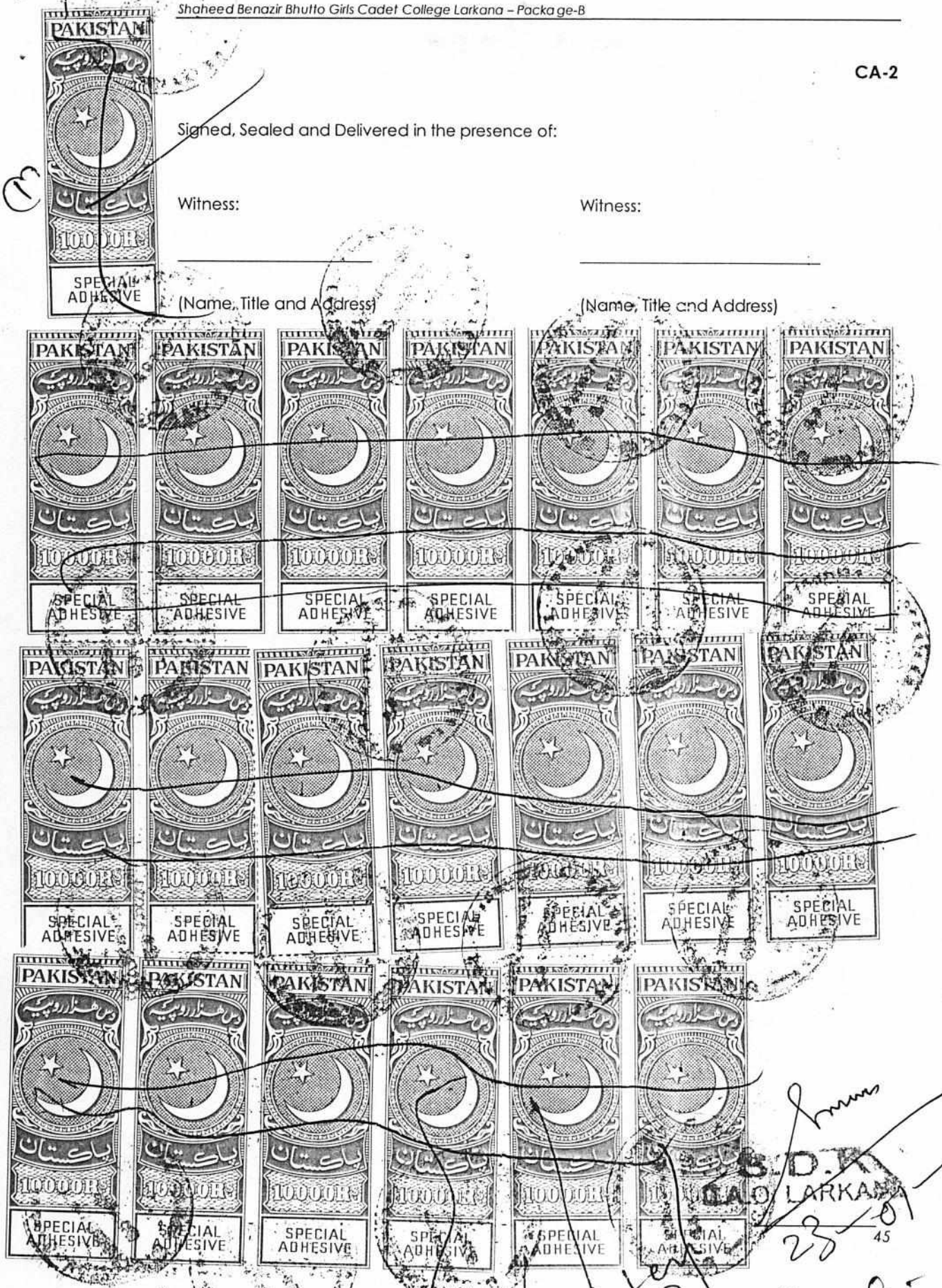
Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)



Shaheed Benazir Bhutto Girls Cadet College Larkana – Package-B

MG-1

MOBILIZATION ADVANCE GUARANTEE
(Bank Guarantee)

Guarantee No._____ Date _____

WHEREAS _____ (hereinafter called the 'Procuring Agency') has entered into a Contract for _____
(Particulars of Contract)
with _____ (hereinafter called the "Contractor').

AND WHEREAS, the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Agency has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____
(Scheduled Bank in Pakistan)
(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____ whichever is earlier.
(Date)
The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees _____ (Rs _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date [illegible] payment is not fully adjusted.

S.D.
O.A.O. LARK

_____
EA Consulting (f.

23/01/19

Rs 1110000

MG-2

GUARANTOR

1. Signature _____
2. Name _____
3. Title _____

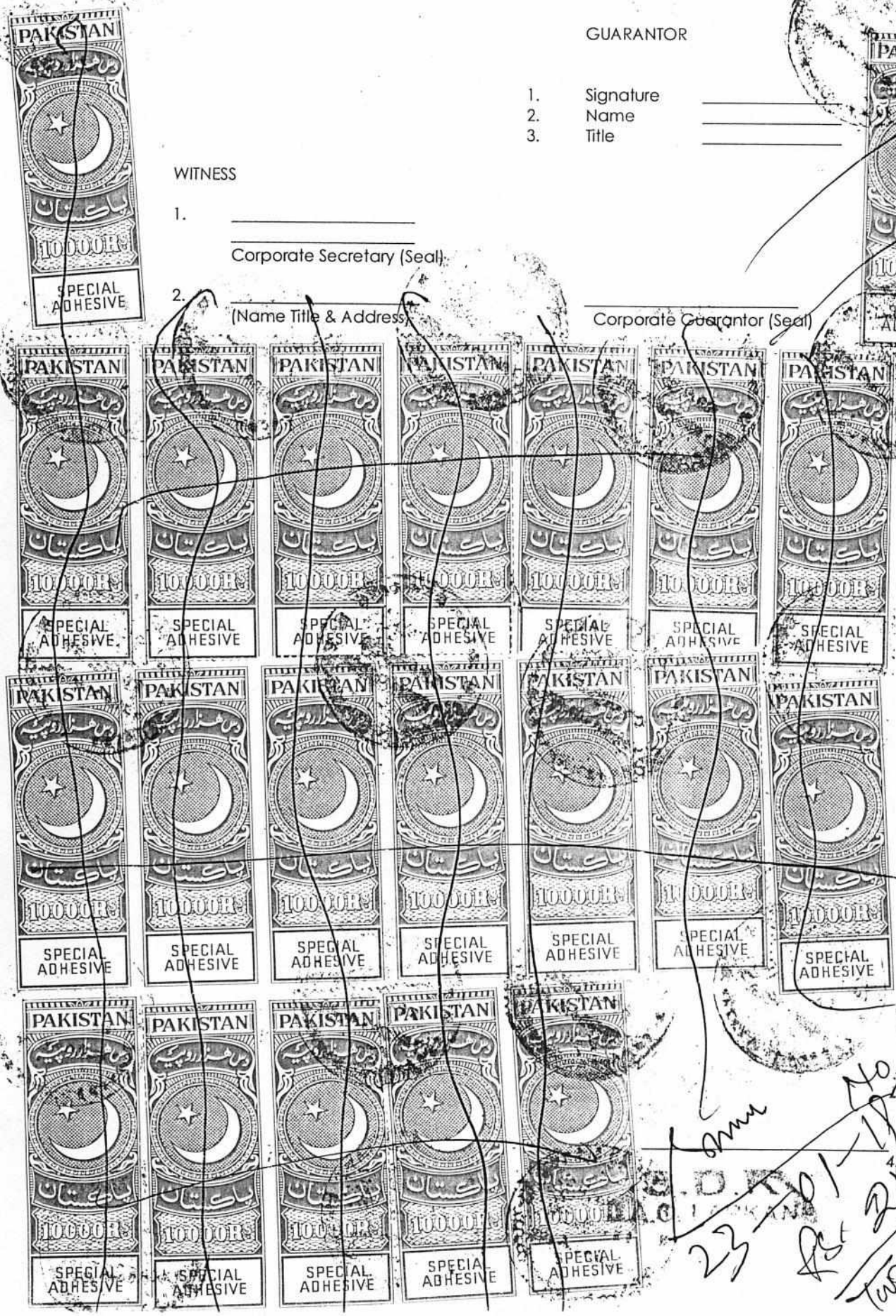
WITNESS

1. _____

_____
Corporate Secretary (Seal)

2. _____
(Name Title & Address)

_____
Corporate Guarantor (Seal)



PAKISTAN
دس ہزار روپیہ
پاکستان
10000R
SPECIAL ADHESIVE



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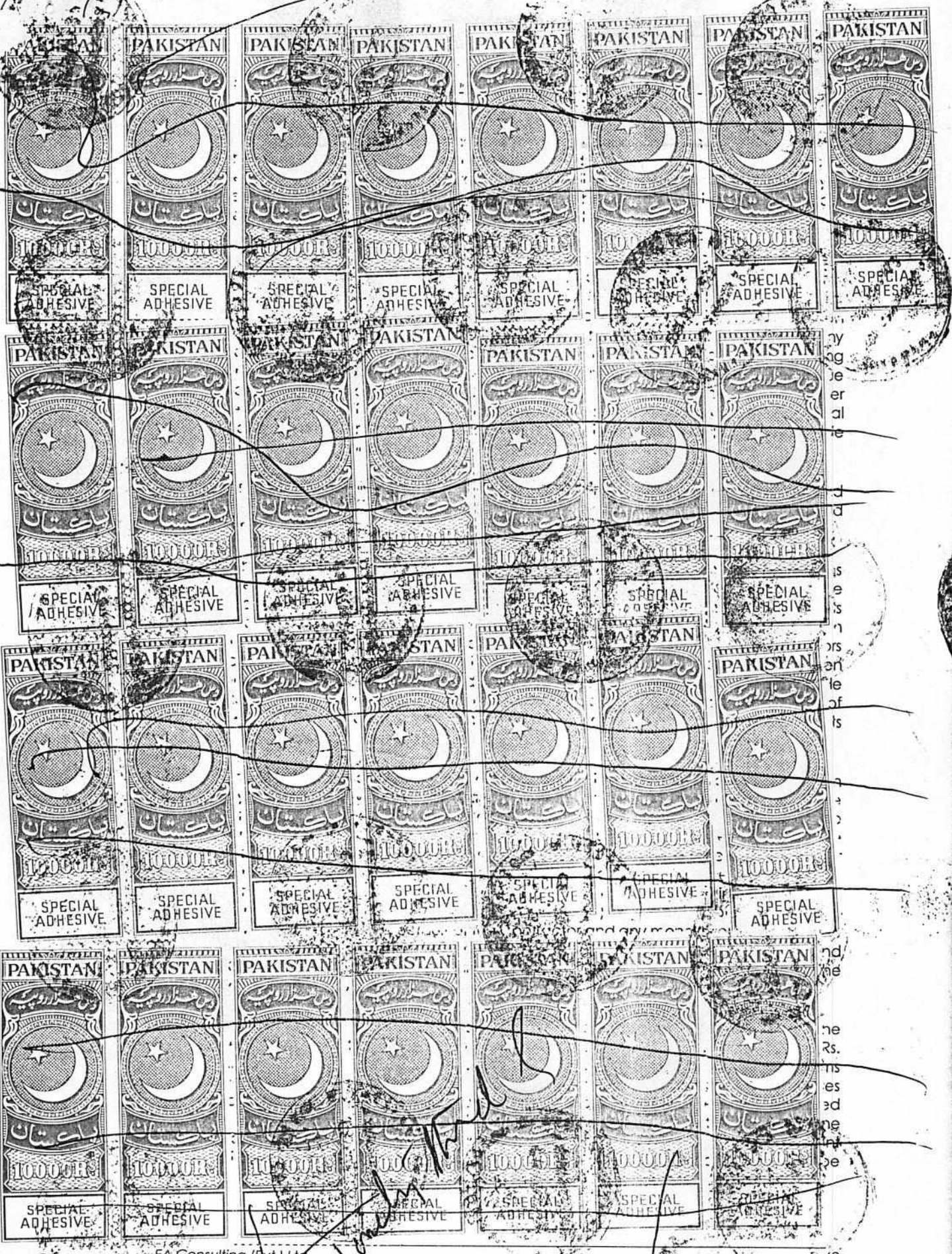
M.O. CARKAM

23-01-19

No 1603
23/01/19
Rs. 360000
Three Lacs
Sixty thousand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PAKISTAN SPECIAL ADHESIVE



1603 Date 23/01/2019

Issued to Mumtaz Hussain Solangi Engineer Cadet College

R/O Larkana Rs. 193393/=

C/O Hakim & Co

Total Rs. 1373393/=

S.D.O

23-01-19

PART 1 - GENERAL CONDITIONS

GENERAL CONDITIONS OF CONTRACT

PREPARED BY

THE PAKISTN ENGINEERING COUNCIL

(VERSION NOVEMBER 2007) FOR

THE WORKS OF

CIVIL ENGINEERING CONSTRUCTION

Bidder is supposed to possess a copy with him

PART II – PARTICULAR CONDITIONS

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PART II - PARTICULAR CONDITIONS OF CONTRACT

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PART II - PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

(a) (i) The Procuring Agency & its representative is
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

(a) (iv) The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

The following paragraph is added:

(a)(vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.

(b)(v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

(b)(ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(e)(i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Procuring Agency before carrying out his duties in accordance with the following Clauses:

(i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".

(ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".

(iii) Any action under Clause 10 "Performance Security" and Clauses 21, 23, 24 & 25 "Insurance" of sorts.

(iv) Any action under Clause 40 "Suspension".

(v) Any action under Clause 44 "Extension of Time for Completion".

(vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).

(vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51,except:

a) in an emergency* situation, as stated herebelow, or

b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

(x) Extra payment as a result of Contractor's claims under Clause 53.

(xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".

(xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.

(xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.

(xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

(Note: Procuring Agency may further vary according to need of the project)

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Procuring Agency.)

2.2 Engineer's Representative

The following paragraph is added:

The Procuring Agency shall ensure that the Engineer's Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Procuring Agency intends to replace the Engineer, the Procuring Agency shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Procuring Agency shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Agency, with supporting particulars."

5.1 Language(s) and Law

(a) The Contract Documents, shall be drawn up in the English language.
(b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

(1) The Contract Agreement (if completed);
(2) The Letter of Acceptance;
(3) The completed Form of Bid;
(4) Special Stipulations (Appendix-A to Bid);
(5) The Particular Conditions of Contract – Part II;
(6) The General Conditions – Part I;
(7) The priced Bill of Quantities (Appendix-D to Bid);
(8) The completed Appendices to Bid (B, C, E to L);
(9) The Drawings;
(10) The Specifications; and
(11) _____ (any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Programme to be Submitted

The programme shall be submitted within 14 days from the date of receipt of Letter of Acceptance, which shall be in the form of:

i) a Bar Chart identifying the critical activities.
ii) a CPM identifying the critical path/activities.
(Procuring Agency to select appropriate one)

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 14 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Programme and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed programme for the following:

(1) Execution of Works;
(2) Labour Employment;
(3) Local Material Procurement;
(4) Material Imports, if any; and
(5) Other details as required by the Engineer.

(b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 10 copies each of Monthly Progress Reports covering:

(1) A Construction Schedule indicating the monthly progress in percentage;
(2) Description of all work carried out since the last report;
(3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
(4) Monthly summary of daily job record;
(5) Photographs to illustrate progress ;and
(6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.

(c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorised representative at Site shall be authorised to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorise or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Procuring Agency's Risks

The Procuring Agency's risks are:

Delete the text and substitute with the following:

(a) insofar as they directly affect the execution of the Works in Pakistan:

(i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,

(ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,

(iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,

(iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,

(v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;

(b) loss or damage due to the use or occupation by the Procuring Agency of any Section or part of the Permanent Works, except as may be provided for in the Contract;

(c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and

(d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen, or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:

(a) prevent loss or damage to physical property from occurring by taking appropriate measures, or

(b) insure against.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Procuring Agency.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Procuring Agency at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of' wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favourable than the general level of wages and conditions observed by other Procuring Agencys whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Procuring Agency or the Engineer; except with the prior written consent of the Procuring Agency or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, these facilities shall be handed over to the Procuring Agency or if the Procuring Agency so desires, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognised festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall , so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

The following Sub-Clause 47.3 is added:

47.3 Bonus for Early Completion of Works

The Contractor shall in case of earlier completion of either whole or part(s) of the Works pursuant to Sub-Clauses 48.1 and 48.2 respectively of the General Conditions of Contract, be paid bonus up-to a limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages prescribed in Appendix-A to Bid "Special Stipulations".

Not applicable

48.2 Taking Over of Sections or Parts

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall" the following is added:
within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) submits reasonable evidence to the Engineer, or
b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
   ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Procuring Agency may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Agency, the amount which the nominated Subcontractor was directly paid by the Procuring Agency.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words " Sub-Cause 60.11 (a)(6) hereof".
(in case Clause 60.11 is applicable)

60.2 Monthly Payments

In the first line, "28" is substituted by "14".

60.11 Secured Advance on Materials

a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an indemnity bond acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:

(1) The materials are in accordance with the Specifications for the Permanent Works;

(2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;

(3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;

(4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor;

(5) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Agency; and

(6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.

(b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis.

60.11 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Procuring Agency by adopting any one of the following three Alternatives:

(Appropriate alternative only to be retained)

Alternative One: Mobilization Advance

(a) An interest-free Mobilization Advance up to 15 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee/Bond for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan or an insurance company acceptable to the Procuring Agency:

(1) First part within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier; and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.

(b) This Advance shall be recovered in equal instalments; first instalment at the expiry of third month after the date of payment of first part of Advance and the last instalment two months before the date of completion of the Works as per Clause 43 hereof.

Alternative Two: Mobilization/ Demobilization Cost

Mobilization Cost shall be paid to the Contractor as a part of the priced Bill of Quantities. This cost shall not exceed 10 % of the Tender Price and shall be paid to the Contractor as follows:

(i) 80 % of the Mobilization Cost shall be paid for mobilization at Site. This payment shall be in three stages as follows:

Stage I: 20 % of Mobilization Cost upon obtaining and furnishing of Performance Security and insurance policies and construction of camp and housing facilities as required under the Contract;

Stage II: 30 % of Mobilization Cost upon providing & installing preliminary requirements of Contractor's Equipment, materials and temporary structures for the commencement of Works to the satisfaction of the Engineer and achieving 3 % value of the Works (excluding payment under Stage-I);

Stage III: 30 % of Mobilization Cost upon providing balance Contractor's Equipment to complete full requirement for the entire work and after achievement of progress to the extent of 6 % value of the Works (excluding payments under Stages I and II); and

(ii) 20 % of Mobilization Cost shall be paid for operation and maintenance of the constructed facilities and for demobilization as per schedule of payment to be submitted by the Contractor in accordance with Clause 57.2 and approved by the Engineer.

Alternative Three: Materials Supplied by Procuring Agency

The Procuring Agency shall supply to the Contractor materials, like cement, steel, bitumen or any other material whichever deemed necessary to complete the project; and the cost thereof shall be recovered from the Contractor through monthly statements on the basis of actual consumption.

The list of materials, quantities and rates to be charged to the Contractor shall be provided alongwith Appendix-A to Bid "Special Stipulations".
(Procuring Agency may opt either "Secured Advance on Materials" or "Financial Assistance to Contractor")

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Procuring Agency against the Contractor under this Clause, the Procuring Agency may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:
The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67. 3 Arbitration

In the sixth to eight lines, the words "shall be finally settled ..... appointed under such Rules" are deleted and substituted with the following:

shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:
The place of arbitration shall be Karachi Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Procuring Agency and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Procuring Agency and Engineer

For the purposes of this Sub-Clause, the respective address are:

a) The Procuring Agency & its Representative:
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

b) The Engineer:
The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax, tax on services, GST and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes. All prices are inclusive income tax, sales tax, tax on services and other taxes.

73.2 Customs Duty & Taxes

(Procuring Agency may incorporate provisions where applicable)

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Procuring Agency shall be entitled to:

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Agency's Convenience

The Procuring Agency shall be entitled to terminate the Contract at any time for the Procuring Agency's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor:

(a) shall proceed as provided in Sub-Clause 65.7 hereof; and

(b) shall be paid by the Procuring Agency as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Procuring Agency shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Procuring Agency for the fulfilment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Agency.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Procuring Agency or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

BILL OF QUANTITIES





Name of Work : Construction of Hostel Block, Dinning Hall, Lower Staff Hostel, Bachelor's Accomodation and Bore Holes (Package-B)

GRAND SUMMARY

S.NO	DESCRIPTION	COST OF SCHEDULE ITEMS (Rs)	COST OF NON SCHEDULE ITEMS (Rs)	PREMIUM ON SCHEDULE ITEMS (Rs)		PRIME COST (Rs)	TOTAL COST (Rs)
		1	2	%	3	4=1+3	5=2+4
1	CIVIL WORKS						
	a) Hostel Block (2Nos)	127,970,134.00	8162700	31.55	40310592	168280726	176443426/=
	b) Dining Hall with Cook House	45,994,931.27	1809800	=	14488403	60483331	7858313 4/=
	c) Lower Staff Hostel	20,515,322.07	1083450	=	6462326	26977648	28061098
	d) Bachelor's Accommodation	22,221,584.04	882700		6991799	29221383	30104083
	e) Bore Holes					Total=	313191741
2	PLUMBING WORKS	14705621					
	a) Hostel Block (2Nos)	2806,296.60	10416840	28%	2941712/=	1765034	12181874/=
	b) Dining Hall with Cook House	75,453.00	2497715	=	15090	905442	2588255/=
	c) Lower Staff Hostel	188,941.00	2515690	=	37,785	226728	2742419/=
	d) Bachelor's Accommodation	299,082.00	3407160	=	59816	358898	3766058/=
3	ELECTRICAL & ELV WORKS						21278610
	a) Hostel Block (2Nos)	6,340,722.00	7852956	25%	1585181	7925402	15778859
	b) Dining Hall with Cook House	1,624,301.00	2753565	5	406075	2030376	4783941
	c) Lower Staff Hostel	1,240,242.00	1521977	=	310601	1550313	3072280
	d) Bachelor's Accommodation	1,524,571.00	1829136	=	381143	1905713	3734858/=
4	HVAC WORKS						27369938
	a) Hostel Block (2Nos)	—	537400	—	—	—	537400
	b) Dining Hall with Cook House	—	428000	—	—	—	428000
	c) Lower Staff Hostel	—	113000	—	—	—	113000
	d) Bachelor's Accommodation	—	398000	—	—	—	398200
	Add Difference of materials (only for civill works) with respect to CSR-20112 - 2018 Annexure "A"						1476-600 29,081,352.00
	Total (1+2+3+4)						392398232
	TOTAL CARRIED TO FORM OF TENDER >>>>>>>>>>>>>>>>>>>>						392.398 (m)

(Amount in words Rupees. Three hundred Ninty two million, Three hundred Ninty Eight thousand) only

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet Colloge Larkana

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet Colloge Larkana

Chairman
Shaheed Benazir Bhutto
Girls Cadet Colloge Larkana

CIVIL WORK



S.NO	DESCRIPTION		AMOUNT
A.	SCHEDULE ITEMS		
1	EARTH WORKS		876,811
2	SUB STRUCTURE		15,690,336
3	SUPER STRUCTURE		17,344,340
4	MASONRY WORKS		1,763,485
5	THERMAL & MOISTURE PROTECTION		744,444
6	MATEL WORKS		769,280
7	DOORS AND WINDOWS		14,803,526
8	FLOOR FINISHES		4,954,993
9	WALL FINISHES		3,337,894
10	CEILING FINISHES		736,391
11	EXTERNAL FINISHES (BUILDING)		2,751,918
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)		211,649
	TOTAL FOR 01 NO		63,985,067
	TOTAL OF SCHEDULE ITEMS FOR 02 NOS CARRIED TO GRAND SUMMARY	2	127,970,134
B	(NON-SCHEDULE ITEMS)		
1	EARTH WORKS		
2	SUB STRUCTURE		
3	SUPER STRUCTURE		
4	MASONRY WORKS		
5	THERMAL & MOISTURE PROTECTION		
6	MATEL WORKS		450 000/-
7	DOORS AND WINDOWS		305400/-
8	FLOOR FINISHES		
9	WALL FINISHES		
10	CEILING FINISHES		
11	EXTERNAL FINISHES		
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)		3325 950/-
	TOTAL FOR 01 NO		4081350
	TOTAL OF NON-SCHEDULE ITEMS FOR 02 NOS CARRIES TO GRAND SUMMARY	2	8162700

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	68044 Cft	%0 Cft	8,152.50	554,728.71
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	16169 Cft	%0 Cft	8,702.50	140,710.72
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	38264 Cft	%0 Cft	4,740.00	181,371.36
		Total Amount Carried to Civil Summary				**876,811**
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge	35252 Cft	% Cft	9,416.28	3,319,427.03
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	1418 Cft	% Cft	12,595.00	178,597.10
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	10362 Sft	% Sft	3,127.41	324,062.22

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUB-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	18214 Cft	Per Cft	337.00	6,138,118.00
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	**STEEL REINFORCEMENT (SUB-STRUCTURE)** Fabricating of Tor steel reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	1066 Cwt	Per Cwt	5,001.70	5,331,812.20
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	**BITUMEN COATING** Bitumen coating to plastered or cement concrete surface.	32668 Sft	% Sft	778.09	254,186.44
2.7	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	**TERMITE TREATMENT** Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. **(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)**	14798 Sft	P.Sft	9.74	144,132.52
		Total Amount of Schedule Items Carried to Civil Summary				**15,690,336**
3		**SUPER-STRUCTURE**				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUPER-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)□	From 0.00 to 20' Height	12496 Cft	Per Cft	337.00	4,211,152.00
	Item # 6 (ai)+d□	From 20' to 40' Height	11907 Cft	Per Cft	349.10	4,156,733.70

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	970 Cwt	Per Cwt	5,001.70	4,851,649.00
	Item # 8 (b)+29	From 12 to 24' Height	766 Cwt	Per Cwt	5,152.95	3,947,159.70
	Item # 8 (b)+29+29	From 24' to 36' Height	30 Cwt	Per Cwt	5,304.20	159,126.00
		PVC WATER STOPPER BAR				
3.3	Chapter-1/ Vol-III,Part-III, (PHEW) Item # B-1 / P-56	Providing expansion joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc.complete.	40 Rft	Rft	463.00	18,520.00
		Total Amount of Schedule Items Carried to Civil Summary				**17,344,340**

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6.00	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	1456 Sft	%Sft	3,912.85	56,971.10
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	9416 Cft	%Cft	13,227.41	1,245,492.93
		ii) From 12'-0" to 22'-0" height	1652 Cft	%Cft	13,666.04	225,762.98
		iii) From 22'-0" to 32'-0" height	1652 Cft	%Cft	14,240.79	235,257.85
		Total Amount Carried to Summary				**1,763,484.86**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	11798 Sft	P.Sft	10.70	1,262.39
5.2	Chapter # 8 Item # 16 (d)/ P-42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	11798 Sft	%Sft	4,411.82	520,506.52
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	11798 Sft	%Sft	1,887.40	222,675.45
		Total Amount Carried to Summary				**744,444.36**
6		**METAL WORK**				
		GI Door Frame				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	2,745.00	per Rft	240.50	660,172.50
		Paint on Metal surface				
6.2	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work,				
		i) Priming Coat	2745 Sft	%Sft	521.95	14,327.53
		ii) Each subsequent coat (3 Coats)	8235 Sft	%Sft	1,123.32	92,505.40
6.3	Chapter -17 Item # 26/ P-93 / Vol.III,Part II,	Supplying & fixing in position Iron/Steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc, complete (weight not to be less than 3.7 ils/Sq. Foot of installed grill.)	1260 Sft	P.Sft	180.50	2,274.30
		Total Amount Carried to Summary				**769,279.73**

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6.00	7=4x6
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	3,653.00	P.Sft	902.93	3,298,403.29
7.2	Chapter -10 Item # 14(b)/ P-59/	First Class Deodar wood wrought joinery work in wire gauze door and windows with 22 swg galvanized wire gauze 144 mesh per square inch iron fittings complete (b) 1-1/2" thick deodar wood framing including wire with ordinary hinges.	2,370.00	P.Sft	562.98	1,334,262.60
7.3	Chapter -10 Item # 24/ P-61/	Providing & fixing deodar wooden wordrob including boxing with back shelves, shutters, drawers and brass fittings such as handles, loking arrangement, hanger rod and mirror measuring 2' x 1'	3,982.00	P.Sft	2,364.63	9,415,956.66
7.4	Chapter -11 Item # 7 (a)/ P-71/ Vol.III,Part II,	French polishing complete (03 Coats).	6550 Sft	%Sft	11,525.25	754,903.88
		Total Amount Carried to Summary				**14,803,526.43**
8		**FLOOR FINISHES** **P.C.C FLOOR**				
8.1	Chapter # 8 'Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	1637 Sft	%Sft	4,391.50	71,888.86
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		Up to 12'-0" height	9240 Sft	%Sft	27,678.86	2,557,526.66
		From12'-0" to 22'-0" height	8,402.00	%Sft	27,678.86	2,325,577.82
		Total Amount Carried to Summary				**4,954,993.34**
9		**WALL FINISHES** **INTERNAL PLASTER**				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	20227 Sft	%Sft	2,283.93	461,970.52
	Item # 11b + 29	b) 1/2" thick from12'-0" to 22'-0" height	5412 Sft	%Sft	2,424.90	131,235.59
	Item # 11b + 29+29	b) 1/2" thick from 22'-0" to 32'-0" height	18,042.00	%Sft	2,565.87	462,934.27
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc, complete (new	43681 Sft	%Sft	3,444.36	1,504,530.89

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6.00	7=4x6
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .	2808 Sft	%Sft	27,678.86	777,222.39
		Total Amount Carried to Summary				**3,337,893.66**
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	9240 Sft	%Sft	2,206.60	203,885.70
	Item # 13b + 29	b) 1/2" thick (1:6) from12'-0" to 22'-0" height	2,272.88	%Sft	2,347.57	53,357.33
	Item # 13b + 29+29	b) 1/2" thick (1:6) from 22'-0" to 32'-0" height	7,576.25	%Sft	2,488.54	188,538.01
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	19089 Sft	%Sft	442.75	84,516.27
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	19089 Sft	%Sft	1,079.65	206,093.71
		Total Amount Carried to Summary				**736,391.02**
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	10169 Sft	%Sft	3,015.75	306,671.62
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	10672 Sft	%Sft	3,156.72	336,885.16
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	7980 Sft	%Sft	3,297.69	263,155.66
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	4030 Rft	Rft	7.71	31,071.30
11.3	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	**Rough Cast Plaster** Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	10169 Sft	%Sft	2,306.10	234,507.31
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	10672 Sft	%Sft	2,447.07	261,151.31
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	7980 Sft	%Sft	2,588.04	206,525.59

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1	2	3	4	5	6.00	7=4x6
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	20841 Sft	%Sft	2,567.95	535,186.46
		c) From 20'-0" to 30'-0" height	7980 Sft	%Sft	2,796.04	223,123.99
11.5	Chapter 9 Item # 44 / P-56 / Vol. III,Part-II,(General)	Preparing & fixing colour crete to wall surface to provide, durable crust and aesthetics having thickness up to 3/4" with specified colour having water, fir and termite resistance (up to 20'-0" height).	5,596.00	%Sft	6,319.50	353,639.22
		Total Amount Carried to Summary				**2,751,917.62**
12		**EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)**				
12.1	Chapter # 8 'Item # 73/ P-50/Vol. III,Part-II, (General)	**P.C.C PAVERS** Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***natural colour*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any	740 Sft	Sft	223.97	165,737.80
12.2	Chapter # 8 'Item # 74/ P-50/Vol. III,Part-II, (General)	Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***pigmented*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any floor)	185 Sft	Sft	248.17	45,911.45
		Total Amount Carried to Summary				**211,649.25**
		PART-A (SCHEDULE ITEMS)				
6		**METAL WORK**				
6.1		**SS Railing** Providing, fabricating, welding & fixing in position **Stainless Steel 304 grade Staircase railing** comprising of 2" dia hand rail, 1-1/2" dia baluster in alternate steps with 1/2" dia solid bar, mid rail with 1/2" dia (4-Nos) including all required accessories (base plate, cap, nuts & bolts etc.) at any floor & any hight, complete in all respects as per drawing, standard, specifications and direction of the Engineer.	100 Rft	Rft	h500	h50000
		Total Amount Carried to Summary				h50000
8		**FLOOR FINISHES**				
8.1		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length, width & thicknes are mentioned below)*** for staie case of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the files with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		a) For tread (One piece length not less than 72 inches, width not less than 12 inches & thickness not less than 1" inch (25mm) thick)	312 Sft	Sft	700/-	218400/-
		b) For riser (One piece length not less than 36 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	174 Sft	Sft	500/-	87000/-
		Total Amount Carried to Summary				305401

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1	2	3	4	5	6.00	7=4x6
12		**EXTERNAL FINISHES** **(OTHER THAN BUILDING NON COVERED AREA)**				
12.1		Providing and laying **Pre-Polished Marble Tiles 12" x 12" x 3/4" thick** for entrance & exit steps of approved make, colors & size with patterns including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.	2265 Sft	Sft	650/-	1472250/-
12.1		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thicknes not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		Trade for Entrance Steps	512 Sft	Sft	600/-	307200/-
		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	293 Sft	Sft	500/-	146500/-
12.2		Supply & fixing of UPVC openable windows with 60mm profile width 3mm external wall thickness 5mm glass, EPDM gaskets complete in all respects.	500	Sft	2800/-	1400000/-
						3325950

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	723,045
2	SUB STRUCTURE	12,423,647
3	SUPER STRUCTURE	11,131,078
4	MASONRY WORKS	1,360,495
5	THERMAL & MOISTURE PROTECTION	1,160,348
6	MATEL WORKS	80,984
7	DOORS AND WINDOWS	10,132,932
8	FLOOR FINISHES	5,177,073
9	WALL FINISHES	1,977,687
10	CEILING FINISHES	226,241
11	EXTERNAL FINISHES (BUILDING)	1,601,401
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	**45,994,931**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	
2	SUB STRUCTURE	1259750/-
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	450,000
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	5052300
	TOTAL OF NON-SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	18099800/-

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	49378 Cft	%0 Cft	8,152.50	402,554.15
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	10229 Cft	%0 Cft	8,702.50	89,017.87
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	48834 Cft	%0 Cft	4,740.00	231,473.16
		Total Amount Carried to Civil Summary				**723,045**
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge	25279 Cft	% Cft	9,416.28	2,380,341.42
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	1313 Cft	% Cft	12,595.00	165,372.35
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	4854 Sft	% Sft	3,127.41	151,804.48

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUB-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	15473 Cft	Per Cft	337.00	5,214,401.00
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	**STEEL REINFORCEMENT (SUB-STRUCTURE)** Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	832 Cwt	Per Cwt	5,001.70	4,161,414.40
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	**BITUMEN COATING** Bitumen coating to plastered or cement concrete surface.	22917 Sft	% Sft	778.09	178,314.89
2.7	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	**TERMITE TREATMENT** Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. ***(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)***	17659 Sft	P.Sft	9.74	171,998.66
		Total Amount of Schedule Items Carried to Civil Summary				**12,423,647**
3		**SUPER-STRUCTURE**				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUPER-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)□	From 0.00 to 20' Height	15636 Cft	Per Cft	337.00	5,269,332.00
	Item # 6 (ai)+d□	From 20' to 40' Height	542 Cft	Per Cft	349.10	189,212.20

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	251 Cwt	Per Cwt	5,001.70	1,255,426.70
	Item # 8 (b)+29	From 12 to 24' Height	851 Cwt	Per Cwt	5,152.95	4,385,160.45
		PVC WATER STOPPER BAR				
3.3	Chapter-1/ Vol-III,Part-III, (PHEW) Item # B-1 / P-56	Providing expansion joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc.complete.	69 Rft	Rft	463.00	31,947.00
		Total Amount of Schedule Items Carried to Civil Summary				**11,131,078**
		PART-B (SCHEDULE ITEMS)				
3		**SUPER-STRUCTURE**				
3.1		**RCC PRECAST PRESTRESS DOUBLE TEE PLANK** Designing, Providing, fabricating, lifting and installing in position Pre-cast pre-stressed double tee plank span upto 22.554m or 74 ft., having openings of required sizes (if any) including all types of material, labor, cartage expenses from place of fabrication to installation in position and installation up to required height and level, including all types of reinforcement & neoprene/rubber pad as per approved design by the Engineer. The responsibility of contractor shall submit coordinated and checked shop drawings, and design (without any additional cost) for engineer approval prior to the start of the worked etc.complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. ***(For measurement and payments, slab areas of individual double tees will be taken)***	10078 Sft	Sft	1250/-	1259500
		Total Amount of Schedule Items Carried to Civil Summary				~~8,814,350~~.00

1259500/-

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	1041 Sft	%Sft	3,912.85	40,732.77
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	6286 Cft	%Cft	13,227.41	831,474.99
		ii) From 12'-0" to 22'-0" height	3573 Cft	%Cft	13,666.04	488,287.61
		Total Amount Carried to Summary				**1,360,495.37**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	15746 Sft	Per Sft	10.70	168,480.86
5.2	Chapter # 8 Item # 16 (d)/ P-42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	15746 Sft	%Sft	4,411.82	694,679.66
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	15746 Sft	%Sft	1,887.40	297,187.64
		Total Amount Carried to Summary				**1,160,348.16**
6		**METAL WORK**				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	**GI Door Frame** Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	322 Rft	per Rft	240.50	77,369.81
6.2	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	**Paint on Metal surface** Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work,				
		ii) Each subsequent coat (3 Coats)	322 Sft	%Sft	1,123.32	3,613.77
		Total Amount Carried to Summary				**80,983.58**

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	712 Sft	P.Sft	903	642,886.16
7.2		**Windows with Frame** b) 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed.	7450 Sft	P.Sft	1,274	9,490,045.45
		Total Amount Carried to Summary				**10,132,931.61**
8		**FLOOR FINISHES**				
		P.C.C FLOOR				
8.1	Chapter # 8 'Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	15589 Sft	%Sft	4,391.50	684,574.47
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete . i) In ground floor up to 12'-0" height	16231 Sft	%Sft	27,678.86	4,492,498.33
		Total Amount Carried to Summary				**5,177,072.80**
9		**WALL FINISHES**				
		INTERNAL PLASTER				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height b) 1/2" thick up to 12'-0" height	18412 Sft	%Sft	2,283.93	420,525.23
	Item # 11b + 29	b) 1/2" thick from12'-0" to 22'-0" height	6886 Sft	%Sft	2,424.90	166,968.91
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc, complete (new surface)	25298 Sft	%Sft	3,444.36	871,352.54
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .	1875 Sft	%Sft	27,678.86	518,840.23
		Total Amount Carried to Summary				**1,977,686.91**
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height b) 1/2" thick (1:6) up to 12'-0" height	863 Sft	%Sft	2,206.60	19,042.96
	Item # 13b + 29	b) 1/2" thick (1:6) from12'-0" to 22'-0" height	5354 Sft	%Sft	2,347.57	125,688.90

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	5354 Sft	%Sft	442.75	23,704.84
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	5354 Sft	%Sft	1,079.65	57,804.46
		Total Amount Carried to Summary				**226,241.16**
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	3753 Sft	%Sft	3,015.75	113,178.59
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	11907 Sft	%Sft	3,156.72	375,870.65
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	4592 Rft	Rft	7.71	35,404.32
		Rough Cast Plaster				
11.3	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	3753 Sft	%Sft	2,306.10	86,546.01
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	11907 Sft	%Sft	2,447.07	291,372.62
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	15660 Sft	%Sft	2,567.95	402,138.83
11.5	Chapter 9 Item # 44 / P-56 / Vol. III,Part-II,(General)	Preparing & fixing colour crete to wall surface to provide, durable crust and aesthetics having thickness up to 3/4" with specified colour having water, fir and termite resistance (up to 20'-0" height).				
		up to 20'-0" height	4698 Sft	%Sft	6,319.50	296,890.11
		Total Amount Carried to Summary				**1,601,401.13**

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-B (SCHEDULE ITEMS)				
6		**METAL WORK**				
6.1		**SS Railing** Providing, fabricating, welding & fixing in position **Stainless Steel 304 grade Staircase railing** comprising of 2" dia hand rail, 1-1/2" dia baluster in alternate steps with 1/2" dia solid bar, mid rail with 1/2" dia (4-Nos) including all required accessories (base plate, cap, nuts & bolts etc.) at any floor & any hight, complete in all respects as per drawing, standard, specifications and direction of the Engineer.	100 Rft	Rft	4500/-	450000
		Total Amount Carried to Summary				450000
12		**EXTERNAL FINISHES** **(OTHER THAN BUILDING NON COVERED AREA)** Providing and laying Pre-Polished Marble Tiles 12" x 12" x 3/4" thick for entrance & exit steps of approved make, colors & size with patterns including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.	5972 Sft	Sft	650/-	3881800
12.1		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thicknes not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer. Trade for Entrance Steps	675 Sft	Sft	600/-	405000/-
12.2		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	411 Sft	Sft	500/-	205,500/-
12.3		Supply & fixing of UPVC openable windows with 60 mm profile width 3mm external wall thickness 5mm glass, EPDM gaskets complete in all respects.	200	Rft	2800/-	560,000/-
						5092300/-

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	352,130
2	SUB STRUCTURE	6,315,363
3	SUPER STRUCTURE	5,494,710
4	MASONRY WORKS	1,068,660
5	THERMAL & MOISTURE PROTECTION	428,373
6	MATEL WORKS	248,657
7	DOORS AND WINDOWS	2,280,368
8	FLOOR FINISHES	1,510,023
9	WALL FINISHES	1,457,257
10	CEILING FINISHES	195,810
11	EXTERNAL FINISHES (BUILDING)	926,010
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	237,962
	TOTAL OF SCHEDULE ITEMSCARRIED TO GRAND SUMMARY	**20,515,322**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	
2	SUB STRUCTURE	
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	1083450/-
	TOTAL OF NON-SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	1083450/-

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PROPRIETOR

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	26065 Cft	%0 Cft	8,152.50	212,494.91
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	5476 Cft	%0 Cft	8,702.50	47,654.89
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	19405 Cft	%0 Cft	4,740.00	91,979.70
		Total Amount Carried to Civil Summary				**352,130**
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge	11567 Cft	% Cft	9,416.28	1,089,181.11
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	1010 Cft	% Cft	12,595.00	127,209.50
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	3544 Sft	% Sft	3,127.41	110,835.41

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUB-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	7559 Cft	Per Cft	337.00	2,547,383.00
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	**STEEL REINFORCEMENT (SUB-STRUCTURE)** Fabricating of Tor steel reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	447 Cwt	Per Cwt	5,001.70	2,235,759.90
2.5	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	**BITUMEN COATING** Bitumen coating to plastered or cement concrete surface.	16503 Sft	% Sft	778.09	128,408.19
2.6	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	**TERMITE TREATMENT** Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. **(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)**	7863 Sft	P.Sft	9.74	76,585.62
		Total Amount of Schedule Items Carried to Civil Summary				**6,315,363**
3		**SUPER-STRUCTURE**				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUPER-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)□	From 0.00 to 20' Height	7408 Cft	Per Cft	337.00	2,496,496.00
	Item # 6 (ai)+d□	From 20' to 40' Height	266 Cft	Per Cft	349.10	92,860.60

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
32	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	**STEEL REINFORCEMENT (SUPER-STRUCTURE)** Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	553 Cwt	Per Cwt	5,001.70	2,765,940.10
	Item # 8 (b)+29	From 12 to 24' Height	24 Cwt	Per Cwt	5,152.95	123,670.80
33	Chapter-17/ Vol-III,Part-III, (PHEW) . Item # B-1 / P-56	**PVC WATER STOPPER BAR** Providing expansion joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc.complete.	34 Rft	Rft	463.00	15,742.00
		Total Amount of Schedule Items Carried to Civil Summary				**5,494,710**

M/S [illegible] Ahmed Shah
[illegible] Contractor

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	812 Sft	%Sft	3,912.85	31,772.34
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	6813Cft	%Cft	13,227.41	901,183.44
		ii) From 12'-0" to 22'-0" height	993Cft	%Cft	13,666.04	135,703.78
		Total Amount Carried to Summary				**1,068,659.56**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	5813 Sft	Per Sft	10.70	62,199.10
5.2	Chapter # 8 Item # 16 (d)/ P-42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	5813 Sft	%Sft	4,411.82	256,459.10
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	5813 Sft	%Sft	1,887.40	109,714.56
		Total Amount Carried to Summary				**428,372.76**
6		**METAL WORK**				
		GI Door Frame				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	1003 Rft	per Rft	240.50	241,221.50
6.2	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Fabricating of heavy steer work with angles, flat iron, round iron, and sheet iron for making trusses, girders, tands etc, including cutting, tanks etc, including cutting, drilling, riveting, handling assembling and fixing but excluding cost of erection in position.	1 Cwt	Per Cwt	4,928.40	4,928.40
6.3	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Erecation and fitting in position of iron trusses staging of water tanks etc.	1 Cwt	Per Cwt	271.04	271.04

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
6.4	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	**Paint on Metal surface** Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work,				
		i) Priming Coat	57 Sft	%Sft	521.95	299.86
		ii) Each subsequent coat (3 Coats)	172 Sft	%Sft	1,123.32	1,936.04
		Total Amount Carried to Summary				**248,656.84**
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar paneled or paneled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	1472 Sft	P.Sft	903	1,329,112.96
7.2		**Windows with Frame** 1-3/4" thick Deodar paneled or paneled and glazed or fully glazed. b) **Note: Excluding the window frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	803 Sft	P.Sft	903	725,052.79
	Chapter -11 Item # 7 (a)/ P-71/ Vol.III,Part II,	French polishing complete (02 Coats).	2944 Sft	%Sft	7,683.50	226,202.24
		Total Amount Carried to Summary				**2,280,367.99**
8		**FLOOR FINISHES** **P.C.C FLOOR**				
8.1	Chapter # 8 'Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	1289 Sft	%Sft	4,391.50	56,606.44
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	5251 Sft	%Sft	27,678.86	1,453,416.94
		Total Amount Carried to Summary				**1,510,023.38**
9		**WALL FINISHES** **INTERNAL PLASTER**				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	17206 Sft	%Sft	2,283.93	392,973.00
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc, complete (new surface)	17206 Sft	%Sft	3,444.36	592,636.58

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	1704 Sft	%Sft	27,678.86	471,647.77
		Total Amount Carried to Summary				**1,457,257.35**
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	5251 Sft	%Sft	2,206.60	115,868.57
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	5251 Sft	%Sft	442.75	23,248.80
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	5251 Sft	%Sft	1,079.65	56,692.42
		Total Amount Carried to Summary				**195,809.79**
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	4895 Sft	%Sft	3,015.75	147,620.96
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	4136 Sft	%Sft	3,156.72	130,561.94
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer in charge.	3964 Rft	Rft	7.71	30,562.44
		Rough Cast Plaster				
11.3	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	4895 Sft	%Sft	2,306.10	112,883.60
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	4136 Sft	%Sft	2,447.07	101,210.82
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of Paris and then painting with weather coat(3 coats) of approved make.				
		c) Up to 20'-0" height	9031 Sft	%Sft	2,567.95	231,911.56

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
11.5	Chapter 9 Item # 44 / P-56 / Vol. III,Part-II,(General)	Preparing & fixing colour crete to wall surface to provide, durable crust and aesthetics having thickness up to 3/4" with specified colour having water, fir and termite resistance (up to 20'-0" height).				
		up to 20'-0" height	2710 Sft	%Sft	6,319.50	171,258.45
		Total Amount Carried to Summary				**926,009.77**
12		**EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)**				
12.1	Chapter # 8 'Item # 73/ P-50/Vol. III,Part-II, (General)	**P.C.C PAVERS** Providing and fixing cement paving blocks flooring having size of 197x97x80 (mm) of City/Qu/Cobble shape with ***natural color*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at	832 Sft	P.Sft	223.97	186,343.04
12.2	Chapter # 8 'Item # 74/ P-50/Vol. III,Part-II, (General)	Providing and fixing cement paving blocks flooring having size of 197x97x80 (mm) of City/Qu/Cobble shape with ***pigmented*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any floor)	208 Sft	P.Sft	248.17	51,619.36
		Total Amount Carried to Summary				**237,962.40**
		PART-A (SCHEDULE ITEMS)				
12		**EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)**				
12.1		Providing and laying **Pre-Polished Marble Tiles 12" x 12" x 3/4" thick** for entrance & exit steps of approved make, colors & size with patterns including setting the tiles with dry bond slurry, grouting with matching color approved grouting material in jointing, curing, cutting, chamfering edging etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.	659 Sft	Sft	650/-	428350/-
12.2		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thickness not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching color approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		Trade for Entrance Steps	441 Sft	Sft	600/-	464600/
		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	221 Sft	Sft	500/-	110500/
12.3		Supply fixing of UPVC openable windows with 60mm profile width 3mm external wall thickness 5mm glass EPDM gaskets complete in	100	PSft	2500/-	
		Total Amount Carried to Summary				1085450/-

Shah
Contractor

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	351,716.00
2	SUB STRUCTURE	6,527,123.37
3	SUPER STRUCTURE	5,148,086.40
4	MASONRY WORKS	1,044,547.30
5	THERMAL & MOISTURE PROTECTION	408,770.64
6	MATEL WORKS	342,472.00
7	DOORS AND WINDOWS	1,978,032.04
8	FLOOR FINISHES	1,343,060.51
9	WALL FINISHES	3,584,770.40
10	CEILING FINISHES	176,605.44
11	EXTERNAL FINISHES (BUILDING)	1,104,750.69
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	211,649.25
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	**22,221,584.04**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	
2	SUB STRUCTURE	
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	882707
	TOTAL OF NON-SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	882707

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	26456 Cft	%0 Cft	8,152.50	215,682.54
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	5292 Cft	%0 Cft	8,702.50	46,053.63
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	18983 Cft	%0 Cft	4,740.00	89,979.42
		Total Amount Carried to Civil Summary				**351,716**
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge	11381 Cft	% Cft	9,416.28	1,071,666.83
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	931 Cft	% Cft	12,595.00	117,259.45
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	4694 Sft	% Sft	3,127.41	146,800.63

M/S Nasir ... Ahmed Mal...
Government Contractor

PROPRIETOR

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUB-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	7633 Cft	Per Cft	337.00	2,572,321.00
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	**STEEL REINFORCEMENT (SUB-STRUCTURE)** Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	483 Cwt	Per Cwt	5,001.70	2,415,821.10
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	**BITUMEN COATING** Bitumen coating to plastered or cement concrete surface.	16844 Sft	% Sft	778.09	131,061.48
2.7	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	**TERMITE TREATMENT** Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. ***(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)***	7412 Sft	P.Sft	9.74	72,192.88
		Total Amount of Schedule Items Carried to Civil Summary				**6,527,123**
3		**SUPER-STRUCTURE**				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	**RCC CONCRETE (SUPER-STRUCTURE)** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)□	From 0.00 to 20' Height	7009 Cft	Per Cft	337.00	2,362,033.00
	Item # 6 (ai)+d□	From 20' to 40' Height	249 Cft	Per Cft	349.10	86,925.90

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	**STEEL REINFORCEMENT (SUPER-STRUCTURE)** Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	507 Cwt	Per Cwt	5,001.70	2,535,861.90
	Item # 8 (b)+29	From 12 to 24' Height	28 Cwt	Per Cwt	5,152.95	144,282.60
3.3	Chapter-1/ Vol-III,Part-III, (PHEW) Item # B-1 / P-56	**PVC WATER STOPPER BAR** Providing expansion joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc.complete.	41 Rft	Rft	463.00	18,983.00
		Total Amount of Schedule Items Carried to Civil Summary				**5,148,086**

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	773 Sft	%Sft	3,912.85	30,246.33
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	6323Cft	%Cft	13,227.41	836,369.13
		ii) From 12'-0" to 22'-0" height	1302Cft	%Cft	13,666.04	177,931.84
		Total Amount Carried to Summary				**1,044,547.30**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	5547 Sft	Per Sft	10.70	59,352.90
5.2	Chapter # 8 Item # 16 (d)/ P-42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	5547 Sft	%Sft	4,411.82	244,723.66
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	5547 Sft	%Sft	1,887.40	104,694.08
		Total Amount Carried to Summary				**408,770.64**
6		**METAL WORK**				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	**GI Door Frame** Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	1424 Rft	per Rft	240.50	342,472.00
		Total Amount Carried to Summary				**342,472.00**
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1, and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	802 Sft	P.Sft	903	724,149.86

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
7.2		**Windows with Frame** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**				
	Chapter -11 Item # 7 (a)/ P-71/ Vol.III,Part II,	French polishing complete (02 Coats).	1070 Sft	P.Sft	903	966,135.10
			3745 Sft	%Sft	7,683.50	287,747.08
		Total Amount Carried to Summary				**1,978,032.04**
8		**FLOOR FINISHES**				
		P.C.C FLOOR				
8.1	Chapter # 8 'Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	733 Sft	%Sft	4,391.50	32,189.70
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	4736 Sft	%Sft	27,678.86	1,310,870.81
		Total Amount Carried to Summary				**1,343,060.51**
9		**WALL FINISHES**				
		INTERNAL PLASTER				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	45992 Sft	%Sft	2,283.93	1,050,425.09
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new	45992 Sft	%Sft	3,444.36	1,584,130.05
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	3433 Sft	%Sft	27,678.86	950,215.26
		Total Amount Carried to Summary				**3,584,770.40**
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	4736 Sft	%Sft	2,206.60	104,504.58
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	4736 Sft	%Sft	442.75	20,968.64

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	4736 Sft	%Sft	1,079.65	51,132.22
		Total Amount Carried to Summary				**176,605.44**
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	6478 Sft	%Sft	3,015.75	195,360.29
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	4368 Sft	%Sft	3,156.72	137,885.53
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	4030 Rft	Rft	7.71	31,071.30
		Rough Cast Plaster				
11.3	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	6478 Sft	%Sft	2,306.10	149,389.16
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	4368 Sft	%Sft	2,447.07	106,888.02
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	10846 Sft	%Sft	2,567.95	278,519.86
11.5	Chapter 9 Item # 44 / P-56 / Vol. III,Part-II,(General)	Preparing & fixing colour crete to wall surface to provide, durable crust and aesthetics having thickness up to 3/4" with specified colour having water, fir and termite resistance (up to 20'-0" height).				
		up to 20'-0" height	3254 Sft	%Sft	6,319.50	205,636.53
		Total Amount Carried to Summary				**1,104,750.69**
12		**EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)**				
12.1	Chapter # 8 'Item # 73/ P-50/Vol. III,Part-II, (General)	**P.C.C PAVERS** Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***natural colour*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at	740.00	P.Sft	223.97	165,737.80

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6	7=4x6
12.2	Chapter # 8 'Item # 74/ P-50/Vol. III,Part-II, (General)	Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***pigmented*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any floor)	185.00	P.Sft	248.17	45,911.45
		Total Amount Carried to Summary				**211,649.25**
		PART-A (SCHEDULE ITEMS)				
12		**EXTERNAL FINISHES**				
		(OTHER THAN BUILDING NON COVERED AREA)				
12.1		Providing and laying **Pre-Polished Marble Tiles 12" x 12" x 3/4" thick** for entrance & exit steps of approved make, colors & size with patterns including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.	602.00	Sft	650/-	391,300/-
12.2		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thicknes not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		Trade for Entrance Steps	234.00	Sft	600/-	140400/-
		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	142.00	Sft	500/-	71000/-
12.3		Supply, fixing uPVC openable windows with 60mm profile width, 3mm external wall thickness, 5mm glass EPDM gaskets complete in all respects.	1no	Rsft	2800/-	289000/-
		Total Amount Carried to Summary				882700/-

S.No	DESCRIPTION	QTY	Unit	Rate	Amount
1	2	3	4	5	6=3x4
	(NON-SCHEDULE ITEMS)				
1	**DRILLING OF BOREHOLES**				
1.1	Drilling & boring of (02 Nos) boreholes by rotary wash boring method up to 60 feet (18meter) depth including performance of SPTs at regular interval, collection of soil and water samples and transportation to lab, and mobilization & demobilization of equipment & personnel by our own transport etc. Complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	125	Rft	1200/-	150000/-
1.2	**LABORATORY TESTING** Providing & submission of all relevant laboratory tests (For both holes seperately) including GSA, Atterberg Limits, Direct Shear Tests, Unconfined Compression Tests and chemical Tests with all reports. The contractor shall submit (3 nos. hard copy and 1 soft copy in CD) (without any additional cost) for engineer approval prior to the start of the work .etc. Complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	1	L.S	15000/-	15000/-
1.3	**GEOTECHNICAL INVESTIGATION REPORT** Providing & submission of Comprehensive Geotechnical investigation Report including recommendation for foundation design. The contractor shall submit (3 nos. hard copy and 1 soft copy in CD) (without any additional cost) for engineer approval prior to the start of the worketc.complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	1	L.S	18000/-	18000/-
	Total Amount of Non- Schedule Items Carried to Civil Summary				183000/-

STATEMENT FOR DIFFERENCE OF MATERIALS
(Only for Cement, Steel & Deodar wood with respect to CSR-20112 - 2018)

Annexure "A"

Sr, No.	Items of Work	Quantity	Unit	Cement		Wood		Steel	
				%age	Qty	%age	Qty	%age	Qty
1	R.C.C Concrete 1:4:8	153983.00	Cft.	9.48	14597.59				
2	R.C.C Concrete 1:3:6	7508.00	Cft.	12.32	924.99				
3	R.C.C Concrete 1:2:4	210268.72	Cft.	17.6	37007.29				
4	Cement Mortar 1:4	12690.00	Cft.	20.00	2538.00				
5	Cement Plaster 1/2" thick (1:4)	10203.04	Cft.	20.00	2040.61				
6	Cement Plaster 3/4" thick (1:4)	12747.78	Cft.	20.00	2549.56				
7	Cement Plaster 1/2" thick (1:6)	2938.86	Cft.	14.29	419.84				
8	Cement Mortar 1:2 for tile fixing	5173.44	Cft.	33.33	1724.48				
9	Cement Mortar 1:6 for G.I door frame fixing	1083.02	Cft.	14.29	154.72				
10	Steel Reinforcement	623.60	Ton.						623.6
11	Deodar Wood	5925.36	Cft.				5925.36		
	Total			**Bag**	**61957.07**	**Cft.**	**5925.36**	**Ton**	**623.60**
	Rate			Bag	180	Cft.	500.00	Ton	24,000.00
	Amount			-	**11,152,272**		**2,962,680**	-	**14,966,400**
	Amount Carried to Grand Summary			**29,081,352**					

EA CONSULTING (PRIVATE) LIMITED

PLUMBING WORK



S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	735,431
	20% SUB-TOTAL-A Rs.	735,431
	Add % Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	147,086/-
	TOTAL-A Rs.	882,517/-
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	598000
2	Cold and Hot Water Supply Piping	677100
3	Isolation Valves & Non Return Valves	165,515
4	Plumbing Specialties	3525
5	Packaged Pump Sets	—
6	Water Tank Connection	70000/-
7	Water Cooler, Water Filter & Storage Water Heater	88500/-
8	Soil, Wasfe and Vent Pipes	890,500/-
9	Drainage Specialties	874708/-
10	Manholes and Gully traps	80000/-
11	External Connection	20000/-
12	Gas Works	113,365/-
13	Fire Extinguishers	14000/-
	SUB-TOTAL-B Rs.	3084297/-
	GRAND TOTAL AMOUNT (A+B)	3966937/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	4	Nos	6,503.20	26,013
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and I/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	23	Nos	11,477.40	263,980
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	35	Nos	5,658.40	198,044
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	35	Nos	2,686.54	94,029
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				

Continued..

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	0	Nos	5,782.70	-
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	0	Nos	6,442.70	-
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	15	Nos	1,591.70	23,876
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	27	Nos	1,071.40	28,928
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	35	Nos	2,376.00	83,160
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	35	Nos	497.20	17,402
		AMOUNT CARRIED TO SUMMARY				735,431

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING FIXTURES:**				
		Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	27	Nos	3000/-	81000/-
ii		WC Cleaning Brush	12	Nos	600/-	7200/-
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	35	Nos	5000/-	175000/-
iv		Supply, Installation of Imported Shower head with shower mixer having maximum flow of 9.5 lpm, as specified by architect in Fixture schedule, per drawings, specifications and Engineers Approval.	27	Nos	10000/-	270,000/-
		AMOUNT CARRIED TO SUMMARY				598800/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	1250	Rft	110/-	137500/-
ii		1" dia	700	Rft	160/-	112000/-
iii		1 1/4" dia	120	Rft	240/-	28800/-
iv		1 1/2" dia	120	Rft	380/-	45600/-
v		2" dia	440	Rft	580	255200/-
vi		2 1/2" dia	100	Rft	980/-	98000/-
vii		3" dia	0	Rft	-	-
viii		4" dia	0	Rft		
		AMOUNT CARRIED TO SUMMARY				677100/-

Engineer Contractor

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves** Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	30	Nos	1850/-	55500/-
ii		1" dia	6	Nos	2200/-	13200/-
iii		1 1/4" dia	2	Nos	2870/-	8740/-
iv		1 1/2" dia	3	Nos	5225/-	15675/-
v		2" dia	8	Nos	8200/-	65600/-
vi		2 1/2" dia	1	Nos	9800/-	9800/-
vii		3" dia	0	Nos		
viii		4" dia		Nos		
						165,515
4		**Non Return Valves** Providing and fixing of PN-20 non return Valve of Bronze Material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per type indicated in specifications and as per Engineers approval.				
i		1 1/2" dia	0	Nos	-	-
ii		2" dia	0	Nos	-	-
iii		3" dia	0	Nos	-	-
						-
		AMOUNT CARRIED TO SUMMARY				165515/-

M/S Nazeer Hussain Sons
Government Contractors
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	3	Nos.	1175/-	3525/-
ii		1" Air Relief Valve	0	Nos.		
iii		2" dia foot valve	0	Nos.		
iv		2" Y-type Strainer	0	Nos.		
v		2" Flexible Connection	0	Nos.		
		AMOUNT CARRIED TO SUMMARY				3525/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (2 Duty), Flow = 75 GPM @ 70 ft head	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Water Tank**				
a		Connection for water tank including with valves, supports, excavation and Backfill, complete all in accordance with the drawing and specifications.				
i		2" Connection to RCC water tanks	0	No.	—	—
ii		2" Connection to overhead water tanks using Float Switch	2	No.	15000/-	30000/-
iii		Cast Iron Medium Duty Cover For RCC water tanks	2	No.	20000/-	40000/-
		AMOUNT CARRIED TO SUMMARY				70000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**Water Cooler**				
a		Supply and installation of Stainless Steel Electric water cooler of below mentioned capacity with two taps, R-22 Refrigeration system, S.Steel Tank safety tested at 10kg/cm2 (142 p.s.i.) with recommended maximum working pressure of 3kg/cm2 (42 p.s.i.) including all accessories like Valves, interconnecting piping, Drain tray and drain connection s as indicated in the drawings, as per specifications and engineers approval.				
		WC-01 to 04 (65 GPH)	4	No.	95000/-	380,000/-
		Water Filter				
b		Supply and installation of 3 stage UV Water filter having minimum flow rate of 0.5 gpm including valves, piping, accessories, etc., as indicated on the drawing, as per specifications and Engineers approval.	4	No.	50000/-	200,000/-
c		**Storage Water Heaters** Supply and installation of Storage type Electric water heater heater of below mentioned capacity including, 2 no's bass ball valves for piping, Relief valve, Drain, accessories, etc., complete all in accordance with the drawing and specifications.				
		50 Liters Capacity	3	No.	35000/-	105000/-
d		**Hot Water Geyser**				
		Providing and fixing of gas Fired hot water Geyser of below mentioned capacity with all accessories, Thermostat, Drain Tank, inlet and outlet valves, Air Vent, Pressure relief valve, Air relief valves as indicated in the drawings, as per specifications and engineers approval				
		GS-01 to 04 (Capacity 35 Gallon)	4	No.	50000	200000
		AMOUNT CARRIED TO SUMMARY				885000/-

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PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Soil, Waste,RW and Vent Pipes**				
		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		2" dia	230	Rft	180/-	41400/-
ii		3" dia	730	Rft	250/-	182500/-
iii		4" dia	690	Rft	360/-	248400/-
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	620	Rft	675/-	418500/-
		AMOUNT CARRIED TO SUMMARY				890800/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval	70	Nos	3500/-	245000/-
c		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	0	Nos	-	-
d		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	6	Nos	950/-	5700/-
ii		3" dia	0	Nos		
e		Supply and installation of 8" wide, 6" High internal heavy duty Cast Iron Inlet Drain as specified and shown on the drawing, as per specifications and Engineers approval.	52	Rft	12000/-	624000/-
		AMOUNT CARRIED TO SUMMARY				874700

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
11		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	14	Nos.	40000/	560000/-
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	12	Nos.	20000/-	240000/-
		AMOUNT CARRIED TO SUMMARY				800,000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
12		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	20000/-	20000/-
		AMOUNT CARRIED TO SUMMARY				20000/

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
13		**Gas Works**				
a		**Gas Piping**				
		Supply, Installation, testing and Commissioning of G.I Medium Pipes (hot Dipped) with high quality fittings as per BS EN 10255, conforming to Local Gas Company standards including all fitting, valve, flanges, reducers, tees, sockets, bends, clamps, support, cutting and fillings complete with testing and as per drawings, specifications and requirements of local gas company.				
		1/2" dia	Rft	50	114	5700
		3/4" dia	Rft	220	144	31680
		1" dia	Rft	105	215	22575
b		**Gas Valves**				
		Supply, installation, testing and Commissioning of Isolation/Gate valves for Gas piping as indicated on the drawing, as per specifications and Engineers approval.				
		1/2" dia	Nos	5	970	4850/-
		3/4" dia	Nos	1	1350	1350/-
		1" dia	Nos	1	2150	2150/-
c		**Connections**				
		Making service connection with existing Gas Company mains with necessary approval and directions by the Local Gas Company.	Job	1	15000/-	15000/-
d		Installation and provision of Gas meter and Regulator to the Gas Service Lines as per specifications and requirements of Local Gas Company including taking approval and making all payments to the Gas Company in this regard.	Job	1	30000/-	30000/-
		AMOUNT CARRIED TO SUMMARY				119305/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
14		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	6	Nos	11500/-	69000/-
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	6	Nos	7500/-	45000/-
		AMOUNT CARRIED TO SUMMARY				114000/-

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	75,453
	SUB-TOTAL-A Rs.	**75,453**
	Add 20 % Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	15091/
	TOTAL-A Rs.	90544-0
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	50,000/-
2	Cold and Hot Water Supply Piping	185000/-
3	Isolation Valves & Non Return Valve	43170/-
4	Plumbing Specialties	2350
5	Packaged Pump Sets	-
6	Water Tank Connection	35000/-
7	Water Cooler, Water Filter & Storage Water Heater	435000/-
8	Soil, Waste and Vent Pipes	291000/-
9	Drainage Specialties	70008/-
10	Manholes and Gully traps	1180000/-
11	External Connection	20000/-
12	Gas Works	109845/-
13	Fire Extinguishers	76000 -
	SUB-TOTAL-B Rs.	2497715
	GRAND TOTAL AMOUNT (A+B)	2588259/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	0	Nos	6,503.20	-
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	0	Nos	11,477.40	-
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & l/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	2	Nos	5,658.40	11,317
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	2	Nos	2,686.54	5,373
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	5	Nos	5,782.70	28,914
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	3	Nos	6,442.70	19,328
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	3	Nos	1,591.70	4,775
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	0	Nos	1,071.40	-
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	2	Nos	2,376.00	4,752
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	2	Nos	497.20	994
		AMOUNT CARRIED TO SUMMARY				75,453

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING FIXTURES:** Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	0	Nos		
ii		WC Cleaning Brush	0	Nos		
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	10	Nos	5000/-	50000/-
		AMOUNT CARRIED TO SUMMARY				50000/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	80	Rft	110/	8800/-
ii		1" dia	90	Rft	160	14,400
iii		1 1/4" dia	80	Rft	240	19200
iv		1 1/2" dia	65	Rft	380	24700
v		2" dia	170	Rft	580	98600
vi		2 1/2" dia	20	Rft	980	19600/-
vii		3" dia	0	Rft		
viii		4" dia	0	Rft		
		AMOUNT CARRIED TO SUMMARY				185300

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S:No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves** Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	2	Nos	1850/	3700/
ii		1" dia	1	Nos	2200	2200/
iii		1 1/4" dia	1	Nos	2870	2870/
iv		1 1/2" dia	0	Nos	-	-
v		2" dia	3	Nos	8200/	24600/
vi		2 1/2" dia	1	Nos	9800/	9800/
vii		3" dia	0	Nos	-	-
viii		4" dia	0	Nos		
4		**Non Return Valves** Providing and fixing of PN-20 non return Valve of Bronze Material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per type indicated in specifications and as per Engineers approval.				
i		1 1/2" dia	0	Nos	-	-
ii		2" dia	0	Nos	-	-
iii		3" dia	0	Nos	-	-
		AMOUNT CARRIED TO SUMMARY				43170/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	2	Nos.	1175/-	2350/-
ii		1" Air Relief Valve	0	Nos.	—	—
iii		2" dia foot valve	0	Nos.	—	—
iv		2" Y-type Strainer	0	Nos.	—	—
v		2" Flexible Connection	0	Nos.	—	—
		AMOUNT CARRIED TO SUMMARY				2350/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (1 Duty), Flow = 50 GPM @ 52 ft head	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				—

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Water Tank**				
a		Connection for water tank including with valves, supports, excavation and Backfill, complete all in accordance with the drawing and specifications.				
i		2" Connection to RCC water tanks	0	No.		
ii		2" Connection to overhead water tanks using Float switch	1	No.	15000/-	15000/-
iii		Cast Iron Medium Duty Cover For RCC water tanks	1	No.	20000/-	20000/-
		AMOUNT CARRIED TO SUMMARY				35000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8a		**Water Cooler** Supply and installation of Stainless Steel Electric water cooler of capacity 65 GPH with two taps, R-22 Refrigeration system, S.Steel Tank safety tested at 10kg/cm2 (142 p.s.i.) with recommended maximum working pressure of 3kg/cm2 (42 p.s.i.) including all accessories like Valves, interconnecting piping, Drain tray and drain connection s as indicated in the drawings, as per specifications and engineers approval.	2	No.	95000/-	190000/
8b		**Water Filter** Supply and installation of 3 stage UV Water filter having minimum flow rate of 0.5 gpm including valves, piping, accessories, etc., as indicated on the drawing, as per specifications and Engineers approval.	4	No.	50000/-	200000/
8c		**Storage Water Heaters** Providing and fixing of gas Fired Instant hot water Geyser of below mentioned capacity with all accessories, Thermostat, Drain Tank, inlet and outlet valves, Air Vent, Pressure relief valve, Air relief valves as indicated in the drawings, as per specifications and engineers approval GS-01 (Capacity 55 Gallon)	1	No.	45000/-	45000/-
		AMOUNT CARRIED TO SUMMARY				435000/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Soil, Waste,RW and Vent Pipes**				
		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		2" dia	100	Rft	180/	18000/
ii		3" dia	390	Rft	250/-	97500/
iii		4" dia	0	Rft		
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	260	Rft	675/	175500/
		AMOUNT CARRIED TO SUMMARY				291000/

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	20	Nos	3500/-	70000/-
c		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	0	Nos	—	—
d		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	0	Nos	—	—
ii		3" dia	0	Nos	—	—
e		Supply and installation of 8" wide, 6" High internal heavy duty Cast Iron Inlet Drain as specified and shown on the drawing, as per specifications and Engineers approval.	0	Rft	—	—
		AMOUNT CARRIED TO SUMMARY				70000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
11		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	8	Nos.	40000/-	320,000/-
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	3	Nos.	20000/-	60000/-
c		Supply and installation of PDI certified Stainless Steel Centralized Grease interceptor (25 gpm) with Stainless Steel Strainer, removable baffle assembly to be installed in Centralized Grease Rooms with Vent piping specified and shown on the drawing, as per specifications and Engineers approval.	2	Nos.	400,000/-	800,000/-
		AMOUNT CARRIED TO SUMMARY				1180000

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
12		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	20000/-	20000/-
		M/S Nas... Government Contractor PROPRIETOR				
		AMOUNT CARRIED TO SUMMARY				20000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
13		**Gas Works**				
a		**Gas Piping**				
		Supply, Installation, testing and Commissioning of G.I Medium Pipes (hot Dipped) with high quality fittings as per BS EN 10255, conforming to Local Gas Company standards including all fitting, valve, flanges, reducers, tees, sockets, bends, clamps, support, cutting and fillings complete with testing and as per drawings, specifications and requirements of local gas company.				
		1/2" dia	Rft	80	114/-	9120/-
		3/4" dia	Rft	180	144/-	25920/-
		1" dia	Rft	90	215/-	19350/-
		11/4" dia	Rft	25	285/-	7125/-
		11/2" dia	Rft	30	345/-	10200/-
b		**Gas Valves**				
		Supply, installation, testing and Commissioning of Isolation/Gate valves for Gas piping as indicated on the drawing, as per specifications and Engineers approval.				
		1/2" dia	Nos	4	970	3880/-
		3/4" dia	Nos	1	1350	1350
		1" dia	Nos	0	—	
		11/4" dia	Nos	0	—	
		11/2" dia	Nos	1	2950/-	2950/-
c		**Connections**				
		Making service connection with existing Gas Company mains with necessary approval and directions by the Local Gas Company.	Job	1	15000	15000/-
d		Installation and provision of Gas meter and Regulator to the Gas Service Lines as per specifications and requirements of Local Gas Company including taking approval and making all payments to the Gas Company in this regard.	Job	1	15000	15000/-
		AMOUNT CARRIED TO SUMMARY				109895/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
14		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	4	Nos	11500/-	46000/-
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	4	Nos	7500/-	30000/-
		AMOUNT CARRIED TO SUMMARY				76000/-

Grand Summary

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	188,941
	SUB-TOTAL-A Rs.	**188,941**
	Add 25% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	
	TOTAL-A Rs.	
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	135025/-
2	Cold and Hot Water Supply Piping	276800
3	Isolation Valves & Non Return Valve	78295
4	Plumbing Specialties	4700/-
5	Packaged Pump Sets	-
6	Water Tank Connection	350007
7	Water Cooler, Water Filter & Hot Water Gyser	235000/-
8	Soil, Waste and Vent Pipes	366175/-
9	Drainage Specialties	678900/
10	Manholes and Gully traps	560007
11	External Connection	209007
12	Gas Works	68795
13	Fire Extinguishers	57000/
	SUB-TOTAL-B Rs.	2515690
	GRAND TOTAL AMOUNT (A+B)	2742419

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	3	Nos	6,503.20	19,510
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and I/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	4	Nos	11,477.40	45,910
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	9	Nos	5,658.40	50,926
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	9	Nos	2,686.54	24,179
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	2	Nos	5,782.70	11,565
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	0	Nos	6,442.70	-
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	4	Nos	1,591.70	6,367
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	7	Nos	1,071.40	7,500
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	8	Nos	2,376.00	19,008
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	8	Nos	497.20	3,978
		AMOUNT CARRIED TO SUMMARY				188,941

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING FIXTURES:** Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	7	Nos	3000/-	21000/-
ii		WC Cleaning Brush	7	Nos	575/-	4025/-
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	8	Nos	5000/-	40,000/-
iv		Supply, Installation of Imported Shower head with shower mixer having maximum flow of 9.5 lpm, as specified by architect in Fixture schedule, per drawings, specifications and Engineers Approval.	7	Nos	10000/	70000/
		AMOUNT CARRIED TO SUMMARY				135025/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	520	Rft	110/-	57200/-
ii		1" dia	390	Rft	160/-	62400/-
iii		1 1/4" dia	60	Rft	240/-	14400/-
iv		1 1/2" dia	40	Rft	380/-	15200/-
v		2" dia	220	Rft	580/-	127600/-
vi		2 1/2" dia	0	Rft	—	—
vii		3" dia	0	Rft	—	—
viii		4" dia	0	Rft	—	—
		AMOUNT CARRIED TO SUMMARY				276800

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves** Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	12	Nos	1850/-	22200/-
ii		1" dia	4	Nos	2200/-	8800/-
iii		1 1/4" dia	1	Nos	2870/-	2870/-
iv		1 1/2" dia	1	Nos	5225/-	5225/-
v		2" dia	4	Nos	9800/-	39200/-
vi		2 1/2" dia	0	Nos	—	—
vii		3" dia	0	Nos	—	—
viii		4" dia	0	Nos	—	—
4		**Non Return Valves** Providing and fixing of PN-20 non return Valve of Bronze Material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per type indicated in specifications and as per Engineers approval.				
i		1 1/2" dia	0	Nos	—	—
ii		2" dia	0	Nos	—	—
iii		3" dia	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				78297/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	4	Nos.	1175/-	4700/-
ii		1" Air Relief Valve	0	Nos.		
iii		2" dia foot valve	0	Nos.		
iv		2" Y-type Strainer	0	Nos.		
v		2" Flexible Connection	0	Nos.		
		AMOUNT CARRIED TO SUMMARY				4700/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (1 Duty , 1 standby), Flow = 50 GPM @ 50 ft head	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				—

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Water Tank**				
a		Connection for water tank including with valves, supports, excavation and Backfill, complete all in accordance with the drawing and specifications.				
i		2" Connection to RCC water tanks	0	No.		
ii		2" Connection to overhead water tanks using Float switch	1	No.	15000/-	15000/-
iii		Cast Iron Medium Duty Cover For RCC water tanks	1	No.	20000/-	20000/-
		AMOUNT CARRIED TO SUMMARY				35000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**Water Cooler**				
8a		Supply and installation of Stainless Steel Electric water cooler of below mentioned capacity with two taps, R-22 Refrigeration system, S.Steel Tank safety tested at 10kg/cm2 (142 p.s.i.) with recommended maximum working pressure of 3kg/cm2 (42 p.s.i.) including all accessories like Valves, interconnecting piping, Drain tray and drain connection s as indicated in the drawings, as per specifications and engineers approval.	1	No.	95000/-	95000/-
8b		**Water Filter** Supply and installation of 3 stage UV Water filter having minimum flow rate of 0.5 gpm including valves, piping, accessories, etc., as indicated on the drawing, as per specifications and Engineers approval.	1	No.	50000/-	50000/-
8c		**Hot Water Geyser** Providing and fixing of gas Fired hot water Geyser of below mentioned capacity with all accessories, Thermostat, Drain Tank, inlet and outlet valves, Air Vent, Pressure relief valve, Air relief valves as indicated in the drawings, as per specifications and engineers approval				
i		GS-01 to 02 (Capacity 35 Gallon)	2	No.	45000/-	90000/-
		AMOUNT CARRIED TO SUMMARY				235000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Soil, Waste,RW and Vent Pipes**				
		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		2" dia	60	Rft	180/-	10800/-
ii		3" dia	200	Rft	280/-	50000/-
iii		4" dia	240	Rft	360/-	86400/-
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	265	Rft	675/-	178875/-
3		**CONDENSATE PIPING**				
		Providing and fixing, uPVC Class 'E' pipes and fittings as per BS 3505 (EN 1401) for Condensate drain including fittings, bends, cuttings, filling etc. as indicated on drawings, as per specifications and Engineers approval.				
i		3/4" dia	30	Rft	150/-	4500/-
ii		1" dia	80	Rft	220/-	17600/-
iii		1 1/4"" dia	60	Rft	300/-	18000/-
iv		1 1/2" dia	0	Rft		
v		2" dia	0	Rft		
		AMOUNT CARRIED TO SUMMARY				366175/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	22	Nos	3500/-	77000/-
c		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	0	Nos	—	—
d		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	2	Nos	950/-	1900/-
ii		3" dia	0	Nos	—	—
e		Supply and installation of 8" wide, 6" High internal heavy duty Cast Iron Inlet Drain as specified and shown on the drawing, as per specifications and Engineers approval.	50	Rft	12000	600,000/-
		AMOUNT CARRIED TO SUMMARY				678900

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
11		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	10	Nos.	40000/-	400000/-
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	8	Nos.	8200/-	160,000/-
					AMOUNT CARRIED TO SUMMARY	560,000/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
12		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	20000/-	20000/-
		AMOUNT CARRIED TO SUMMARY				20000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
13		**Gas Works**				
a		**Gas Piping**				
		Supply, Installation, testing and Commissioning of G.I Medium Pipes (hot Dipped) with high quality fittings as per BS EN 10255, conforming to Local Gas Company standards including all fitting, valve, flanges, reducers, tees, sockets, bends, clamps, support, cutting and fillings complete with testing and as per drawings, specifications and requirements of local gas company.				
		1/2" dia	Rft	60	114/-	6840/-
		3/4" dia	Rft	30	144/-	4320/-
		1" dia	Rft	105	215/-	22575
b		**Gas Valves**				
		Supply, installation, testing and Commissioning of Isolation/Gate valves for Gas piping as indicated on the drawing, as per specifications and Engineers approval.				
		1/2" dia	Nos	3	975/-	2925/-
		3/4" dia	Nos	0		
		1" dia	Nos	1	2150	2150/-
c		**Connections**				
		Making service connection with existing Gas Company mains with necessary approval and directions by the Local Gas Company.	Job	1	15000	15000/-
d		Installation and provision of Gas meter and Regulator to the Gas Service Lines as per specifications and requirements of Local Gas Company including taking approval and making all payments to the Gas Company in this regard.	Job	1	15000/-	15000/-
		AMOUNT CARRIED TO SUMMARY				68795/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
14		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	3	Nos	11500/-	34500/-
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	3	Nos	7500/-	22500/-
		AMOUNT CARRIED TO SUMMARY				57000

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S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	299,082
	SUB-TOTAL-A Rs.	**299,082**
	Add 20 % Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	59816/-
	TOTAL-A Rs.	358898/-
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	224600/=
2	Cold and Hot Water Supply Piping	400700/-
3	Isolation Valves & Non Return Valves	58305/-
4	Plumbing Specialties	4705/-
5	Packaged Pump Sets	-
6	Water Tank Connection	55000/-
7	Water Cooler, Water Filter & Instanat Gyser	54000/-
8	Soil, Waste and Vent Pipes	394558/-
9	Drainage Specialties	667000/-
10	Manholes and Gully traps	809000/-
11	External Connection	200,000/-
12	Gas Works	16305/-
13	Fire Extinguishers	76000/-
		-
	SUB-TOTAL-B Rs.	3407160
	GRAND TOTAL AMOUNT (A+B)	3766058/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	1	Nos	6,503.20	6,503
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	10	Nos	11,477.40	114,774
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & l/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	11	Nos	5,658.40	62,242
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	11	Nos	2,686.54	29,552
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	1	Nos	5,782.70	5,783
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	3	Nos	6,442.70	19,328
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	11	Nos	1,591.70	17,509
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	11	Nos	1,071.40	11,785
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	11	Nos	2,376.00	26,136
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	11	Nos	497.20	5,469
		AMOUNT CARRIED TO SUMMARY				**299,082**

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		PLUMBING FIXTURES:				
1		Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Musiim shower	11	Nos	3000/-	33000/-
ii		WC Cleaning Brush	11	Nos	600/-	6600/-
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	15	Nos	5000/-	75000/-
iv		Supply, Installation of Imported Shower head with shower mixer having maximum flow of 9.5 lpm, as specified by architect in Fixture schedule, per drawings, specifications and Engineers Approval.	11	Nos	10,000/-	110,000/-
		AMOUNT CARRIED TO SUMMARY				224600/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	890	Rft	110/-	97900 -
ii		1" dia	485	Rft	160/-	77600
iii		1 1/4" dia	95	Rft	240/-	22800
iv		1 1/2" dia	90	Rft	380/-	34200
v		2" dia	290	Rft	580/-	168200
vi		2 1/2" dia	0	Rft	-	-
vii		3" dia	0	Rft	-	-
viii		4" dia	0	Rft	-	-
		PROP AMOUNT CARRIED TO SUMMARY				470700

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves** Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	2	Nos	1850/-	3700-
ii		1" dia	12	Nos	2200/-	26400-
iii		1 1/4" dia	2	Nos	2870/-	5740-
iv		1 1/2" dia	1	Nos	5225/-	5225/-
v		2" dia	5	Nos	8200	41000/-
vi		2 1/2" dia	0	Nos	-	-
vii		3" dia	0	Nos	-	-
viii		4" dia	0	Nos	-	-
4		**Non Return Valves** Providing and fixing of PN-20 non return Valve of Bronze Material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per type indicated in specifications and as per Engineers approval.				
i		1 1/2" dia	0	Nos	-	-
ii		2" dia	0	Nos	-	-
iii		3" dia	0	Nos	-	-
		AMOUNT CARRIED TO SUMMARY				58305/-

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	GOVT. OF SINDH CSR 2012 Item #/Page#/ Val.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	2	3	4	5	6	7=(4X6)
5		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	4	Nos.	1175/-	4700/-
ii		1" Air Relief Valve	0	Nos.		
iii		2" dia foot valve	0	Nos.		
iv		2" Y-type Strainer	0	Nos.		
v		2" Flexible Connection	0	Nos.		
		AMOUNT CARRIED TO SUMMARY				4700/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (1 Duty, 1 standby), Flow = 50 GPM @ 55 ft head	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				—

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Water Tank**				
a		Connection for water tank including with valves, supports, excavation and Backfill, complete all in accordance with the drawing and specifications.				
i		2" Connection to RCC water tanks	0	No.		
ii		2" Connection to overhead water tanks using Float switch	1	No.	15000/-	15000/-
iii		Cast Iron Medium Duty Cover For RCC water tanks	2	No.	20000/-	40000/-
		AMOUNT CARRIED TO SUMMARY				55000/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8a		**Water Cooler** Supply and installation of Stainless Steel Electric water cooler of capacity 35 gph with two taps, R-22 Refrigeration system, S.Steel Tank safety tested at 10kg/cm2 (142 p.s.i.) with recommended maximum working pressure of 3kg/cm2 (42 p.s.i.) including all accessories like Valves, interconnecting piping, Drain tray and drain connection s as indicated in the drawings, as per specifications and engineers approval.	1	No.	95000/-	95000/-
8b		**Water Filter** Supply and installation of 3 stage UV Water filter having minimum flow rate of 0.5 gpm including valves, piping, accessories, etc., as indicated on the drawing, as per specifications and Engineers approval.	3	No.	50000/-	150000/-
8c		**Instant Geyser** Providing and fixing of gas Fired Instant hot water Geyser of below mentioned capacity with all accessories, Thermostat, Drain Tank, inlet and outlet valves, Air Vent, Pressure relief valve, Air relief valves as indicated in the drawings, as per specifications and engineers approval				
i		GS-01 to 11 (Capacity 10 Litre/Minute)	12	No.	25000/-	300,000/-
		AMOUNT CARRIED TO SUMMARY				545000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		Soil, Waste,RW and Vent Pipes				
9a		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		2" dia	140	Rft	180/-	25200/-
ii		3" dia	230	Rft	250/-	57500/-
iii		4" dia	210	Rft	360/-	75600/-
9b		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	350	Rft	675/-	236250/-
		AMOUNT CARRIED TO SUMMARY				394550/-

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	25	Nos	3500/-	87500/-
b		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	0	Nos	—	—
c		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	1	Nos	1000/-	1000/-
ii		3" dia	1	Nos	2500/-	2500/-
d		Supply and installation of 8" wide, 6" High internal heavy duty Cast Iron Inlet Drain as specified and shown on the drawing, as per specifications and Engineers approval.	48	Rft	12000/-	576000/-
		AMOUNT CARRIED TO SUMMARY				667000

PROPR

CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
11		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	14	Nos.	40,000/-	560,000/-
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	12	Nos.	20000/-	240,000/-
		AMOUNT CARRIED TO SUMMARY				800,000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
12		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	20000/-	20000/-
		AMOUNT CARRIED TO SUMMARY				20000/-

M/S Naseem [illegible] Shah
Government [illegible]

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
13		**Gas Works**				
a		**Gas Piping**				
		Supply, Installation, testing and Commissioning of G.I Medium Pipes (hot Dipped) with high quality fittings as per BS EN 10255, conforming to Local Gas Company standards including all fitting, valve, flanges, reducers, tees, sockets, bends, clamps, support, cutting and fillings complete with testing and as per drawings, specifications and requirements of local gas company.				
		1/2" dia	Rft	170	114/-	19380/-
		3/4" dia	Rft	75	144/-	10800/-
		1" dia	Rft	145	215/-	31175/-
		11/4" dia	Rft	120	285/-	34200/-
		11/2" dia	Rft	50	345/-	18250/-
b		**Gas Valves**				
		Supply, installation, testing and Commissioning of Isolation/Gate valves for Gas piping as indicated on the drawing, as per specifications and Engineers approval.				
		1/2" dia	Nos	15	970/	14550/
		3/4" dia	Nos	0	=	
		1" dia	Nos	0		
		11/4" dia	Nos	0	-	
		11/2" dia	Nos	1	2950/-	2950/-
c		**Connections**				
		Making service connection with existing Gas Company mains with necessary approval and directions by the Local Gas Company.	Job	1	15000/	15000/-
d		Installation and provision of Gas meter and Regulator to the Gas Service Lines as per specifications and requirements of Local Gas Company including taking approval and making	Job	1	15000/	15000/-
		AMOUNT CARRIED TO SUMMARY				161307/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
14		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	Nos	4	11500/-	46000/-
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	Nos	4	7500/-	30000/-
		AMOUNT CARRIED TO SUMMARY				76000

ELECTRIC WORK

EA CONSULTING (PRIVATE) LIMITED

PACKAGE-B
HOSTEL
ELECTRICAL WORKS

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

EA Consulting
(Pvt.)Ltd.

SUMMARY

S.NO:	DESCRIPTION		AMOUNT
A	**SCHEUDLE ITEM**		
1	SUB HEAD I MAINS & SUB-MAINS		2,494,024
2	SUB HEAD II POINT WIRING		476,860
3	SUB HEAD XI ELECTRICAL ACCESSORIES		198,677
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		**3,169,561**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	792390/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		3961951/-
B	**NON SCHEUDLE ITEM**		
1	LOW VOLTAGE CABLES AND WIRES		296400/-
2	L.V. DISTRIBUTION BOARDS		705000/-
3	CONDUITS & PIPES		32270/-
4	WIRING ACCESSORIES		430515/-
5	LIGHT FIXTURE & FANS		2109293
6	EARTHING SYSTEM		186460/-
B	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		3759938/-
	TOTAL AMOUNT FOR 1 HOSTEL BUILDING (A + B)		7721889/-
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B) (FOR 3 HOSTEL BUILDINGS)		15443778/-

M/S [illegible] Shah
Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD I MAINS & SUB-MAINS**				
	D.	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1.1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	1,744	Per Mtr.	294.00	512,736
1.2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	1,050	Per Mtr.	338.00	354,900
1.3	Item # 26(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.044 (6 sq.mm) copper conductor in 1'' dia PVC conduit recessed in the wall or column as required.	150	Per Mtr.	468.00	70,200
	J	**WITH 3 CORE OVERHEAD OR UNDERGROUND 300/500**				
1.4	Item # 66(J)/ P-8/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN)PVC insulated & PVC Sheeted with three core copper conductor 300/500 volts size 4mm2	10	Per Mtr.	274.00	2,740
	N	**WITH 4 CORE OVERHEAD OR UNDERGROUND 300/500**				
1.5	Item # 101(N)/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 300/500 volts size 10mm2	24	Per Mtr.	742.00	17,808
	O	**WITH 4 CORE OVERHEAD OR UNDERGROUND 600/1000**				
1.6	Item # 102(O)/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 16mm2	10	Per Mtr.	1,300.00	13,000

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
	P	**WITH 4 CORE ARMOURED OVERHEAD OR UNDERGROUND 600/1000**				
1.7	Item # 117/ P-14/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armoured copper conductor 600/1000 volts size 70mm2	280	Per Mtr.	5,438.00	1,522,640
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				2,494,024

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
2		**SUB HEAD II POINT WIRING**				
a	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4'') PVC conduit recessed in the wall or column as required.	422	Per Point	1,130	476,860
		CARRIED TO ELECTRICAL SUMMARY ====>>>>				**476,860**

Government Contractor

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
3		**SUB HEAD XI ELECTRICAL ACCESSORIES**				
	B.	**CEILING ROSE**				
a)	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	61	Per No.	72.00	4,392
	C	**FAN**				
b)	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	61	Per Nos	3,185.00	194,285
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				**198,677**

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**LOW VOLTAGE CABLES AND WIRES**				
	Supply, installation, testing and commissioning of following size of single core PVC insulated, PVC sheathed non-armored Copper conductor 0.6 kV/1 kV voltage grade cable in already laid raceways or in ducts including all accessories lugs,cable glands, etc., as per drawings and specifications, complete in all respect.				
a	**1 Core Cu.PVC Cable As ECC**				
i	1 - core - 35 Sq.mm	280	Rm	1000/-	280,000/-
ii	1 - core - 16 Sq.mm	10	Rm	800/-	8000/-
iii	1 - core - 10 Sq.mm	24	Rm	350/-	8400/-
	CARRIED TO ELECTRICAL SUMMARY=====>>>>				296400/-

BILL OF QUANTITIES
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SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**L.V. DISTRIBUTION BOARDS**				
a)	Supply, installing, testing & commissioning of following wall mounting surface type Main Distribution Board (MDB),Sub Main Distribution Boards (SMDB's) and Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i)	SMDB - SHL -1	1	No.	170000/-	170000/-
ii)	DBL-GF	1	No.	130,000/-	130000/-
iii)	DBP-GF	1	No.	165000/-	165000/-
iv)	DBL-1F	1	No.	120,000/-	120,000/-
v)	DBP-1F	1	No.	120,000/-	120000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				705000/-

Nasem Ahmed Shah
Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CONDUITS & PIPES**				
a)	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe	20	Rm	77/-	1540/-
ii	38 mm dia PVC Pipe	30	Rm	177/-	5310/-
b)	Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.				
i)	2" dia uPVC	20	Rm	471/-	9420/-
c)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	1	No.	16000/-	16000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				32270/-

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**WIRING ACCESSORIES**				
4.1	Supply,installing,testing and commissioning of following 10/15/16 Amps,One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	One Gang switch 10A	1	Nos.	500	500
ii	One Gang switch 10A,(2way)	2	Nos.	7150	1430
iii	Two Gang switch 10A	8	Nos.	660	5280
iv	Three Gang switch 10A	12	Nos.	870	10440
v	Four Gang switch 10A	39	Nos.	1080	42120
vi	20A,Double Pole Switch	3	Nos.	1445	4335
vii	One Gang fan Dimmer switch 10A	5	Nos.	2065	10325
viii	Two Gang fan Dimmer switch 10A	28	Nos.	3845	107660
ix	10A,2Pin Switched Socket Outlet	182	Nos.	750	136500
x	10A,2Pin Switched Socket Outlet Weatherproof type	4	Nos.	1165	4660
xi	13A, 3 Pin Flat 2 Gang Switched Socket Outlet	4	Nos.	1760	7040
xii	20A,Flux Outlet	3	Nos.	1495	4485
xiii	15A, 3 Pin Switched Socket Outlet	1	No.	1165	1165
xiv	15A, 3 Pin Switched Socket Outlet Weatherproof type	31	Nos.	1455	45105
xv	20A,SPN Isolator	4	Nos.	6970	27880
xvi	20A,SPN Isolator Weatherproof type	2	Nos.	7640	15280
xvii	16A,3Pin Industrial Socket complete with Plug	2	Nos.	3155	6310
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				430515

Government Ali Baig Shah
Contractor

EA CONSULTING (PRIVATE) LIMITED

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**LIGHT FIXTURE & FANS**				
a)	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Type - E	51	Nos.	5110/-	260610
ii	Type - F	79	Nos.	5590/-	441610 —
iii	Type - I	148	Nos.	5788/-	855 588
iv	Type - J	61	Nos.	6288/-	383 385/-
v	Type - L	10	Rm.	13807-	15000/-
vi	Type - O	1	Nos.	150,060/-	150,000/-
b)	Supply, installation,testing and commissioning of following items including all connecting accessories as per drawings, specifications, complete in all respects.				
i	9" dia, Exhaust Fan	1	No.	4200/-	4200/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				2109293/

M/S PROPRIETOR

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
6	**EARTHING SYSTEM**				
a)	Supply, installing, testing and commissioning of following items for complete earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	No.	3000/-	3000/-
b)	Supply, installation, testing and commissioning of following items for complete clean earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	No.	30000/-	30000/-
ii	Supply, installation, testing and commissioning of Earth Copper Bar 200 mm x 50 mm x 5mm for earthing system as per drawings and instruction of consultant.	2	Nos.	13950/-	27900/-
c)	Supply, installing, testing and commissioning of following size of PVC insulated Cu.Conductor cable as earth continuity conductor (ECC) in 2" dia Upvc pipe including excavation and backfilling as per specification and drawing, complete in all respect.				
i	35 sq.mm	70	Rm	1458/-	9856/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				186460

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
1	SUB HEAD VI JUNCTION BOX	800
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	800
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW 25%	200
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	1000/-
B	**NON SCHEUDLE ITEM**	
1	CONDUITS & PIPES	56040/-
2	VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)(Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	8850
3	CCTV SYSTEM	N/A
4	CABLE TELEVISION SYSTEM (CATV)	22000
5	SELF CONTAINED EMERGENCY LIGHTS	N/A
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**	166540
	TOTAL AMOUNT FOR 1 HOSTEL BUILDING (A + B)	167540
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B) (FOR 3 HOSTEL BUILDINGS)	335080

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD VI JUNCTION BOX**				
1.1	Item # 158(VI)/ P-24/ Second Edition-2012	Providing & fixing junction box as per following specification Size of box 8``x6``x4`` MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	1	Per No.	800	800
		CARRIED TO ELV SUMMARY ===>>>				800

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**CONDUITS & PIPES**				
1.1	Providing and laying of following size UPVC pipe of Class D for Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification. Including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh soil etc., as shown on the drawing, complete in all respect.				
i	4" dia UPVC Pipe	15	Mtr.	1736/	26040
1.2	Providing and Construction of Manhole Size 2' x 2' x 3' mm deep 6" thick concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, complete in all respect. (For Incoming Telecommunication cables).	1	No.	30000/	30000/
	CARRIED TO ELV SUMMARY ==>>>>				56040/

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)**				
2.1	Providing, installation, testing & commissioning of following Data / Voice Cabinets, for patch panel, Fiber panels, adapter, PDU's, Fans and space for active switches as it may require to accommodate complete the entire passive and active network as per the single line diagram drawing and specification, complete in all respect.				
i	12U Data Rack in IT Room with PDU's (800mmx800mm)	1	No.	N/A	N/A
2.2	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging,as per drawing and specification, complete in all respect.	25	Nos.	N/A	N/A
2.3	Supply, installing, testing and commissioning of Dual RJ-45, Cat-6 outlet for Voice & Data Outlet with shutter type and 16 SWG back box including tagging as per drawing and specification, complete in all respect.	5	Nos.	N/A	N/A
2.4	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	8	Nos.	N/A	N/A
2.5	Supply, laying, testing and commissioning of CAT-6, 4 pair cable for Single RJ-45 outlet (Data, Voice & Camera) in 25mm dia PVC conduit concealed/surface from each outlet to IDF racks, including tagging and piping with all necessary accessories, complete in all respect. (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	885	Mtr.	100/-	88500/-
2.6	Supply, laying, testing and commissioning of Cat-5e, 25 pair Backbone cable from IDF Academic Block to IDF Hostel in already laid conduit / cable tray, including with all the necessary accessories as per drawing and specifications, complete in all respect.	684	Mtr.	N/A	N/A

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2.7	Supply, laying, testing and commissioning of 2 core single mode OS2 Fiber optic cable from IDF Academic Block to IDF Hostel in already laid conduit / cable tray, including with all necessary accessories, as per drawing and specification, complete in all respect.	684	Mtr.	N/A	N/A
2.8	Supply, installing, testing and commissioning of 24 port Cat 6, RJ 45 UTP Patch Panel fully loaded with tool less jacks and rear cable manager, as per drawing and specification, complete in all respect.	1	No.	N/A	N/A
2.9	Supply, installing, testing and commissioning of 24 port Fiber Patch Panel fully loaded with pigtails etc., and rear cable manager, as per drawing and specification, complete in all respect.	1	No.	N/A	N/A
2.10	Supply, installing, testing and commissioning of 19" front/rear (as required) cable organizer between patch panels and active equipment to provide patch cable management including with all necessary accessories, as per drawing and specification, complete in all respect.	2	Nos.	N/A	N/A
2.11	Providing, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45) for the above Patch Panels including with all necessary accessories, as per drawing and specification, complete in all respect.				
i	CAT-6 (1m) Long Patch Cord	43	Nos.	N/A	N/A
ii	CAT-6 (2m) Long Patch Cord	43	Nos.	N/A	N/A
2.12	Supply, installing, testing and commissioning of following blocks in Data rack, as per drawing and specification, complete in all respect.				
i	50 Pair IDC Block	2	Nos.	N/A	N/A
2.13	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing,as build drawing,Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				88508

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CCTV SYSTEM**				
3.1	Supply, installing, testing and commissioning of 2 MP IP based camera with 1/2.8" 3 to 12 mm varifocal lens, power adapter, wall mounted bracket and IP-65 housing, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect.	8	Nos.	N/A	N/A
3.2	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

M/S Naseem Ahmed Shaikh
Government Contractor

PROPRIETOR

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**CABLE TELEVISION SYSTEM (CATV)**				
4.1	Providing, installation, testing and commissioning of TV outlet face plate with 16 SWG back box, complete in all respects.	4	Nos.	N/A	N/A
4.2	Supply and installation of CATV 1x4 Way Splitter, complete in all respects.	2	Nos.	N/A	N/A
4.3	Supply and installation of CATV RG-11 Co-axial 75 ohms shielded cable in already laid uPVC conduit for Incoming cable of Hostel Splitter. Complete in all respects.	400	Mtr.	N/A	N/A
4.4	Supply and installation of CATV RG-06 Co-axial 75 ohms shielded cable in 25mm dia PVC conduit from box to TV outlet, complete in all respects. (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	110	Mtr.	200/-	22000/-
	CARRIED TO ELV SUMMARY =====>>>>				22000/-

M/S [illegible] Shah
Govt. Licensed Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**SELF CONTAINED EMERGENCY LIGHTS**				
5.1	Supply, installing, testing and commissioning of following items for self contained emergency lights with all fixing accessories as per drawing and specification, complete in all respect.				
i	7W, Emergency light with self contained Battery, Surface / Wall mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-R)	5	Nos.	N/A	N/A
ii	7W, Emergency light with self contained Battery, Surface / Wall mounted IP-65 as per specification and drawing complete in all respect.(non - maintained) (Type-Q)	8	Nos.	N/A	N/A
iii	8W, EXIT light with self contained Battery, 40m viewing, Surface mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-P)	13	Nos.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

PACKAGE-B
DINING HALL
ELECTRICAL WORKS

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAK.

EA Consulting
(Pvt.)Ltd.

SUMMARY

S.NO:	DESCRIPTION		AMOUNT
A	**SCHEUDLE ITEM**		
1	SUB HEAD I MAINS & SUB-MAINS		963,253
2	SUB HEAD II POINT WIRING		419,230
3	SUB HEAD XI ELECTRICAL ACCESSORIES		241,018
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		**1,623,501**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	405875/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		2029376/-
B	**NON SCHEUDLE ITEM**		
1	LOW VOLTAGE CABLES AND WIRES		220,000/-
2	L.V. DISTRIBUTION BOARDS		220,000/-
3	CONDUITS & PIPES		25675/-
4	WIRING ACCESSORIES		241590/-
5	LIGHT FIXTURE & FANS		182705/-
6	EARTHING SYSTEM		139560/-
B	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		2673525/-
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)		4702901-

M/S [illegible] Ahmed Shah
Govering Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

81040 + ELV
4783941

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD I MAINS & SUB-MAINS**				
	D.	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1.1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	702	Per Mtr.	294.00	206,388
1.2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	250	Per Mtr.	338.00	84,500
	J	**WITH 3 CORE OVERHEAD OR UNDERGROUND 300/500**				
1.3	Item # 66(J)/ P-8/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN)PVC insulated & PVC Sheeted with three core copper conductor 300/500 volts size 4mm2	10	Per Mtr.	274.00	2,740
	P	**WITH 4 CORE ARMOURED OVERHEAD OR UNDERGROUND 600/1000**				
1.4	Item # 114/ P-13/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armoured copper conductor 600/1000 volts size 25mm2	275	Per Mtr.	2,435.00	669,625
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				**963,253**

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
2		**SUB HEAD II POINT WIRING**				
a	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required.	371	Per Point	1,130	419,230
		CARRIED TO ELECTRICAL SUMMARY ====>>>>				419,230

Ahmed Shah
Government Contractor

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
3		**SUB HEAD XI ELECTRICAL ACCESSORIES**				
	B.	**CEILING ROSE**				
a)	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	74	Per No.	72.00	5,328
	C	**FAN**				
b)	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	74	Per No.	3,185.00	235,690
		CARRIED TO ELECTRICAL SUMMARY ==========>>>				**241,018**

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**LOW VOLTAGE CABLES AND WIRES** Supply, installation, testing and commissioning of following size of single core PVC insulated, PVC sheathed non-armored Copper conductor 0.6 kV/1 kV voltage grade cable in already laid raceways or in ducts including all accessories lugs,cable glands, etc., as per drawings and specifications, complete in all respect.				
a	**1 Core Cu.PVC Cable As ECC**				
i	1 - core - 16 Sq.mm	275	Rm	800/-	220,000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				220,000

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**L.V. DISTRIBUTION BOARDS**				
a)	Supply, installing, testing & commissioning of following wall mounting surface type Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i)	DB - DHL	1	No.	220,000/	220,000/-
				CARRIED TO ELECTRICAL SUMMARY =====>>>>	220,000/-

DIRECTOR

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CONDUITS & PIPES**				
a)	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe	10	Rm	77/-	770/-
b)	Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.				
i)	2" dia uPVC	10	Rm	490/-	4900/-
c)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	1	No.	20000/-	20000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				25670/-

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**WIRING ACCESSORIES**				
4.1	Supply,installing,testing and commissioning of following 10/15/16 Amps,One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	One Gang switch 10A	1	No.	500	500 -
ii	Two Gang switch 10A	8	Nos.	660	5280
iii	Three Gang switch 10A	4	Nos.	870	3480
iv	Four Gang switch 10A	30	Nos.	1080	32400
v	One Gang fan Dimmer switch 10A	5	Nos.	2065	10325
vi	Two Gang fan Dimmer switch 10A	35	Nos.	3845	134575
vii	10A,2Pin Switched Socket Outlet	40	Nos.	750	30000
viii	13A, 3 Pin Flat 2 Gang Switched Socket Outlet	1	No.	1760	1760
ix	15A, 3 Pin Switched Socket Outlet	8	Nos.	1165	9320
x	20A,SPN Isolator Weatherproof type	1	No.	7640	7640
xi	16A,3Pin Industrial Socket complete with Plug	2	Nos.	3155	6310
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				241580

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**LIGHT FIXTURE & FANS**				
a)	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Type - B	92	Nos.	6540	601680
ii	Type - D	10	Nos.	9455	94550
iii	Type - E	97	Nos.	5110	495670
iv	Type - H	38	Nos.	2655	100890
v	Type - J	54	Nos.	6285	339390
vi	Type - L	10	Rm.	1390	13900
vii	Type - N	5	Nos.	6125	30625
viii	Type - O	1	No.	150000/-	150000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				1826705/-

M/S [illegible] Ahmed Shah
Government Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LTD.

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
6	**EARTHING SYSTEM**				
a)	Supply, installing, testing and commissioning of following items for complete earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	Nos.	30000/-	30000/-
b)	Supply, installation, testing and commissioning of following items for complete clean earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	Nos.	30000/-	30000/-
ii	Supply, installation, testing and commissioning of Earth Copper Bar 200 mm x 50 mm x 5mm for earthing system as per drawings and instruction of consultant.	2	Nos.	13950/-	27900/-
c)	Supply, installing, testing and commissioning of following size of PVC insulated Cu.Conductor cable as earth continuity conductor (ECC) in 2" dia Upvc pipe including excavation and backfilling as per specification and drawing, complete in all respect.				
i	16 sq.mm	20	Rm	2583/-	51600/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				113500/-

PACKAGE-B
DINING HALL
ELV WORKS

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

EA Consulting
(Pvt.) Ltd.

S.NO.	DESCRIPTION		AMOUNT
A	**SCHEUDLE ITEM**		
1	SUB HEAD VI JUNCTION BOX		800
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		**800**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	200/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		1000/-
B	**NON SCHEUDLE ITEM**		
1	CONDUITS & PIPES		56040-
2	VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)(Equipments & cabling on HOLD, only conduiting in Contractor's Scope)		24000/-
3	CCTV SYSTEM		N/A
4	SELF CONTAINED EMERGENCY LIGHTS		N/A
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**		80040/
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)		81040/

M/S Pasteur Ahmed Shah
Government Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD VI JUNCTION BOX**				
1.1	Item # 158(VI)/ P-24/ Second Edition-2012	Providing & fixing junction box as per following specification Size of box 8``x6``x4`` MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	1	Per No.	800	800
		CARRIED TO ELV SUMMARY =====>>>>				800

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**CONDUITS & PIPES**				
1.1	Providing and laying of following size UPVC pipe of Class D for Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification. Including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh sand (6" under and 6" above pipe) etc., as shown on the drawing, complete in all respect.				
i	4" dia UPVC Pipe	15	Mtr.	1736/-	26040/-
1.2	Providing and Construction of Manhole Size 2' x 2' x 3' mm deep 6" thick concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, complete in all respect. (For Incoming Telecommunication cables).	1	No.	30000/-	30000/-
	CARRIED TO ELV SUMMARY =====>>>>				56040/-

Authorized Signature
Electrical Contractor

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)**				
2.1	Providing, installation, testing and commissioning of following Data / Voice Cabinets, for patch panel, Fiber panels, adapter, PDU's,Fans and space for active switches as it may require to accommodate complete the entire passive and active network as per the single line diagram drawing and specification, complete in all respect.				
i	12U Data Rack in IT Room with PDU's (800mmx800mm)	1	Nos.	N/A	N/A
2.2	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging,as per drawing and specification, complete in all respect.	1	Nos.	N/A	N/A
2.3	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	11	Nos.	N/A	N/A
2.4	Supply, laying, testing and commissioning of CAT 6 - 4 pair cable for Single RJ-45 outlet (Voice and Camera) in 25mm dia PVC conduit concealed/surface from each outlet to IDF racks, including tagging and piping with all necessary accessories, complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	240	Mtr.	100/-	24000/-
2.5	Supply, laying, testing and commissioning of Cat-5e, 25 pair Backbone cable from Main IDF at Academic Block to Dining Hall IDF rack in already laid UPVC conduit / cable tray including with all the necessary accessories as per drawing and specifications, complete in all respect.	320	Mtr.	N/A	N/A
2.6	Supply, laying, testing and commissioning of 8 core multi mode OM4 Fiber optic cable from Main IDF at Academic Block to Dining Hall IDF rack in already laid UPVC conduit / cable tray including with all necessary accessories, as per drawing and specification, complete in all respect.	640	Mtr.	N/A	N/A

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2.7	Supply, installing, testing and commissioning of 24 port Cat 6, RJ 45 UTP Patch Panel fully loaded with tool less jacks and rear cable manager, as per drawing and specification, complete in all respect.	1	Nos.	N/A	N/A
2.8	Supply, installing, testing and commissioning of 24 port Fiber Patch Panel fully loaded with pigtails etc., and rear cable manager, as per drawing and specification, complete in all respect.	1	Nos.	N/A	N/A
2.9	Supply, installing, testing and commissioning of 19" front/rear (as required) cable organizer between patch panels and active equipment to provide patch cable management including with all necessary accessories, as per drawing and specification, complete in all respect.	2	Nos.	N/A	N/A
2.10	Providing, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45) for the above Patch Panels including with all necessary accessories, as per drawing and specification, complete in all respect.				
i	CAT-6 (1m) Long Patch Cord.	12	Nos.	N/A	N/A
ii	CAT-6 (2m) Long Patch Cord.	12	Nos.	N/A	N/A
2.11	Supply, installing, testing and commissioning of following blocks in Telephone junction boxes / Data racks, as per drawing and specification, complete in all respect.				
i	50 Pair IDC Block	1	Nos.	N/A	N/A
2.12	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing,as build drawing,Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>				240007

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CCTV SYSTEM**				
3.1	Supply, installing, testing and commissioning of 2 MP IP based camera with 1/2.8" 3 to 12 mm varfocal lens, power adopter, wall mounted bracket and IP-65 housing, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect.	11	Nos.	N/A	N/A
3.2	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**SELF CONTAINED EMERGENCY LIGHTS**				
4.1	Supply, installing, testing and commissioning of following items for self contained emergency lights with all fixing accessories as per drawing and specification, complete in all respect.				
i	7W, Emergency light with self contained Battery, Wall mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-R)	2	Nos.	N/A	N/A
ii	7W, Emergency light with self contained Battery, Surface mounted IP-65 as per specification and drawing complete in all respect.(non - maintained) (Type-Q)	10	Nos.	N/A	N/A
iii	8W, EXIT light with self contained Battery, 40m viewing, Surface mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-P)	7	Nos.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				X

EA CONSULTING (PRIVATE) LIMITED

PACKAGE-B
LOWER STAFF
ACCOMMODATION
ELECTRICAL WORK

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

EA Consulting
(Pvt.)Ltd.

SUMMARY

S.NO:	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
1	SUB HEAD I MAINS & SUB-MAINS	973,160
2	SUB HEAD II POINT WIRING	180,800
3	SUB HEAD XI ELECTRICAL ACCESSORIES	84,682
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	**1,238,642**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW 25%	309661-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	1548303/-
B	**NON SCHEUDLE ITEM**	
1	LOW VOLTAGE CABLES AND WIRES	208000
2	L.V. DISTRIBUTION BOARDS	209000
3	CONDUITS & PIPES	47457
4	WIRING ACCESSORIES	161900
5	LIGHT FIXTURE & FANS	761597
6	EARTHING SYSTEM	42500
B	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	1421037
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)	2969340

+ 102940 EW

3072280

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD I MAINS & SUB-MAINS**				
	D.	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1.1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	630	Per Mtr.	294.00	185,220
1.2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	450	Per Mtr.	338.00	152,100
	J	**WITH 3 CORE OVERHEAD OR UNDERGROUND 300/500**				
1.3	Item # 66(J)/ P-8/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN)PVC insulated & PVC Sheeted with three core copper conductor 300/500 volts size 4mm2	10	Per Mtr.	274.00	2,740
	P	**WITH 4 CORE ARMOURED OVERHEAD OR UNDERGROUND 600/1000**				
1.4	Item # 114/ P-13/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armoured copper conductor 600/1000 volts size 25mm2	260	Per Mtr.	2,435.00	633,100
		CARRIED TO ELECTRICAL SUMMARY ====>>>>				**973,160**

Shah
Director

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
2		**SUB HEAD II POINT WIRING**				
a	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required.	160	Per Point	1,130	180,800
		CARRIED TO ELECTRICAL SUMMARY ======>				180,800

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
3		**SUB HEAD XI ELECTRICAL ACCESSORIES**				
	B.	**CEILING ROSE**				
a)	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	26	Per No.	72.00	1,872
	C	**FAN**				
b)	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	26	Per Nos	3,185.00	82,810
		CARRIED TO ELECTRICAL SUMMARY ====>>>>				84,682

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**LOW VOLTAGE CABLES AND WIRES** Supply, installation, testing and commissioning of following size of single core PVC insulated, PVC sheathed non-armored Copper conductor 0.6 kV/1 kV voltage grade cable in already laid raceways or in ducts including all accessories lugs,cable glands, etc., as per drawings and specifications, complete in all respect.				
a	**1 Core Cu.PVC Cable As ECC**				
i	1 - core - 16 Sq.mm	260	Rm	80/-	20800/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				20800/-

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**L.V. DISTRIBUTION BOARDS**				
a)	Supply, installing, testing & commissioning of following wall mounting surface type Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i)	DB - LSL	1	No.	200,000/	200,000/
	CARRIED TO ELECTRICAL SUMMARY ==========>>>>				200,000/

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CONDUITS & PIPES**				
a)	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe	10	Rm	100/-	1000/-
b)	Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.				
i)	4" dia uPVC	15	Rm	17360	260457
c)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	1	No.	20000	20000
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				47040

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**WIRING ACCESSORIES**				
4.1	Supply,installing,testing and commissioning of following 10/15/16 Amps,One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	One Gang switch 10A	3	Nos.	500/-	1500
ii	Two Gang switch 10A	9	Nos.	660/-	5940
iii	Three Gang switch 10A	5	Nos.	870/-	4350
iv	Four Gang switch 10A	17	Nos.	1080/-	18360
v	One Gang fan Dimmer switch 10A	2	Nos.	2065/-	4130
vi	Two Gang fan Dimmer switch 10A	12	Nos.	3845/-	46140
vii	10A,2Pin Switched Socket Outlet	55	Nos.	750/-	41250
viii	15A, 3 Pin Switched Socket Outlet	16	Nos.	1165/-	18640
ix	20A,SPN Isolator Weatherproof type	2	Nos.	7645/-	15250
x	16A,3Pin Industrial Socket complete with Plug	2	Nos.	3155/-	6310
	CARRIED TO ELECTRICAL SUMMARY=====>>>>				161901/-

Contractor

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**LIGHT FIXTURE & FANS**				
a)	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Type - B	9	Nos.	6540	58860
ii	Type - D	3	Nos.	9455	28365
iii	Type - E	47	Nos.	5110	240170
iv	Type - F	19	Nos.	5590	106210
v	Type - I	42	Nos.	5781	242802
vi	Type - J	12	Nos.	6285	75420
vii	Type - K	1	No.	9770	9770
	CARRIED TO ELECTRICAL SUMMARY ====>>>>				761597-

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
6	**EARTHING SYSTEM**				
a)	Supply, installing, testing and commissioning of following items for complete earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	No.	3000/-	3000/-
b)	Supply, installing, testing and commissioning of following size of hard drawn bare Cu.Conductor / PVC insulated Cu.Conductor cable as earth continuity conductor (ECC) installed on surface or in already installed raceway or in already excavated trench or in already laid pipe complete in all respect.				
i)	16 sq.mm	25	Rm	500/-	12500/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				42500/-

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
1	SUB HEAD VI JUNCTION BOX	1,600
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	**1,600**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW 25%	400/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	2000/-
B	**NON SCHEUDLE ITEM**	
1	CONDUITS & PIPES	56040
2	VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)(Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	17000/-
3	CCTV SYSTEM	N/A
4	CATV SYSTEM	22900/-
5	SELF CONTAINED EMERGENCY LIGHTS	N/A
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**	100940
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)	102940

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD VI JUNCTION BOX**				
1.1	Item # 158(VI)/ P-24/ Second Edition-2012	Providing & fixing junction box as per following specification Size of box 8``x6``x4`` MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	2	Per No.	800	1,600
		CARRIED TO ELV SUMMARY =====>>>>				1,600

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**CONDUITS & PIPES**				
1.1	Providing and laying of following size UPVC pipe of Class D for Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification. Including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh sand (6" under and 6" above pipe) etc., as shown on the drawing, complete in all respect.				
i	4" dia UPVC Pipe	15	Mtr.	1736/-	26040
1.2	Providing and Construction of Manhole Size 2' x 2' x 3' mm deep 6" thick concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, complete in all respect. (For Incoming Telecommunication cables).	1	No.	30000	30000
	CARRIED TO ELV SUMMARY ==>>>>				56040

Director

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)**				
2.1	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging,as per drawing and specification, complete in all respect.	11	Nos.	N/A	N/A
2.2	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	4	Nos.	N/A	N/A
2.3	Supply, laying, testing and commissioning of CAT 6 - 4 pair cable for Single RJ-45 outlet (Voice and Camera) in 25mm dia PVC conduit concealed/surface from each outlet to IDF racks, including tagging and piping with all necessary accessories, complete in all respect. (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	170	Mtr.	1000/-	170000/-
2.4	Supply, laying, testing and commissioning of Cat-5e, 25 pair Backbone cable from Main IDF at Academic Block to Lower Staff Accommodation TJB in already laid UPVC conduit / cable tray including with all the necessary accessories as per drawing and specifications, complete in all respect.	465	Mtr.	N/A	N/A
2.5	Supply, laying, testing and commissioning of 2 core single mode OS2 Fiber optic cable from Main IDF at Academic Block to Lower Staff Accommodation for Cameras, in already laid UPVC conduit / cable tray, including with all necessary accessories, as per drawing and specification, complete in all respect.	980	Mtr.	N/A	N/A
2.6	Providing, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45), including with all necessary accessories, as per drawing and specification, complete in all respect.				
i	CAT-6 (1m) Long Patch Cord.	15	Nos.	N/A	N/A
ii	CAT-6 (2m) Long Patch Cord.	15	Nos.	N/A	N/A

M/S [illegible] Shah
Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2.7	Supply, installing, testing and commissioning of following blocks in Telephone junction boxes, as per drawing and specification, complete in all respect.				
i	TJB with 2x10 Pair IDC Block	1	Nos.	N/A	N/A
2.8	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing,as build drawing,Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				17000/-

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CCTV SYSTEM**				
3.1	Supply, installing, testing and commissioning of 2 MP IP based camera with 1/2.8" 3 to 12 mm varfocal lens, power adopter, wall mounted bracket and IP-65 housing, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect.	4	Nos.	N/A	N/A
3.2	Supply, installing, testing and commissioning of Media Converter from Fiber to RJ-45, as per drawing and specification, complete in all respect.	4	No.	N/A	N/A
3.3	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**CABLE TELEVISION SYSTEM (CATV)**				
4.1	Providing, installation, testing and commissioning of TV outlet face plate with 16 SWG back box, complete in all respects.	1	Nos.	N/A	N/A
4.2	Supply and installation of CATV 1x4 Way Splitter Box, complete in all respects.	1	Nos.	N/A	N/A
4.3	Supply and installation of CATV RG 6 Co-axial 75 ohms shielded cable in 25mm dia PVC conduit from box to TV outlet, complete in all respects. (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	155	Mtr.	180/-	27900/-
	CARRIED TO ELV SUMMARY =====>>>>				27900/-

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**SELF CONTAINED EMERGENCY LIGHTS**				
5.1	Supply, installing, testing and commissioning of following items for self contained emergency lights with all fixing accessories as per drawing and specification, complete in all respect.				
i	8W, EXIT light with self contained Battery, 40m viewing, Surface mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-P)	8	Nos.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

PACKAGE-B
BACHELORS
ACCOMMODATION
ELECT. WORKS

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAK.

EA Consulting
(Pvt.)Ltd.

SUMMARY

S.NO:	DESCRIPTION		AMOUNT
A	**SCHEUDLE ITEM**		
1	SUB HEAD I MAINS & SUB-MAINS		1,307,408
2	SUB HEAD II POINT WIRING		153,680
3	SUB HEAD XI ELECTRICAL ACCESSORIES		61,883
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		**1,522,971**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	380,743/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		1903714/-
B	**NON SCHEUDLE ITEM**		
1	LOW VOLTAGE CABLES AND WIRES		442750/-
2	L.V. DISTRIBUTION BOARDS		275000/-
3	CONDUITS & PIPES		43810/-
4	WIRING ACCESSORIES		213090/-
5	LIGHT FIXTURE & FANS		615046/-
6	EARTHING SYSTEM		70000/-
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**		1659696
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)		3563415/-

171440 +
3734850/

Naseem Ahmed Shah
Government Contractor

EA CONSULTING (PRIVATE) LIMITED

BOQ-SUMMARY

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD I MAINS & SUB-MAINS**				
	D.	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1.1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	562	Per Mtr.	294.00	165,228
1.2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	250	Per Mtr.	338.00	84,500
1.3	Item # 26(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.044 (6 sq.mm) copper conductor in 1'' dia PVC conduit recessed in the wall or column as required.	250	Per Mtr.	468.00	117,000
	J	**WITH 3 CORE OVERHEAD OR UNDERGROUND 300/500**				
1.4	Item # 66(J)/ P-8/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN)PVC insulated & PVC Sheeted with three core copper conductor 300/500 volts size 4mm2	10	Per Mtr.	274.00	2,740
	O	**WITH 4 CORE OVERHEAD OR UNDERGROUND 600/1000**				
1.5	Item # 103/ P-12/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armoured copper conductor 600/1000 volts size 25mm2	10	Per Mtr.	1,909.00	19,090
	P	**WITH 4 CORE ARMOURED OVERHEAD OR UNDERGROUND 600/1000**				
1.6	Item # 116/ P-14/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armoured copper conductor 600/1000 volts size 50mm2	235	Per Mtr.	3,910.00	918,850
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				1,307,408

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
2		**SUB HEAD II POINT WIRING**				
a	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4'') PVC conduit recessed in the wall or column as required.	136	Per Point	1,130	153,680
		CARRIED TO ELECTRICAL SUMMARY ==>>>>>				153,680

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
3		**SUB HEAD XI ELECTRICAL ACCESSORIES**				
	B.	**CEILING ROSE**				
a)	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	19	Per No.	72.00	1,368
	C	**FAN**				
b)	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	19	Per Nos	3,185.00	60,515
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				61,883

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAK.

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**LOW VOLTAGE CABLES AND WIRES** Supply, installation, testing and commissioning of following size of single core PVC insulated, PVC sheathed non-armored Copper conductor 0.6 kV/1 kV voltage grade cable in already laid raceways or in ducts including all accessories lugs,cable glands, etc., as per drawings and specifications, complete in all respect.				
a	**1 Core Cu.PVC Cable As ECC**				
i	1 - core - 25 Sq.mm	235	Rm	1850	434750
ii	1 - core - 16 Sq.mm	10	Rm	800	8000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				442750/-

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**L.V. DISTRIBUTION BOARDS**				
a)	Supply, installing, testing & commissioning of following wall mounting surface type Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i)	DB - BAL	1	No.	200,000	200,000/-
i)	DBAC - BA	1	No.	75000/-	75000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				275000/-

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CONDUITS & PIPES**				
a)	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i)	38 mm dia PVC Pipe	10	Rm	177/-	1770/-
b)	Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.				
i)	4" dia uPVC	15	Rm	1736/-	26040/-
c)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	1	No.	16005/	16005/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				43810/-

PACKAGE-B
BACHELORS
ACCOMMODATION
ELECT. WORKS

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAK.

EA Consulting
(Pvt.)Ltd.

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**WIRING ACCESSORIES**				
4.1	Supply,installing,testing and commissioning of following 10/15/16 Amps,One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	One Gang switch 10A	3	Nos.	500/-	15000.
ii	Two Gang switch 10A	17	Nos.	660/-	11220
iii	Three Gang switch 10A	11	Nos.	870/	9570
iv	Four Gang switch 10A	7	Nos.	1080/	7560
v	One Gang fan Dimmer switch 10A	13	Nos.	2065/-	26845
vi	Two Gang fan Dimmer switch 10A	3	Nos.	3845/-	11535
vii	10A,2Pin Switched Socket Outlet	59	Nos.	750/-	44250
viii	15A, 3 Pin Switched Socket Outlet	8	Nos.	1165	9320
ix	20A,SPN Isolator	10	Nos.	6970	89700
x	20A,SPN Isolator Weatherproof type	2	Nos.	7640	15280
xi	16A,3Pin Industrial Socket complete with Plug	2	Nos.	3155/-	6310
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				213090

M/S ... Shah
... Contractor

PROPRIETOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**LIGHT FIXTURE & FANS**				
a)	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Type - B	15	Nos.	6540	98100
ii	Type - D	4	Nos.	9455	37820
iii	Type - E	34	Nos.	5110	173740
iv	Type - F	11	Nos.	5590	61490
v	Type - I	26	Nos.	5781	150306
vi	Type - J	12	Nos.	6285	75420
vii	Type - K	1	No.	9770	9770
b)	Supply, installation,testing and commissioning of following items including all connecting accessories as per drawings, specifications, complete in all respects.				
i	9" dia, Exhaust Fan	2	No.	4200	4200/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				615466/-

Contractor

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
6	**EARTHING SYSTEM**				
a)	Supply, installing, testing and commissioning of following items for complete earthing system including all connecting accessories as per drawings & specifications complete in all respect.				
i	Earth pit with Rod type earth electrode, 20mm dia and 3 meter long copper rod .	1	No.	30000/-	30000/-
b)	Supply, installing, testing and commissioning of following size of hard drawn bare Cu.Conductor / PVC insulated Cu.Conductor cable as earth continuity conductor (ECC) installed on surface or in already installed raceway or in already excavated trench or in already laid pipe complete in all respect.				
i)	25 sq.mm	25	Rm	1600	40000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				70000

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	AMOUNT
A	**SCHEUDLE ITEM**	
1	SUB HEAD VI JUNCTION BOX	1,600
A	**TOTAL OF SCHEDULE ITEMS =====>>>>>>>**	**1,600**
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW 25.	200/-
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>	2000/-
B	**NON SCHEUDLE ITEM**	
1	CONDUITS & PIPES	56040
2	VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only) (Equipments & cabling on HOLD, only conduiting in Contractor's Scope)	34600
3	CCTV SYSTEM	N/A
4	CATV SYSTEM	73800
5	SELF CONTAINED EMERGENCY LIGHTS	N/A
B	**TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>**	16944.
	GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)	17144.

EA CONSULTING (PRIVATE) LIMITED

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
1		**SUB HEAD VI JUNCTION BOX**				
1.1	Item # 158(VI)/ P-24/ Second Edition-2012	Providing & fixing junction box as per following specification Size of box 8``x6``x4`` MS plate size 16 SWG thick Clamp with nuts & bolts Cover plate with screw Painting two coats of rust preventive red oxide & two coats of ICI oil paint as per site requirement & instruction of EI	2	Per No.	800	1,600
		CARRIED TO ELV SUMMARY =====>>>>				1,600

M/s Naseem Ahmed Shah
Government Contractor
PROPRIETOR

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**CONDUITS & PIPES**				
1.1	Providing and laying of following size UPVC pipe of Class D for Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification. Including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh sand (6" under and 6" above pipe) etc., as shown on the drawing, complete in all respect.				
i	4" dia UPVC Pipe	15	Mtr.	1736/-	26040
1.2	Providing and Construction of Manhole Size 2' x 2' x 3' mm deep 6" thick concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, complete in all respect. (For Incoming Telecommunication cables).	1	No.	30000	30000
	CARRIED TO ELV SUMMARY =====>>>>				51040

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2	**VOICE, DATA COMMUNICATION & CCTV CABLING SYSTEMS (Passive Equipment Only)**				
2.1	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging,as per drawing and specification, complete in all respect.	17	Nos.	N/A	N/A
2.2	Supply, installing, testing and commissioning of Single RJ-45, Cat-6 outlet for Camera with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	4	Nos.	N/A	N/A
2.3	Supply, laying, testing and commissioning of CAT 6 - 4 pair cable for Single RJ-45 outlet (Voice and Camera) in 25mm dia PVC conduit concealed/surface from each outlet to IDF racks, including tagging and piping with all necessary accessories, complete in all respect. (Cabling on HOLD, only conduiting in Contractor's Scope)	220	Mtr.	180/-	39600/-
2.4	Supply, laying, testing and commissioning of Cat-5e, 25 pair Backbone cable from Main IDF at Academic Block to Bachelors Accommodation TJB in already laid UPVC conduit / cable tray including with all the necessary accessories as per drawing and specifications, complete in all respect.	435	Mtr.	N/A	N/A
2.5	Supply, laying, testing and commissioning of 2 core single mode OS2 Fiber optic cable from Main IDF at Academic Block to Bachelors Accommodation for Cameras, in already laid UPVC conduit / cable tray, including with all necessary accessories, as per drawing and specification, complete in all respect.	920	Mtr.	N/A	N/A
2.6	Providing, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45), including with all necessary accessories, as per drawing and specification, complete in all respect.				
i	CAT-6 (1m) Long Patch Cord.	21	Nos.	N/A	N/A
ii	CAT-6 (2m) Long Patch Cord.	21	Nos.	N/A	N/A

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
2.7	Supply, installing, testing and commissioning of following blocks in Telephone junction boxes, as per drawing and specification, complete in all respect.				
i	TJB with 2x10 Pair IDC Block	1	Nos.	N/A	N/A
2.8	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing,as build drawing,Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY=====>>>				39608/

Contractor

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**CCTV SYSTEM**				
3.1	Supply, installing, testing and commissioning of 2 MP IP based camera with 1/2.8" 3 to 12 mm varfocal lens, power adopter, wall mounted bracket and IP-65 housing, complete in all respect with fixing accessories, as per drawing and specifications, complete in all respect.	4	Nos.	N/A	N/A
3.2	Supply, installing, testing and commissioning of Media Converter from Fiber to RJ-45, as per drawing and specification, complete in all respect.	4	No.	N/A	N/A
3.3	Installation, testing, commissioning, programming by Manufacturer Authorized Agent / Dealer and handing over complete CCTV System to Owner with providing training, SOP, complete equipment's manual and warranty documents to owners representative.	1	Job.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

EA CONSULTING (PRIVATE) LIMITED

M/S Nasir Ahmed Shah
Government Contractor

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
4	**CABLE TELEVISION SYSTEM (CATV)**				
4.1	Providing, installation, testing and commissioning of TV outlet face plate with 16 SWG back box, complete in all respects.	3	Nos.	N/A	N/A
4.2	Supply and installation of CATV 1x4 Way Splitter Box, complete in all respects.	1	Nos.	N/A	N/A
4.3	Supply and installation of CATV RG 6 Co-axial 75 ohms shielded cable in 25mm dia PVC conduit from box to TV outlet, complete in all respects. (Cabling on HOLD, only conduiting in Contractor's Scope)	410	Mtr.	180/-	73800/-
	CARRIED TO ELV SUMMARY ==>>>>				73800

BILL OF QUANTITIES
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA-PAKISTAN

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
5	**SELF CONTAINED EMERGENCY LIGHTS**				
5.1	Supply, installing, testing and commissioning of following items for self contained emergency lights with all fixing accessories as per drawing and specification, complete in all respect.				
i	8W, EXIT light with self contained Battery, 40m viewing, Surface mounted IP-20 as per specification and drawing complete in all respect. (non - maintained) (Type-P)	8	Nos.	N/A	N/A
	CARRIED TO ELV SUMMARY =====>>>>				

Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

HVAC WORK

Shah
Contractor

PROPRIETOR

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	HVAC Works	—
	SUB-TOTAL-A Rs.	—
	Add -------% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	—
	TOTAL-A Rs.	
B.	**(NON-SCHEDULE ITEMS)**	
1	DX- SPLIT TYPE AIRCONDITIONING UNITS	HOLD
2	HVAC FANS	85007
3	EVAPORATIVE AIR COOLER	HOLD
4	CONDENSATE PIPING	13370
5	DUCT WORKS & FLEXIBLE CONNECTOR	HOLD
6	AIR DEVICES	HOLD
7	HANGER & SUPPORTS	15000
8	CIVIL WORKS	10000
9	GENERAL MECHANICAL ITEMS	25007
	SUB-TOTAL-B Rs.	268700
	GRAND TOTAL CARRIED MASTER SUMMARY (A+B)	268700
		x2 537,400

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A		SCHEDULE ITEMS				
		AMOUNT CARRIED TO HVAC SUMMARY				

Ahmed Shah
Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LTD.

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B		**NON-SCHEDULE ITEMS**				
1		**DX- SPLIT TYPE AIRCONDITIONING UNITS** Supply, Installation, Testing & Commissioning of DX Split Air-conditioning Units, complete refrigerant piping, insulation, cladding, refrigerant tray, cable tray & acessories. Indoor unit with all sections and components given in the schedule and specifications of DX Split Air-conditioning Units, including uplifting / lowering, loading / unloading at site, complete in all respect and as directed by the Engineer incharge in following sizes and capacities.				
		GROUND FLOOR				
i		DX-01/CU-01 (1.0 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
ii		DX-02/CU-02 (1.0 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
iii		DX-03/CU-03 (1.0 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
		FIRST FLOOR				
i		DX-01/CU-01 (1.0 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				-

M/S D. ... Shah
Government ... Contractor
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
2		**HVAC FANS** Supply, installation, testing and commissioning of HVAC fans, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
		GROUND FLOOR				
i		TEF-01(800 cfm)	1	No.	15000	15000
ii		TEF-02(800 cfm)	1	No.	15000	15000
iii		TEF-03(800 cfm)	1	No.	15000	15000
iv		TEF-04(800 cfm)	1	No.	15000	15000
v		TEF-05(200 cfm)	1	No.	11500	11500
		FIRST FLOOR				
i		TEF-06(400 cfm)	1	No.	14000	14000
		AMOUNT CARRIED TO HVAC SUMMARY				85000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**EVAPORATIVE AIR COOLER** Supply, installation, testing and commissioning of Evaporative Air Cooler, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
i		EAC-01 to 27 (1800 cfm)	27	Nos.	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				-

M Nasseem Ahmed Shah
Government Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4		**CONDENSATE PIPING**				
a		Providing and fixing, uPVC Class 'E' pipes and fittings as per BS 3505 (EN 1401) for Condensate water drainage for AC & Water Cooler including fittings, bends, cuttings, filling etc. as indicated on drawings, as per specifications and Engineers approval.				
i		3/4" dia	550	Rft	70/-	38500
ii		1" dia	330	Rft	80/	26400
iii		1 1/4"" dia	80	Rft	115	8800
iv		1 1/2" dia	100	Rft	200/-	20000
v		2" dia	0	Rft		
b		**REFRIGERANT / COPPER PIPING & ELECTRIC WIRING**				
		Supply, Installation & Testing of Refrigerant copper piping for Future DX Split Air-conditioning Units, Including insulation, cladding, electric wiring , control cable & acessories as per specifications , complete in all respect and as directed by the Engineer incharge in following sizes and capacities.	1	Lot	40000	40000
		AMOUNT CARRIED TO HVAC SUMMARY				133700

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**DUCT WORKS** Supply, fabrication and installation of Sheet Metal hand made / machine fabricated Duct Work as shown on the drawings including all labour, material, accessories, tees, as where required complete in respect and to the satisfaction of engineer incharge.				
i		24 Gauge	1530	Sq.Ft	HOLD	HOLD
6		**FLEXIBLE DUCT CONNECTOR** Supply and installation of rubber impregnated canvas Flexible Duct Connector (imported type) between Evaporative Air Cooler and Duct Work as shown on the drawings including all labour, material, accessories, complete in respect and to the satisfaction of engineer incharge.	27	Nos	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				X -

M/S Nasir Ahmed Shah
Government Contractor
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**AIR DEVICES** Supply, installation, Testing & Commissioning of Air Devices included with back opposed blade volume controller with accessible key operator, as shown on the drawings and as specified in technical specifications including balancing of air flow rates, including all labour, material and accessories, complete in all respect and as directed by the Engineer incharge.				
i		**Supply Air Register** 18" x 30"	27	Nos	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**HANGER & SUPPORTS** Supply, installation, testing and commissioning of Galvanized Hanger and Supports for Refrigerant piping, all HVAC Equipments, as shown on the drawings and as specified in technical specification, complete with angle iron, rawal bolts, threading rods, nuts and bolts, wooden pieces, including the cost of cleaning, painting with corrosion resistant paint, jointing and welding, including all labour, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.	1	Lot	1 5000	15000
		AMOUNT CARRIED TO HVAC SUMMARY				15000

M/S [illegible] Ahmed Shah
Contractor
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**CIVIL WORKS** Making and cutting in walls, slabs and preparation of CC foundation for Condensing Unit and all other HVAC equipments in all other work such as Openings, Penetrations, Firestopping, Acoustic Cork sheet, Wooden Frame Sleeves and Pipe Sleeves, plaster finish etc as directed by Engineer Incharge, complete in all respect.	1	Job	10000/-	10000/-
		AMOUNT CARRIED TO HVAC SUMMARY				10000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**GENERAL MECHANICAL ITEMS**				
i		**SHOP DRAWINGS & AS BUILT DRAWINGS** Providing Shop Drawings and As Built Drawings in A1 size, as advised by the Consultant, complete in all respect.	1	Job	15000/-	15000
ii		**PAINTING & FINISHES** Providing Painting and Finishing,as directed by the Engineer Incharge, complete in all respect.	1	Job	10000/-	10000
		AMOUNT CARRIED TO HVAC SUMMARY				25000

M/S Naseem Ahmed Shah
Government Contractor
PROPRIETOR

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	HVAC Works	—
	SUB-TOTAL-A Rs.	—
	Add -----% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	—
	TOTAL-A Rs.	
B.	**(NON-SCHEDULE ITEMS)**	
1	HVAC FANS	36800/-
2	HANGER & SUPPORTS	20000/
3	CIVIL WORKS	150000/
5	GENERAL MECHANICAL ITEMS	250000/ —
	M/S [illegible] Government Contractor PROPRIETOR	
	SUB-TOTAL-B Rs.	428000 -
	GRAND TOTAL CARRIED MASTER SUMMARY (A+B)	428001 / -

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A		SCHEDULE ITEMS				
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B		**NON-SCHEDULE ITEMS**				
1		**HVAC FANS** Supply, installation, testing and commissioning of HVAC fans, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
		GROUND FLOOR				
i		KEF-01(2000 cfm)	1	No.	80000	80000
ii		KEF-02(2000 cfm)	1	No.	80000	80000
iii		KSF-01(1700 cfm)	1	No.	52000	52000
iv		KSF-02(1700 cfm)	1	No.	52000	52000
v		KEF-03(500 cfm)	1	No.	52000	52000
vi		KEF-04(500 cfm)	1	No.	52000	52000
		AMOUNT CARRIED TO HVAC SUMMARY				368000

M/s. Mansoor Ahmed Shah
Government Contractor

PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
2		**HANGER & SUPPORTS** Supply, installation, testing and commissioning of Galvanized Hanger and Supports for HVAC Fans, all HVAC Equipments, as shown on the drawings and as specified in technical specification, complete with angle iron, rawal bolts, threading rods, nuts and bolts, wooden pieces, including the cost of cleaning, painting with corrosion resistant paint, jointing and welding, including all labour, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.	1	Lot	2000	2000/-
		AMOUNT CARRIED TO HVAC SUMMARY				2000/-

M/s [illegible] Shah
Government Contractor
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**CIVIL WORKS** Making and cutting in walls, slabs for HVAC Fans and all other HVAC equipments in all other work such as Openings, Penetrations, Firestopping, plaster finish etc as directed by Engineer Incharge, complete in all respect.	1	Job	15000	15000
		AMOUNT CARRIED TO HVAC SUMMARY				15000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4		**GENERAL MECHANICAL ITEMS**				
i		**SHOP DRAWINGS & AS BUILT DRAWINGS** Providing Shop Drawings and As Built Drawings in A1 size, as advised by the Consultant, complete in all respect.	1	Job	15000	15000
ii		**PAINTING & FINISHES** Providing Painting and Finishing,as directed by the Engineer Incharge, complete in all respect.	1	Job	10000	10000
		AMOUNT CARRIED TO HVAC SUMMARY				25000 -

Contractor

PROPRIETOR

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	HVAC Works	—
	SUB-TOTAL-A Rs.	—
	Add -----% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	—
	TOTAL-A Rs.	
B.	**(NON-SCHEDULE ITEMS)**	
1	HVAC FANS	63000/-
2	EVAPORATIVE AIR COOLER	HOLD
3	DUCT WORKS & FLEXIBLE CONNECTOR	HOLD
4	AIR DEVICES	HOLD
5	HANGER & SUPPORTS	15000
6	CIVIL WORKS	10000/-
7	GENERAL MECHANICAL ITEMS	25000/-
	SUB-TOTAL-B Rs.	113000/-
	GRAND TOTAL CARRIED MASTER SUMMARY (A+B)	113000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A		SCHEDULE ITEMS				
		AMOUNT CARRIED TO HVAC SUMMARY				

Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B		**NON-SCHEDULE ITEMS**				
1		**HVAC FANS** Supply, installation, testing and commissioning of HVAC fans, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
		GROUND FLOOR				
i		TEF-01(400 cfm)	1	No.	14500	14500
ii		TEF-02(200 cfm)	1	No.	11500	11500
iii		TEF-03(400 cfm)	1	No.	14500	14500
iv		KEF-01(400 cfm)	1	No.	22500	22500
		AMOUNT CARRIED TO HVAC SUMMARY				63100

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
2		**EVAPORATIVE AIR COOLER** Supply, installation, testing and commissioning of Evaporative Air Cooler, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer incharge.				
i		EAC-01 to 10 (1800 cfm)	10	Nos.	—	—
		AMOUNT CARRIED TO HVAC SUMMARY			—	—

Saeed Ahmed Shah
Government Contractor
PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**DUCT WORKS** Supply, fabrication and installation of Sheet Metal hand made / machine fabricated Duct Work as shown on the drawings including all labour, material, accessories, tees, as where required complete in respect and to the satisfaction of engineer incharge.				
i.		24 Gauge	680	Sq.Ft	—	—
4		**FLEXIBLE DUCT CONNECTOR** Supply and installation of rubber impregnated canvas Flexible Duct Connector (imported type) between Evaporative Air Cooler and Duct Work as shown on the drawings including all labour, material, accessories, complete in respect and to the satisfaction of engineer incharge.	10	Nos	—	—
		AMOUNT CARRIED TO HVAC SUMMARY				—

PROP

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**AIR DEVICES** Supply, installation, Testing & Commissioning of Air Devices included with back opposed blade volume controller with accessible key operator, as shown on the drawings and as specified in technical specifications including balancing of air flow rates, including all labour, material and accessories, complete in all respect and as directed by the Engineer incharge.				
i		**Supply Air Register** 18" x 30"	10	Nos	—	—
		AMOUNT CARRIED TO HVAC SUMMARY			—	-

M/S Naeem Ahmed Shah
General Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**HANGER & SUPPORTS** Supply, installation, testing and commissioning of Hanger and Supports for Refrigerant piping, all HVAC Equipments, as shown on the drawings and as specified in technical specification, complete with angle iron, rawal bolts, threading rods, nuts and bolts, wooden pieces, including the cost of cleaning, painting with corrosion resistant paint, jointing and welding, including all labour, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.	1	Lot	15000/-	15000
		AMOUNT CARRIED TO HVAC SUMMARY				15000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**CIVIL WORKS** Making and cutting in walls, slabs and preparation of CC foundation for AIR COOLER and all other HVAC equipments in all other work such as Openings, Penetrations, Firestopping, Acoustic Cork sheet, Wooden Frame Sleeves and Pipe Sleeves, plaster finish etc as directed by Engineer Incharge, complete in all respect.	1	Job	10000/-	10000/-
		AMOUNT CARRIED TO HVAC SUMMARY				10000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**GENERAL MECHANICAL ITEMS**				
i		**SHOP DRAWINGS & AS BUILT DRAWINGS** Providing Shop Drawings and As Built Drawings in A1 size, as advised by the Consultant, complete in all respect.	1	Job	15000	15000
ii		**PAINTING & FINISHES** Providing Painting and Finishing,as directed by the Engineer Incharge, complete in all respect.	1	Job	10000	10000
		AMOUNT CARRIED TO HVAC SUMMARY				25000

M/S [illegible] Shah
Government Contractor

PROPRIETOR

EA CONSULTING PRIVATE LIMITED

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	HVAC Works	—
	SUB-TOTAL-A Rs.	—
	Add-------% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	—
	TOTAL-A Rs.	
B.	**(NON-SCHEDULE ITEMS)**	
1	DX- SPLIT TYPE AIRCONDITIONING UNITS	—
2	HVAC FANS	149000/-
3	CONDENSATE PIPING	19420/-
4	HANGER & SUPPORTS	15000/-
5	CIVIL WORKS	20000/-
6	GENERAL MECHANICAL ITEMS	20000/-
	SUB-TOTAL-B Rs.	398200/-
	GRAND TOTAL CARRIED MASTER SUMMARY (A+B)	398200/-

PROP

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A		SCHEDULE ITEMS				
		AMOUNT CARRIED TO HVAC SUMMARY				

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B		NON-SCHEDULE ITEMS				
1		**DX- SPLIT TYPE AIRCONDITIONING UNITS** Supply, Installation, Testing & Commissioning of DX Split Air-conditioning Units, complete refrigerant piping, insulation, cladding, refrigerant tray, cable tray, thermostat & acessories. Indoor unit with all sections and components given in the schedule and specifications of DX Split Air-conditioning Units, including uplifting / lowering, loading / unloading at site, complete in all respect and as directed by the Engineer incharge in following sizes and capacities.				
		GROUND FLOOR				
i		DX-01/CU-01 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
ii		DX-02/CU-02 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
iii		DX-03/CU-03 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
iv		DX-04/CU-04 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
v		DX-05/CU-05 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
vi		DX-06/CU-06 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
vii		DX-07/CU-07 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
viii		DX-08/CU-08 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
ix		DX-09/CU-09 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
x		DX-10/CU-10 (1.5 TR Capacity Wall Mounted	1	No.	HOLD	HOLD
		AMOUNT CARRIED TO HVAC SUMMARY				

M/s Naeem Ahmed Shah
Government Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
2		**HVAC FANS** Supply, installation, testing and commissioning of HVAC fans, as per equipment schedule, as shown on the drawings including all labour, material and accessories, complete in all respect and to the satisfaction of engineer **GROUND FLOOR**				
i		TEF-01~05, 07~11(200 cfm)	10	No.	11508/-	115000/-
ii		TEF-06(200 cfm)	1	No.	11508/-	11508/-
iii		KEF-01(400 cfm)	1	No.	22000/-	22000/-
		AMOUNT CARRIED TO HVAC SUMMARY				149000/-

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**CONDENSATE PIPING**				
a		Providing and fixing, uPVC Class 'E' pipes and fittings as per BS 3505 (EN 1401) for Condenate water drainage including fittings, bends, cuttings, filling etc. as indicated on drawings, as per specifications and Engineers approval.				
i		3/4" dia	760	Rft	70/-	53200/-
ii		1" dia	380	Rft	85/-	32300/-
iii		1 1/4"" dia	60	Rft	110/-	6600/-
iv		1 1/2" dia	20	Rft	200/-	4000/-
v		2" dia	0	Rft		
		REFRIGERANT / COPPER PIPING & ELECTRIC WIRING				
b		Supply, Installation & Testing of Refrigerant copper piping for Future DX Split Air-conditioning Units, Including insulation, cladding, electric wiring , control cable & acessories as per specifications , complete in all respect and as directed by the Engineer incharge in following sizes and capacities.	1	Lot	100000/-	100000/-
		AMOUNT CARRIED TO HVAC SUMMARY				194200/-

Muhammad Shah
Government Contractor
PROPRIETOR

EA CONSULTING (PRIVATE) LIMITED

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4		**HANGER & SUPPORTS** Supply, installation, testing and commissioning of Galvanized Hanger and Supports for Refrigerant piping, all HVAC Equipments, as shown on the drawings and as specified in technical specification, complete with angle iron, rawal bolts, threading rods, nuts and bolts, wooden pieces, including the cost of cleaning, jointing and welding, including all labour, material and accessories, complete in all respect and to the satisfaction of Engineer Incharge.	1	Lot	15000/-	15000/-
		AMOUNT CARRIED TO HVAC SUMMARY				15000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**CIVIL WORKS** Making and cutting in walls, slabs and preparation of CC foundation for Condensing Unit and all other HVAC equipments in all other work such as Openings, Penetrations, Firestopping, Acoustic Cork sheet, Wooden Frame Sleeves and Pipe Sleeves, plaster finish etc as directed by Engineer Incharge, complete in all respect.	1	Job	20007/-	20007/-
		AMOUNT CARRIED TO HVAC SUMMARY				20,000/-

M/s Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**GENERAL MECHANICAL ITEMS**				
i		**SHOP DRAWINGS & AS BUILT DRAWINGS** Providing Shop Drawings and As Built Drawings in A1 size, as advised by the Consultant, complete in all respect.	1	Job	10000/-	10,000/-
ii		**PAINTING & FINISHES** Providing Painting and Finishing,as directed by the Engineer Incharge, complete in all respect.	1	Job	10000/-	10,000/-
		AMOUNT CARRIED TO HVAC SUMMARY				20,000/-

S B B G C C L

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE

LARKANA, PAKISTAN

PACKAGE-D

EXTERNAL DEVELOPMENT &

BOUNDARY WALL

TENDER DOCUMENTS

- CONDITIONS OF CONTRACT
- BILL OF QUANTITIES (BOQ)
- SPECIFICATIONS
- DRAWINGS
  (SEPARATELY BINDED)

EA Consulting Pvt Ltd

Head Office:AL-9, 15th Lane, Khayaban-e-Hilal,Phase 7,
Defence Housing Authority, Karachi. 75500 - Pakistan
Phone No. 111-111-584, Fax No. 584-1825
Email : info@eaworld.com | www.eaworld.com

December, 2018

This is issued to M/s Naseem Ahmed Shah.

1/4/19

S B B G C C L

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE

LARKANA, PAKISTAN

PACKAGE-D

EXTERNAL DEVELOPMENT & BOUNDARY WALL

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December, 2018

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INVITATION FOR BIDS

PRE-QUALIFIED FIRMS ARE INVITED TO PARTICIPATE IN THE BID BY THE PROCURING AGENCY

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

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

A. GENERAL

IB.1 Scope of Bid

1.1 The Procuring Agency as defined in the Bidding Data hereinafter called "the Procuring Agency" wishes to receive bids for the construction and completion of works as described in these Bidding Documents, and summarised in the Bidding Data hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in para-6 of Appendix-A to Bid.

IB.2 Source of Funds

2.1 The Procuring Agency has applied for/received [illegible]n/credit from the source (s) indicated in the Bidding Data in various currencies towards the cost of the project specified in the Bidding Data, and intended that part of the proceeds of this loan/credit will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

Not applicable

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open for Pre-Qualified Contractors.

IB.4 One Bid per Bidder

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Procuring Agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Procuring Agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of such inspection.

B. BIDDING DOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I (GCC).
4. Particular Conditions of Contract, Part-II (PCC).
5. Specifications – Special Provisions.
6. Specifications - Technical Provisions.
7. Form of Bid & Appendices to Bid.
8. Bill of Quantities (Appendix-D to Bid).
9. 2% Bid Security in shape of call deposit/pay order/demand draft issued by any scheduled bank of Pakistan in favor of **"Shaheed Benazir Bhutto Girls Cadet College Larkana"**
10. Form of Contract Agreement.
11. Forms of Performance Security and Mobilization Advance Bank Guarantee.
12. Drawings.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids/NIT. The Procuring Agency will respond to any request for clarification provided they are received at least five calender days prior to the date of opening of bid.

Provided that any clarification in response to query by any bidder; shall be communicated to all parties who have obtained bidding documents.

IB.9 Amendment of Bidding Documents

9.1 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

9.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.

9.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Procuring Agency may extend the deadline for submission of bids in accordance with Clause IB.20.

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Procuring Agency shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

(a) submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder;

(b) update the information indicated and listed in the Bidding Data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents which as a minimum, would include the following :

(i) Evidence of access to financial resources alongwith average annual construction turnover;
(ii) Financial predictions for the current year and the two following years including the effect of known commitments;
(iii) Work commitments since prequalification;
(iv) Current litigation information; and
(v) Availability of critical equipment.

and

(c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid	Proposed Construction Schedule
Appendix-F to Bid	Method of Performing the Work
Appendix-G to Bid	List of Major Equipment
Appendix-K to Bid	Organization Chart for Supervisory Staff

and other pertinent information such as mobilization programme etc;

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:-

(a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners;

(b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

(c) the partner-in-charge shall always be duly authorized to deal with the Procuring Agency regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;

(d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para(b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid)

(e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Procuring Agency.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates 2012 (Government of Sindh), as the case may be.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates 2012 (Government of Sindh) if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates 2012 (Government of Sindh)

12.3 The Bid price submitted by the contractor shall include all rates and prices including the taxes. All Duties, taxes and other levies payable by the contractor under the contract.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2 of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Procuring Agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid.

13.2 The rates of exchange to be used by the bidder for currency conversion shall be the TT&OD Selling Rates published or authorized by the State Bank of Pakistan prevailing on the date 28 days prior to the deadline for submission of bids.

For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the contract.

Not applicable

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Procuring Agency may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security (2% of bid value) in the amount in shape of call deposit/pay order/demand draft and in the form as stipulated in the Bidding Data (sub-para 15.1) in Pak Rupees .

15.2 The Bid Security shall be, at the option of the bidder, in shape of call deposit/pay order/demand draft issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period 28 days beyond the Bid Validity date.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.

15.4 The bid securities shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or validity period has expired.

15.5 The Bid Security of the successful bidder will not be returned but will be adjusted as part of Retention Money.

15.6 The Bid Security may be forfeited:

(a) if the bidder withdraws his bid except as provided in Sub-Clause 22.1;

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or

(c) In the case of successful bidder, if he fails within the specified time limit to furnished the required Performance Security; sign the Contract Agreement or Furnish the required JV agreement within 7 days of the receipt of letter of acceptance (if applicable).

IB.16 Alternate Proposals by Bidder

16.1 Each Bidder shall submit only one bid either by himself, or as a member of joint venture.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Procuring Agency for the award of Contract to such bidder.

Not-applicable

IB.17 Pre-Bid Meeting

17.1 The Procuring Agency may, on his own motion or at the request of any bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all concerned bidders or their authorized represnentatives shall be invited to attend such a pre-bid meeting at their own expenses.

17.2 The Concerned bidders are requested to submit questions, if any, in writing so as to reach the Procuring Agency not later than seven (7) days before the proposed pre-bid meeting as mentioned in sub-para 17.1 of Bidding Data.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Procuring Agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations

one (1) original and 2 copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and 'COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialled and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the Procuring Agency, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit his bid as under:-

(a) ORIGINAL and 2 copies of the Bid shall be separately sealed and put in separate envelopes and marked as such.

(b) The envelopes containing the ORIGINAL and 2 copies will be put in one sealed envelope and addressed / identified as given in Sub- Clause 19.2 hereof.

19.2 The inner and outer envelopes shall:-

(a) be addressed to the Procuring Agency at the address provided in subpara-1.1 of the Bidding Data;

(b) bear the name and identification number of the contract as defined as mentioned in sub-para-1.2 in the Bidding Data; and

(c) provide a warning not to open before the time and date for bid opening, as specified in the Bidding Data.

19.3 In addition to the identification required in Sub- Clause 19.2 hereof, the inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" pursuant to Clause IB.21

19.4 If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.

IB.20 Deadline for Submission of Bids

20.1 (a) Bids must be received by the Procuring Agency at the address specified no

later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail or courier, if a bidder wishes to receive an acknowledgment of receipt of his bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

Not applicable

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Agency may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Procuring Agency and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1 (a) Any bid received by the Procuring Agency after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

(b) Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.

22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Procuring Agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in

the Bidding Data. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.

23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Procuring Agency may consider appropriate, will be announced by the Procuring Agency aloud at the opening of bids.

23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring Agency shall announce he results of bid evaluation in form of report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if its website exists and intimated to all bidders at least 7 (seven) days prior to the award of contract. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Procuring Agency's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison of bids, the Procuring Agency may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Procuring Agency will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Agency's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Procuring Agency for any arithmetic errors. Errors will be corrected by the Procuring Agency as follows:

(a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Procuring Agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Procuring Agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.

28.2 In evaluating the Bids, the Procuring Agency will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:

(a) making any correction for errors pursuant to Clause IB.27;

(b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Daywork; and

(c) making an appropriate adjustment for any other acceptable variation or deviation.

28.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.

28.4 If Bid of successful bidder is found seriously unbalanced in relation to the Procuring Agency's estimate of cost of work to be performed under the Contract, the Procuring Agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Procuring Agency may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Procuring Agency against financial loss in the event of default of the successful bidder under the Contract.

28.5 The Government of Sindh requires that Procuring agency's (including

beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;

(i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

28.6 **Evaluation Report (SPP Rule 45)**

After the completion of evaluation process, as described in the clauses IB 27 IB 28, the procuring agency shall announce the results of bid evaluation in form of report (available on the website of the authority) giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the authority and that of procuring agency it its website exists and intimated to all bidders at least seven (7) dayd prior to the award of contract.

F. AWARD OF CONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3 and qualify pursuant to Sub-Clause IB 29.2.

29.2 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence.

Provided that such qualification shall only be laid down after recording reasons

therefor in writing. They shall form part of the records of that bid evaluation report.

IB.30 Procuring Agency's Right to Accept any Bid and to Reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Procuring Agency reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Procuring Agency will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, Procuring Agency may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Procuring Agency and the bidder till signing of the formal Contract Agreement.

31.4 Upon signing of contract with successful bidder the Procuring Agency will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

31.5 Within seven (7) days of the award of contract, procuring agency shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and following information:

(1) Evaluation Report
(2) Form of Contract and Letter of Award
(3) Bill of Quantities or Schedule of Requirement

31.6 **Debriefing (SPP Rule 51)**

(a) A Bidder may ask the Procuring Agency for reasons for non acceptance of his bid and may request for a debriefing meeting and Procuring Agency shall give him the reasons for such non acceptance, either in writing or by holding a debriefing meeting with such a bidder.

(b) The requesting bidder shall bear all the costs of attending such a debriefing.

IB.32 Performance Security (SPP Rule 39)

32.1 The successful bidder shall furnish to the Procuring Agency, a performance security of an amount equal to 10% of the contract price in the form of a bank guarantee as stipulated in the bidding Data and the Conditions of Contarct within fourteen (14) days after the receipt of letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

32.3 Validity of performance security shall extend at least three sixty four (364) days beyond the date of completion of contract to cover defects liability periods as mentioned in Appendix A to bid subject to final acceptance by the procuring agency.

IB.33 Signing of Contract Agreement (SPP Rule 39)

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Procuring Agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Procuring Agency.

33.3 A Procurement contract shall come into force when the Procuring Agency requires signs contract, the date on which the signatures of both the Procuring Agency and the successful bidder are affixed to the written contract. Such affixing of signatures shall take place within the time prescribed in the bidding documents.

Provided that the Procuring Agency may reduce the maximum time limit for signing of contract, as and when required, and shall be mentioned in the bidding documents.

33.4 **Stamp Duty**

The formal agreement between Procuring Agency and the successful bidder shall be duly stamped at the rate of 0.35% of bid price (updated from time to time) stated in the letter of acceptance.

IB.34 General Performance of the Bidders

The Procuring Agency may in case of inconsistent/ poor performance of the contractor and his failure to remedy the under performing contract may take such action as may be deemed appropriate under the circumstances of the case including the rescinding the contract and /or black listing of such contractors and debarring him from participation in future bidding process also refer the case of the contractor to the Pakistan Engineering Council (PEC) upon such reference PEC in accordance with its rules, procedures and relevant laws of the land take such actions as may be deemed appropriate under the circumstances of the case.

IB.35 Integrity Pact (SPP Rule 89)

The Bidder shall sign and stamp the Integrity Pact provided at Appendix to Bid in the Bidding Documents for all Provincial/Local Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

IB.37 Arbitration (SPP Rule 34)

Any dispute that is not amicably resolved shal be finally settled, unless otherwise specified in the contract, under the arbitration act 1940 updated from time to time and would be held anywhere in province of Sindh at the discretion of Procuring Agency.

BIDDING DATA

BD-2

BIDDING DATA

The following specific data for the Works to be bided shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

Instructions to Bidders
Clause Reference

1.1 Name and address of the Procuring Agency:

Shaheed Benazir Bhutto Girls Cadet College Larkana

1.2 Name of the Project and Summary of the Works:

The name of the Works is "Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-D" which includes the External Development and Boundary Wall

2.1 Name of the Borrower/Source of Financing/Funding Agency:

Sindh Government Funds

8.1 Time limit for clarification:

Minimum number of days to seek clarification by the prospective Bidder shall be seven (7) calender days prior to the Date of Opening of Tender.

10.1 Languages:

English

13.1 Bidders to quote entirely in Pak. Rupees.

14.1 Period of Bid validity:

Bid shall be valid for 90 days from the date of opening of bid.

15.1 Amount of Bid Security:

Bid Security in form of Call Deposit / Pay Order/ Demand Draft of the amount at **2% of the Bid Price** in favor of **Project Director Shaheed Benazir Bhutto Girls Cadet College Larkana** which shall remain Valid for a period of 28 days beyond the validity period of bids mentioned in para 14.1 above.

18.4 Number of copies of the Bid to be completed and returned:

One original of all Volumes (I, II, III and IV) and two copies of Volume-III (Bill of Quantities) as hard copy

19.2(a) Procuring Agency's address for the purpose of submission:

Shaheed Benazir Bhutto Girls Cadet College Larkana

19.2(b) Name and Number of the Contract:

"Shaheed Benazir Bhutto Girls Cadet College Larkana, Package-D"

20.1(a) Deadline for submission of Bids:

Bids shall be received at Pricuring Agency's Address mentioned in para 19.2(a) above not later than 14:00 Hours on _____ 2018.

23.1 Venue, time, and date of opening:

Bids shall be opened at 15:00 hours on _____ 2018.

32.1 Standard form and amount of Performance Security acceptable to the Procuring Agency:

Performance Security shall be of an amount equal to 10% of the contract price submitted in shape of a **bank guarantee or pay order or demand draft** valid till the expiry of defects liability period defined in Appendix-A to bid.

32.2 Stamp Duty

0.35% of bid price will be paid by successful bidder as stamp duty.

FORM OF BID
AND
APPENDICES TO BID

FB-1

FORM OF BID

Bid Reference No. **Shaheed Benazir Bhutto Girls Cadet College Larkana – Package-D.**

To:

Project Director,
Shaheed Benazir Bhutto
Girls Cadet College,
Larkana

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to you and valid for a period of _____days beginning from the date bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other Bidder for the Works.

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____day of_____20_____

Signature: _____

In the capacity of _____duly authorized to sign bids for and on behalf of

_____
(Name of Bidder in Block Capitals)
(Seal)

FB-2

Address:_____
_____
_____

Witness:

Signature: _____
Name: _____

Address. _____
_____

Occupation_____

BA-1
Appendix-A to Bid

SPECIAL STIPULATIONS

Clause
Conditions of Contract

For ease of reference, certain information and Special Stipulations applicable to the contract, which are the subject of this Bid, are set forth herein. Where these Conditions conflict with the provisions or requirement set forth elsewhere in the Contract Document, the Conditions as given in Appendix-A to Bid shall govern.

1.	Engineer's Authority to issue Variation in emergency	2.1	—	**Not Applicable**
2.	Time of submission & Amount Performance Security	10.1	With in **14 (Fourteen)** calender days of LOA for an amount of **10% (Ten percent)** of the contract Amount stated in the LOA in the form of irrevocable bank guarantee.	
3.	Time for Furnishing Programme	14.1	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
	Time for Furnishing Cash Flow	14.3	Within **30 (Thirty) calendar days** following receipt of the Letter of acceptance (LOA).	
4.	Minimum amount of Third Party Insurance	23.2	**2% (Two Percent)** of the contact amount per occurrence. No. of occurrences unlimited.	
5.	Time for Commencement	41.1	Within **14 (Fourteen) calendar days** from the date of receipt of Engineer's Notice to Commence which shall be issued within **14 (Fourteen) calendar days** after signing of Contract Agreement.	
6.	Time for Completion	43.1, 48.2	**12 months** from the date of receipt of Engineer's Notice to Commence.	

7.	Amount of Liquidated Damages	47.1	**0.1% of the contact value** for each day of delay in completion of the Works subject to a **maximum of 10% of Contract Price** stated in the Letter of Acceptance.	
8.	Defects Liability Period	49.1	**12 months** from the effective date of Taking Over Certificate.	
9.	Percentage of Retention Money	60.2	**10%** of the amount of Interim/running Payments	
10.	Limit of Retention Money	60.2	**5%** of Contract Price to be stated in the letter of acceptance.	
11.	Minimum amount of Interim Payment Certificates (Running Bills)	60.2	____	**Not Applicable**
12.	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Procuring Agency	60.10	28 days in case of local currency.	
13.	Mobilization Advance (Interest Free)	60.12	**10% of Contract Price** stated in the Letter of Acceptance.	

BB-1

Appendix-B to Bid

FOREIGN CURRENCY REQUIREMENTS

1. The Bidder may indicate here in below his requirements of foreign currency (if any), with reference to various inputs to the Works.

Not applicable

2. Foreign Currency Requirement as percentage of the Office excluding Provisional Sums _____%.

3. Table of Exchange Rates

Unit of Currency	**Equivalent in Pak. Rupees**
Australian Dollar	----------
Euro	----------
Japanese Yen	----------
U.K. Pound	----------
U.S. Dollars	----------
----------	----------
----------	----------

BC-1

Appendix-C to Bid

PRICE ADJUSTMENT UNDER CLAUSE 70

OF CONDITIONS OF CONTRACT

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 70 shall be as follows:

(To be filled by the Procuring Agency)

Cost Element	Description	Weightages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.60	
(ii)	Local Labour**	0.20	Government of Pakistan (GP)- Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags	0.06	
(iv)	Reinforcing Steel	0.12	
(v)	High Speed Diesel (HSD)	0.02	
	Total	**1.00**	

** Percentage increase of the cost of Unskilled Labour as arrived from the above Monthly Statistical Bulletin shall be applicable to the Skilled Labour of any trade as well. Unskilled Labour wages represent that of skilled labour wages of all categories.

Notes:

1) Indices for "(i)" to "(v)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

3) Any price adjustment shall be worked out only by taking the difference between the base cost indices or prices stated in the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin 28 days prior to the latest day for submission of bids and those indices or prices applying 28 days prior to the last day of the billing period taken from.

The actual amount of above stated adjustments shall be calculated as stipulated in clauses 70.1 of the Particular Conditions.

BD-1

Appendix-D to Bid

BILL OF QUANTITIES

See separate volume - III

BE-1

Appendix-E to Bid

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the Works and parts of the Works may meet Procuring Agency's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Whole Works	_____ days
b)	Part-A	_____ days
c)	Part-B	_____ days
d)	_____	_____ days
e)	_____	_____ days

BF-1

Appendix-F to Bid

METHOD OF PERFORMING THE WORK

[The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.]

BG-1

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT – RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

BG-2

Appendix-G to Bid

LIST OF MAJOR EQUIPMENT

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

BH-1

Appendix-H to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

The Contractor shall provide description of his construction camp's facilities and staff housing requirements.

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

1. Site Preparation (clearing, land preparation, etc.).

2. Provision of Services.

    a) Power (expected power load, etc.).

    b) Water (required amount and system proposed).

    c) Sanitation (sewage disposal system, etc.).

3. Construction of Facilities

    a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).

    b) Warehouses and Storage Areas (area required, type of construction and layout).

    c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).

4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).

5. Other Items Proposed (Security services, etc.).

BI-1

Appendix-I to Bid

LIST OF SUBCONTRACTORS

I/We intend to subcontract the following parts of the Work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Part of Works (Give Details)	Subcontractor (With Complete Address)
1	2

BJ-1

Appendix-J to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

Quarter/ Year/ Period	Amounts (1,000 Rs.)
1	2
1st Quarter	
2nd Quarter	
3rd Quarter	
4th Quarter	
5th Quarter	
6th Quarter	
7th Quarter	
8th Quarter	
9th Quarter	
Bid Price	

BK-1

Appendix-K to Bid

ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR

BL-1

Appendix-L to Bid

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS. 10.00 MILLION OR MORE

Contract No._____ Dated _____
Contract Value: _____
Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer: .....
Signature: .....
[Seal]

Name of Seller/Supplier: .....
Signature: .....
[Seal]

FORMS

BID SECURITY
PERFORMANCE SECURITY
CONTRACT AGREEMENT
MOBILIZATION ADVANCE GUARANTEE/BOND

BS-1

BID SECURITY

(Bank Guarantee)

(On the required value of non-judicial Stamp Paper of the Government of Pakistan)

Security Executed on _____
(Date)

Name of Surety (Bank) with Address: _____
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address _____

_____

Penal Sum of Security Rupees. _____(Rs. _____)

Bid Reference No. _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto _____

(hereinafter called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying Bid dated _____ for Bid No. _____ for_____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said Bid that the Bidder furnishes a Bid Security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the Procuring Agency, conditioned as under:

(1) that the Bid Security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to Bidders or as it may be extended by the Procuring Agency, notice of which extension(s) to the Surety is hereby waived;

(2) that the Bid Security of unsuccessful Bidders will be returned by the Procuring Agency after expiry of its validity or upon signing of the Contract Agreement; and

(3) that in the event of failure of the successful Bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said Procuring Agency pursuant to Clause 15.6 of the Instruction to Bidders for the successful Bidder's failure to perform.

NOW THEREFORE, if the successful Bidder shall, within the period specified therefor, on the prescribed form presented to him for signature enter into a formal Contract with the said Procuring Agency in accordance with his Bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

BS-2

PROVIDED THAT the Surety shall forthwith pay the Procuring Agency the said sum upon first written demand of the Procuring Agency (without cavil or argument) and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the Procuring Agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature _____

1. _____

Name _____

_____

Title _____

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. _____

_____

Name, Title & Address

PS-1

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address:_____
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address:_____
_____

Penal Sum of Security (express in words and figures)_____
_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PS-2

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____
Guarantor (Bank)

Witness:

1. _____

_____
Corporate Secretary (Seal)

2. _____

_____
Name, Title & Address

Signature _____

Name _____

Title _____

_____
Corporate Guarantor (Seal)

CA-1

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of_____(month) 20____ between _____ (hereafter called the "Procuring Agency") of the one part and _____ (hereafter called the "Contractor") of the other part.

WHEREAS the Procuring Agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) The Contract Agreement;
   (b) The Letter of Acceptance;
   (c) The completed Form of Bid;
   (d) Special Stipulations (Appendix-A to Bid);
   (e) The Particular Conditions of Contract – Part II;
   (f) The General Conditions – Part I;
   (g) The completed Appendices to Bid (B, C, E to L);
   (h) The Drawings;
   (i) The Specifications; and
   (j) Any other document forming part of the Contract

3. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

_____

(Seal)

Signature of Procuring Agency

_____

(Seal)

CA-2

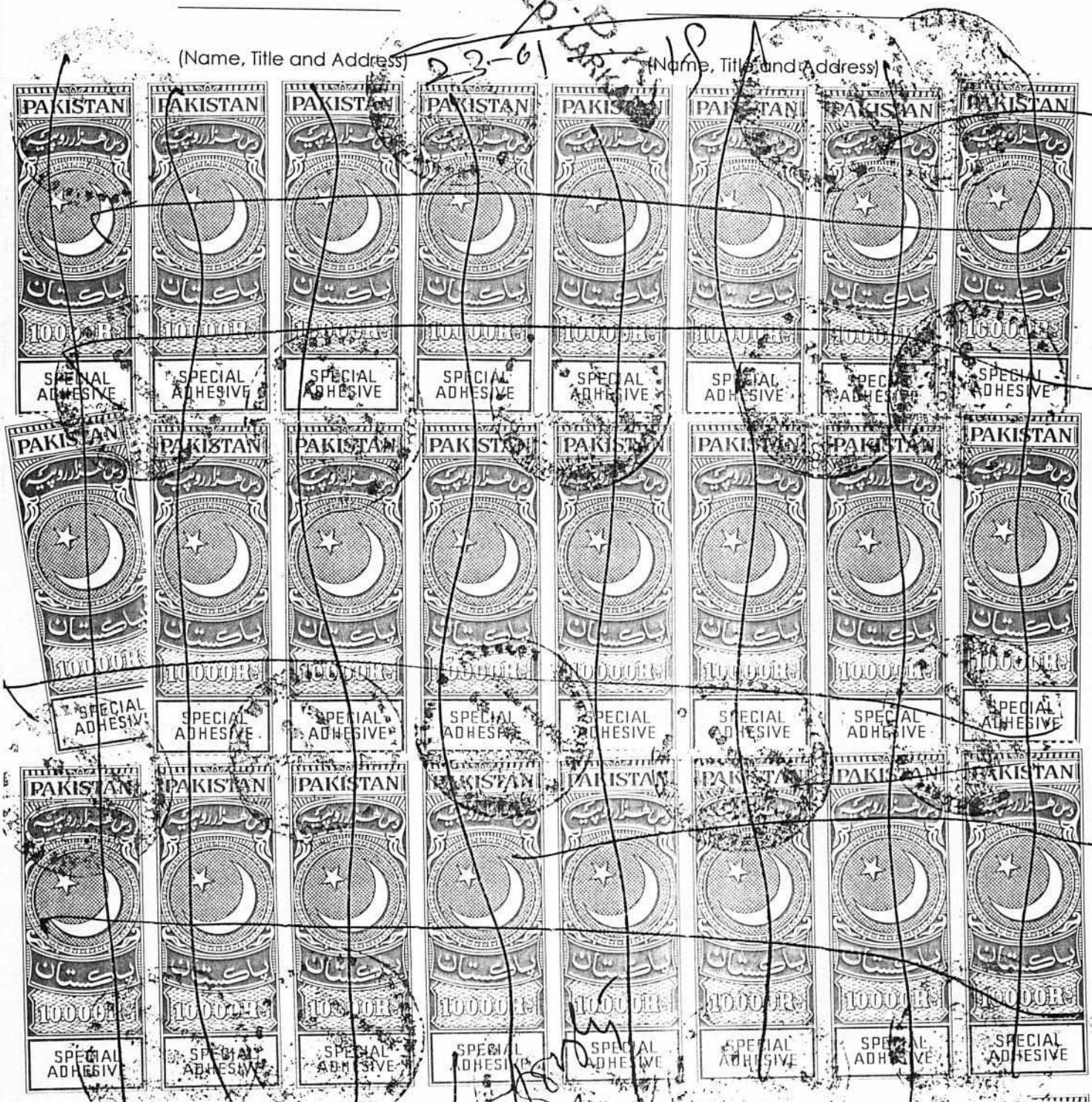
Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)



MG-1

MOBILIZATION ADVANCE GUARANTEE
(Bank Guarantee)

Guarantee No._____ Date _____

WHEREAS _____ (hereinafter called the 'Procuring Agency') has entered into a Contract for _____
(Particulars of Contract)
with _____ (hereinafter called the "Contractor').

AND WHEREAS, the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees _____ (Rs _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Agency has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, _____
(Scheduled Bank in Pakistan)
(hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until _____whichever is earlier.
(Date)
The Gudrantor's liability under this Guarantee shall not in any case exceed the sum of Rupees _____ (Rs _____).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

MG-2

GUARANTOR

1. Signature _____
2. Name _____
3. Title _____

WITNESS

1. _____

_____

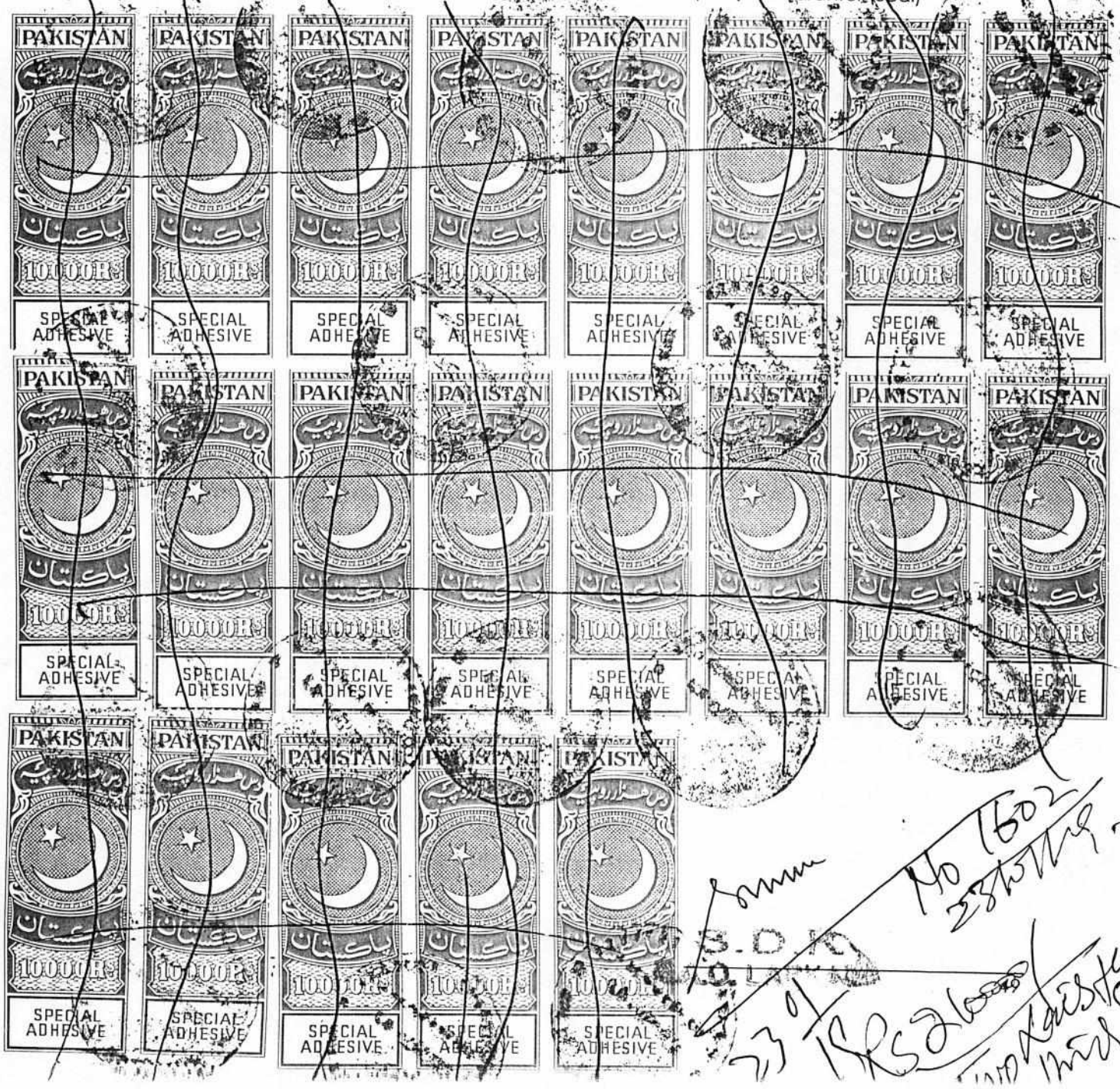
Corporate Secretary (Seal)

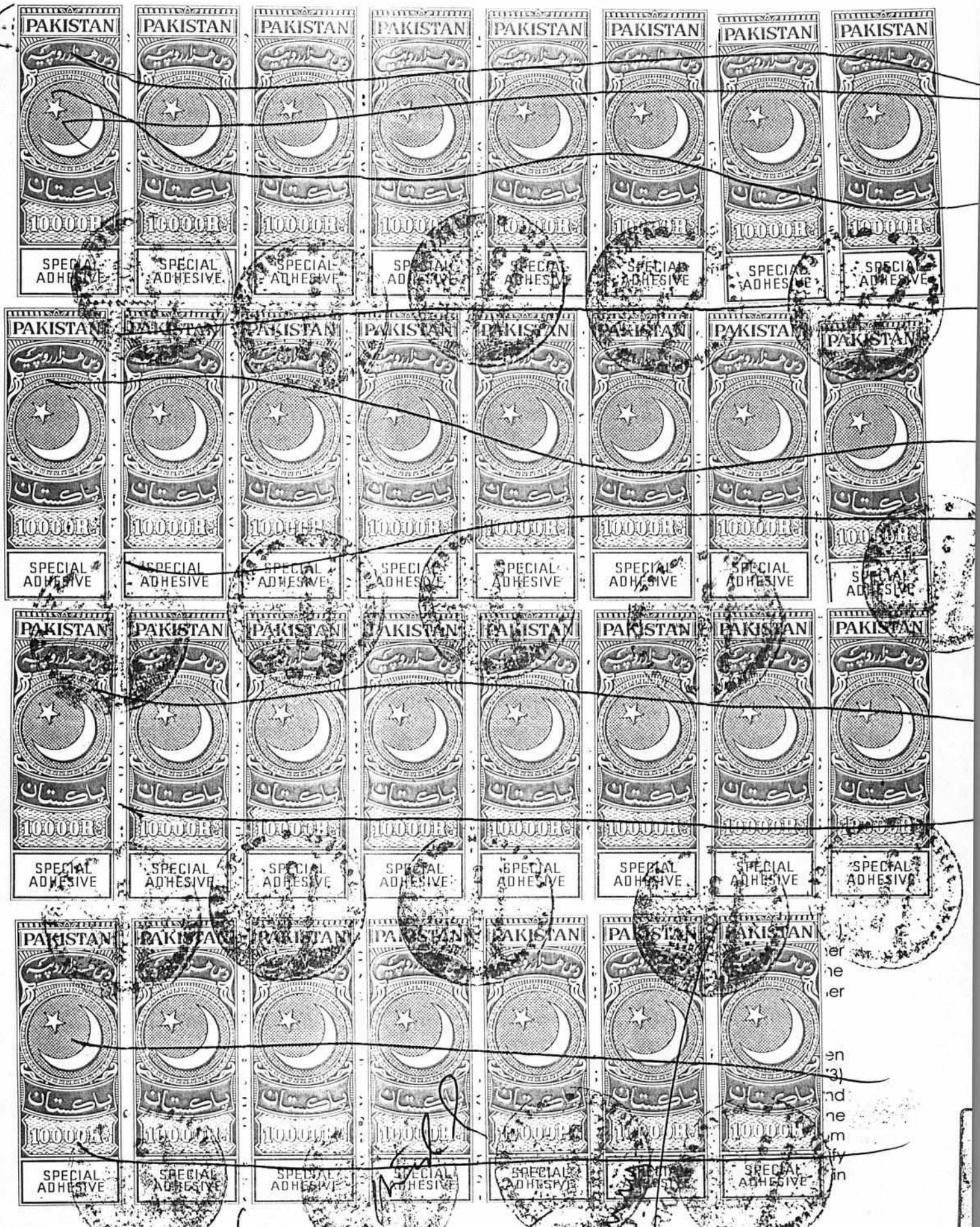
2. _____

(Name Title & Address)

_____

Corporate Guarantor (Seal)

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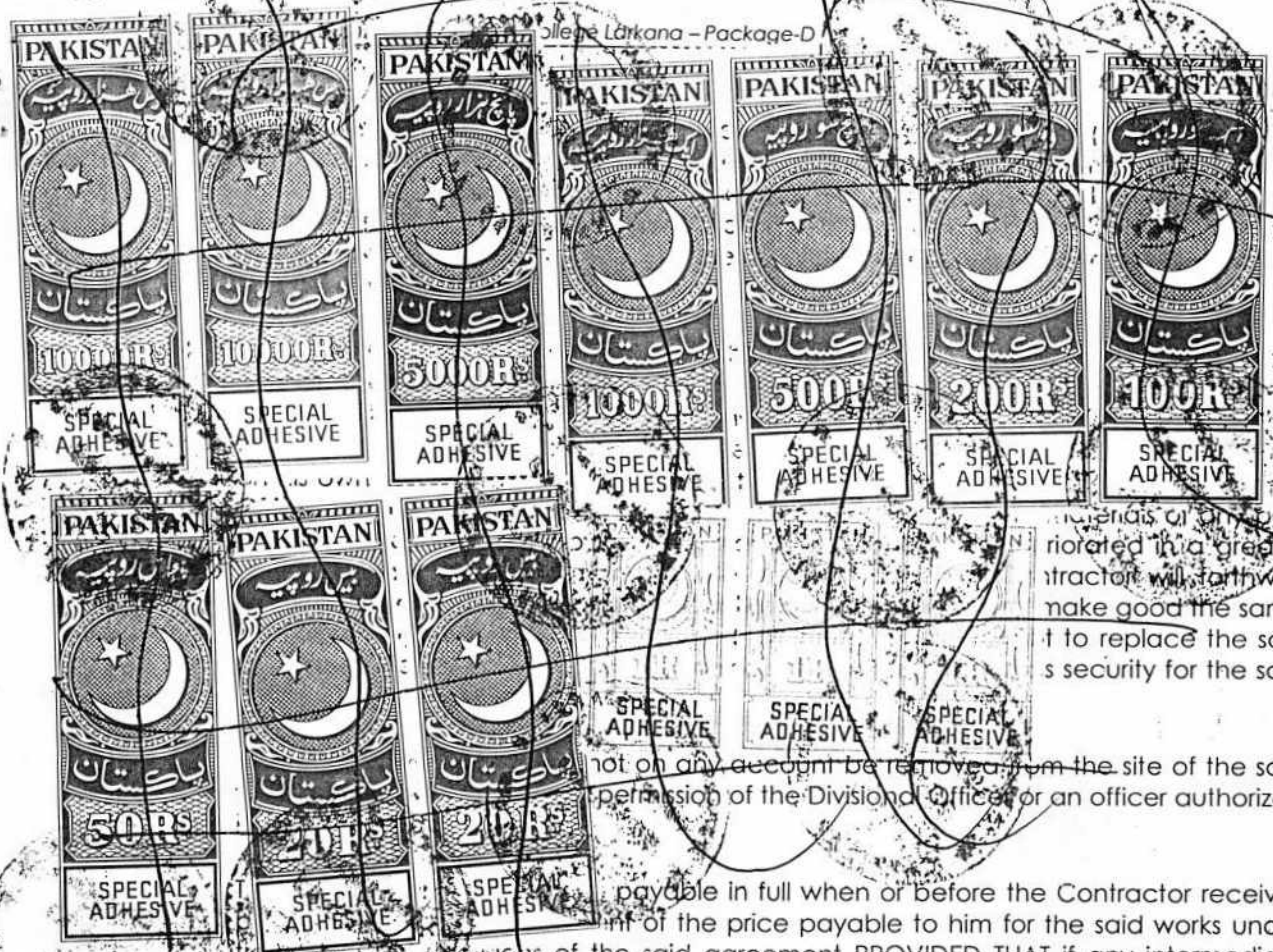

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...s security for the said

...not on any account be removed from the site of the said
...permission of the Divisional Officer or an officer authorized

...payable in full when or before the Contractor receives
...nt of the price payable to him for the said works under
...provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

...at if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the (74) enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees..... ..... (Rs. .....) and any further sum or sums which may be advanced as aforesaid and all costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be

paid to accordingly.

Once there with the Government may at any time thereafter adopt all or any of following courses as it may deem best ;-

a. Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.

b. Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.

c. Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreementCircle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Signed, sealed and delivered by*

In the presence of 1 st witness

2nd witness *

PART 1 - GENERAL CONDITIONS

GENERAL CONDITIONS OF CONTRACT

PREPARED BY

THE PAKISTN ENGINEERING COUNCIL

(VERSION NOVEMBER 2007) FOR

THE WORKS OF

CIVIL ENGINEERING CONSTRUCTION

Bidder is supposed to possess a copy with him

PART II – PARTICULAR CONDITIONS

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PART II - PARTICULAR CONDITIONS OF CONTRACT

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PART II - PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

(a) (i) The Procuring Agency & its representative is
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

(a) (iv) The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

The following paragraph is added:

(a)(vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.

(b)(v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

(b)(ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.

(e)(i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Procuring Agency before carrying out his duties in accordance with the following Clauses:

(i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".

(ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".

(iii) Any action under Clause 10 "Performance Security" and Clauses 21, 23, 24 & 25 "Insurance" of sorts.

(iv) Any action under Clause 40 "Suspension".

(v) Any action under Clause 44 "Extension of Time for Completion".

(vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).

(vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51,except:

a) in an emergency* situation, as stated herebelow, or

b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

(ix) Fixing rates or prices under Clause 52.

(x) Extra payment as a result of Contractor's claims under Clause 53.

(xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".

(xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.

(xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.

(xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

(Note: Procuring Agency may further vary according to need of the project)

* (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Procuring Agency.)

2.2 Engineer's Representative

The following paragraph is added:

The Procuring Agency shall ensure that the Engineer's Representative is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Procuring Agency intends to replace the Engineer, the Procuring Agency shall, not less than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Procuring Agency shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Procuring Agency, with supporting particulars."

5.1 Language(s) and Law

(a) The Contract Documents, shall be drawn up in the English language.
(b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

(1) The Contract Agreement (if completed);
(2) The Letter of Acceptance;
(3) The completed Form of Bid;
(4) Special Stipulations (Appendix-A to Bid);
(5) The Particular Conditions of Contract – Part II;
(6) The General Conditions – Part I;
(7) The priced Bill of Quantities (Appendix-D to Bid);
(8) The completed Appendices to Bid (B, C, E to L);
(9) The Drawings;
(10) The Specifications; and
(11) _____ (any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer's review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Programme to be Submitted

The programme shall be submitted within 14 days from the date of receipt of Letter of Acceptance, which shall be in the form of:

i) a Bar Chart identifying the critical activities.
ii) a CPM identifying the critical path/activities.
(Procuring Agency to select appropriate one)

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 14 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Programme and Monthly Progress Report

a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed programme for the following:

(1) Execution of Works;
(2) Labour Employment;
(3) Local Material Procurement;
(4) Material Imports, if any; and
(5) Other details as required by the Engineer.

(b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 10 copies each of Monthly Progress Reports covering:

(1) A Construction Schedule indicating the monthly progress in percentage;
(2) Description of all work carried out since the last report;
(3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
(4) Monthly summary of daily job record;
(5) Photographs to illustrate progress ;and
(6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.

(c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorised representative at Site shall be authorised to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a working knowledge of the English language. If the Contractor's superintending staff are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of' persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorise or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Procuring Agency's Risks

The Procuring Agency's risks are:

Delete the text and substitute with the following:

(a) insofar as they directly affect the execution of the Works in Pakistan:

(i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,

(ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,

(iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,

(iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,

(v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;

(b) loss or damage due to the use or occupation by the Procuring Agency of any Section or part of the Permanent Works, except as may be provided for in the Contract;

(c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and

(d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen, or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:

(a) prevent loss or damage to physical property from occurring by taking appropriate measures, or

(b) insure against.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company operating in Pakistan and acceptable to the Procuring Agency.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Procuring Agency at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of' wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favourable than the general level of wages and conditions observed by other Procuring Agencys whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour from amongst the persons in the services of the Procuring Agency or the Engineer; except with the prior written consent of the Procuring Agency or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, these facilities shall be handed over to the Procuring Agency or if the Procuring Agency so desires, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as aforesaid.

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognised festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall , so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

The following Sub-Clause 47.3 is added:

47.3 Bonus for Early Completion of Works

The Contractor shall in case of earlier completion for either whole or part(s) of the Works pursuant to Sub-Clauses 48.1 or 48.2(a) respectively of the General Conditions of Contract, be paid bonus up-to a limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages prescribed in Appendix-A to Bid "Special Stipulations".

Not applicable

48.2 Taking Over of Sections or Parts

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall" the following is added:
within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 are added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) submits reasonable evidence to the Engineer, or
b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
   ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Procuring Agency may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Agency, the amount which the nominated Subcontractor was directly paid by the Procuring Agency.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words " Sub-Cause 60.11 (a)(6) hereof".
(in case Clause 60.11 is applicable)

60.2 Monthly Payments

In the first line, "28" is substituted by "14".

60.11 Secured Advance on Materials

a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an indemnity bond acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:

(1) The materials are in accordance with the Specifications for the Permanent Works;

(2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;

(3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;

(4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor;

(5) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Agency; and

(6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.

(b) The recovery of Secured Advance paid to the Contractor under the above

provisions shall be effected from the monthly payments on actual consumption basis.

60.11 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Procuring Agency by adopting any one of the following three Alternatives:

(Appropriate alternative only to be retained)

Alternative One: Mobilization Advance

(a) An interest-free Mobilization Advance up to 15 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee/Bond for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan or an insurance company acceptable to the Procuring Agency:

(1) First part within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier; and

(2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.

(b) This Advance shall be recovered in equal instalments; first instalment at the expiry of third month after the date of payment of first part of Advance and the last instalment two months before the date of completion of the Works as per Clause 43 hereof.

Alternative Two: Mobilization/ Demobilization Cost

Mobilization Cost shall be paid to the Contractor as a part of the priced Bill of Quantities. This cost shall not exceed 10 % of the Tender Price and shall be paid to the Contractor as follows:

(i) 80 % of the Mobilization Cost shall be paid for mobilization at Site. This payment shall be in three stages as follows:

Stage I: 20 % of Mobilization Cost upon obtaining and furnishing of Performance Security and insurance policies and construction of camp and housing facilities as required under the Contract;

Stage II: 30 % of Mobilization Cost upon providing & installing preliminary requirements of Contractor's Equipment, materials and temporary structures for the commencement of Works to the satisfaction of the Engineer and achieving 3 % value of the Works (excluding payment under Stage-I);

Stage III: 30 % of Mobilization Cost upon providing balance Contractor's Equipment to complete full requirement for the entire work and after achievement of progress to the extent of 6 % value of the

Works (excluding payments under Stages I and II); and

(ii) 20 % of Mobilization Cost shall be paid for operation and maintenance of the constructed facilities and for demobilization as per schedule of payment to be submitted by the Contractor in accordance with Clause 57.2 and approved by the Engineer.

Alternative Three: Materials Supplied by Procuring Agency

The Procuring Agency shall supply to the Contractor materials, like cement, steel, bitumen or any other material whichever deemed necessary to complete the project; and the cost thereof shall be recovered from the Contractor through monthly statements on the basis of actual consumption.

The list of materials, quantities and rates to be charged to the Contractor shall be provided alongwith Appendix-A to Bid "Special Stipulations".
(Procuring Agency may opt either "Secured Advance on Materials" or "Financial Assistance to Contractor")

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Procuring Agency against the Contractor under this Clause, the Procuring Agency may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:
The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67. 3 Arbitration

In the sixth to eight lines, the words "shall be finally settled ..... appointed under such Rules" are deleted and substituted with the following:

shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:
The place of arbitration shall be Karachi Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Procuring Agency and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Procuring Agency and Engineer

For the purposes of this Sub-Clause, the respective address are:

a) The Procuring Agency & its Representative:
Project Director, Shaheed Benazir Bhutto Girls Cadet College, Larkana

b) The Engineer:
The Engineer shall be any competent person appointed and nominated by the Procuring Agency.

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax, tax on services, GST and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes. All prices are inclusive income tax, sales tax, tax on services and other taxes.

73.2 Customs Duty & Taxes

(Procuring Agency may incorporate provisions where applicable)

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Procuring Agency shall be entitled to:

(a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;

(b) terminate the Contract; and

(c) recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Procuring Agency's Convenience

The Procuring Agency shall be entitled to terminate the Contract at any time for the Procuring Agency's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor:

(a) shall proceed as provided in Sub-Clause 65.7 hereof; and

(b) shall be paid by the Procuring Agency as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour

laws including the Workmen's Compensation Act and the Procuring Agency shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Procuring Agency for the fulfilment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Procuring Agency.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Procuring Agency or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

GRAND SUMMARY

Name of Work : Construction of Gate office, Residence Gate, Sub-Station-1 & 2, Watch Tower, Boundary Wall (Package-D)

GRAND SUMMARY

.NO	DESCRIPTION	COST OF SCHEDULE ITEMS (Rs)	COST OF NON SCHEDULE ITEMS (Rs)	PREMIUM ON SCHEDULE ITEMS (Rs)		PRIME COST (Rs)	TOTAL COST (Rs)
		1	2	%	3	4=1+3	5=2+4
1	CIVIL WORKS						
	a) Gate office	9,657,[illegible]80.00	2176000	30%	2897,124	12554204	14730204
	b) Watch Tower (7 Nos.)	7,542,[illegible]07.82	2160200	30%	2262872	9805780	11965980
	c) Boundary Wall	79,983,[illegible]75.00	5800,000	30%	23995133	103978908	1097,78908
	Total-1	97,183,[illegible]62.82					
2	PLUMBING WORKS						
	a) Gate office	46,[illegible]51.58	414135	20%	9310	55861	469,997
	b) Watch Tower	~~25,[illegible]59.00~~ 177513	1454915	20%	35502	213015	1667931
	Total-2	71,[illegible]10.58					
3	ELECTRICAL WORKS						
	a) Gate office	220,396.00	982655	25%	55224	276120	1258775
	b) Watch Tower	41,320.00	803435	25%	10330	51650	855085
	Total-3	262,216.00					
4	EXTERNAL WORKS						
	Internal Road works	64,182,380.00	14246104	19.5%	12515564	76697944	90944048
	Plumbing Work	-					
	Public Health	15,386,443.00	1945000	10%	1538644	162925087	18870087-
	Total-4	79,568,823.00					
	Total (1+2+3+4)	177,086,712.40					250541015
	TOTAL COST >>>>>>>>>>>>>>>>>>>						250.541 (m)

(Amount in words Rupees. Two hundred fifty million Five hundred forty One thousand only)

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Member
Project Committee
Shaheed Benazir Bhutto
Girls Cadet College Larkana

Chairman
Project Committee
Shaheed Benazir Bhutto
Girls Cadet College Larkana

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	216,940
2	SUB STRUCTURE	3,428,670
3	SUPER STRUCTURE	2,429,182
4	MASONRY WORKS	575,453
5	THERMAL & MOISTURE PROTECTION	107,222
6	MATEL WORKS	466,070
7	DOORS AND WINDOWS	447,511
8	FLOOR FINISHES	532,315
9	WALL FINISHES	524,161
10	CEILING FINISHES	60,215
11	EXTERNAL FINISHES (BUILDING)	759,416
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	109,926
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	**9,657,080**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	2176000
2	SUB STRUCTURE	
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	
	TOTAL OF NON-SCHEDULE ITEMS RS.	2176000

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	19697 Cft	%0 Cft	8.152.50	160.579.79
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	4223 Cft	%0 Cft	8.702.50	36.750.66
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	4137 Cft	%0 Cft	4.740.00	19.609.38
		Total Amount Carried to Civil Summary				216,940

M/S Naseem ... Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge (Ratio 1: 4 : 8)	5557 Cft	% Cft	9,416.28	523,262.68
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	335 Cft	% Cft	12,595.00	42,193.25
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	1263 Sft	% Sft	3,127.41	39,499.19
		RCC CONCRETE (SUB-STRUCTURE)				
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	4661 Cft	Per Cft	337.00	1,570,757.00
		STEEL REINFORCEMENT (SUB-STRUCTURE)				
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	235 Cwt	Per Cwt	5,001.70	1,175,399.50
		BITUMEN COATING				
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	Bitumen coating to plastered or cement concrete surface.	7687 Sft	% Sft	778.09	59,811.78
		TERMITE TREATMENT				
2.7	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached porches or entrances etc. complete as per directions of Engineer Incharge. ***(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)***	1822 Sft	P.Sft	9.74	17,746.28
		Total Amount of Schedule Items Carried to Civil Summary				**3,428,670**

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
3		**SUPER-STRUCTURE**				
		RCC CONCRETE (SUPER-STRUCTURE)				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)	From 0.00 to 20' Height	1399 Cft	Per Cft	337.00	471,463.00
	Item # 6 (ai)+d	From 20' to 40' Height	1929 Cft	Per Cft	349.10	673,413.90
	Item # 6 (ai) +d+d	From 40' to 60' Height	0 Cft	Per Cft	361.20	-
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B) P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	119 Cwt	Per Cwt	5,001.70	595,202.30
	Item # 8 (b)+29	From 12 to 24' Height	38 Cwt	Per Cwt	5,152.95	195,812.10
	Item # 8 (b)+29+29	From 24 to 36' Height	93 Cwt	Per Cwt	5,304.20	493,290.60
		Total Amount of Schedule Items Carried to Civil Summary				**2,429,182**

M/S Nasreen Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
		PART-B (NON-SCHEDULE ITEMS)				
		SUPER-STRUCTURE				
3.3	N.S.I	Providing, ereting, fixing and installing Rcc pre-cast spiral stair case upto 5 ft. (1.5 m) dia consisting of central post, hand rail and braces at required intervals etc. complete including the cost of cement work in base and foundation . etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.	2	Each	100,000	200,000
3.4	N.S.I	Providing, fixing and installing in position MS monkey stair/ ladder consisting of (Ms angle iron, and ms bar, G.I pipe, braces at required intervals etc. complete including painting with 3 coats of enamel paint over a coat of primer etc, complete in all respects as per drawing, standard, specifications and direction of the Engineer.	7	Job	50000	350,000
4		EXTERNAL FINISHES				
		Providing and fixing of SLATE Stone 24" X 12" 1" thick tile for wall Cladding including 3" x 2" chamfer/gola of approved patterns, match over 1/2" thick base of cement mortar in 1:2 C.M., including anchering, cutting, jointing, curing etc., complete in all respect as per drawings, specifications and the satisfaction of he Engineer.	920 Sft	Sft	900	828000
5		Supply & fixing of heavy type steel grated door with MS Plate, including hinges, 3 coats of oil paint, standard gauge, aldrop, angle irons and complete in all respects.	380 Sft	Sft	2100	798000
		Total Amount of Non-Schedule Items Carried to Civil Summary				2176000

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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	191 Sft	%Sft	3,912.85	7,473.54
4.2	Chapter 5/ Item # 5 1(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in 1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	2310Cft	%Cft	13,227.41	305,553.17
		ii) From 12'-0" to 22'-0" height	947Cft	%Cft	13,666.04	129,417.40
		iii) From 22'-0" to 32'-0" height	934Cft	%Cft	14,240.79	133,008.98
		iv) From 32'-0" to 42'-0" height	0Cft	%Cft	14,815.54	-
		Total Amount Carried to Civil Summary				**575,453.09**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	1455 Sft	Per Sft	10.70	15,568.50
5.2	Chapter # 8 Item # 16 (d)/ P-42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	1455 Sft	%Sft	4,411.82	64,191.98
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	1455 Sft	%Sft	1,887.40	27,461.67
		Total Amount Carried to Civil Summary				**107,222.15**
6		**METAL WORK**				
		GI Door Frame				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	126 Rft	per Rft	240.50	30,303.00

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S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
6.2	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Fabricating of heavy steer work with angles, flat iron, round iron, and sheet iron for making trusses, girders, tands etc, including cutting, tanks etc, including cutting, drilling, revetting, handling assembling and fixing but excluding cost of erection in position.	78 Cwt	Per Cwt	4,928.40	384,415.20
6.3	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Erecation and fitting in position of iron trusses staging of water tanks etc.	/8 Cwt	Per Cwt	2/1.04	21,141.12
6.4	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	**Paint on Metal surface** Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work,				
		i) Priming Coat	4968 Sft	%Sft	521.95	25,930.48
		ii) Each subsequent coat (3 Coats)	381 Sft	%Sft	1,123.32	4,279.85
		Total Amount Carried to Civil Summary				**466,069.65**
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed. b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	150 Sft	P.Sft	903	135,439.50
7.2		**Windows with Frame** b) 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed.	245 Sft	P.Sft	1,274	312,071.20
		Total Amount Carried to Civil Summary				**447,510.70**
8		**FLOOR FINISHES** **P.C.C FLOOR**				
8.1	Chapter # 8 'Item # 16C+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 2" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	2456 Sft	%Sft	4,391.50	107,855.24
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	732 Sft	%Sft	27,678.86	202,609.26

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S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	795 Sft	%Sft	27,905.74	221,850.63
	Item # 24+18 +18 / P-42 & 43	iii) From 22'-0" to 32'-0" height	0 Sft	%Sft	28,132.62	-
		Total Amount Carried to Civil Summary				**532,315.13**
9		**WALL FINISHES**				
		INTERNAL PLASTER				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	4589 Sft	%Sft	2,283.93	104,809.55
	Item # 11b + 29	b) 1/2" thick from12'-0" to 22'-0" height	2280 Sft	%Sft	2,424.90	55,287.72
	Item # 11b + 29+29	b) 1/2" thick from 22'-0" to 32'-0" height	0 Sft	%Sft	2,565.87	-
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc, complete (new	6869 Sft	%Sft	3,444.36	236,593.09
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	395 Sft	%Sft	27,678.86	109,331.50
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	65 Sft	%Sft	27,905.74	18,138.73
	Item # 24+18 +18 / P-42 & 43	iii) From 22'-0" to 32'-0" height	0 Sft	%Sft	28,132.62	-
		Total Amount Carried to Civil Summary				**524,160.59**
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12' 0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	0 Sft	%Sft	2,206.60	-
	Item # 13b + 29	b) 1/2" thick (1:6) from12'-0" to 22'-0" height	732 Sft	%Sft	2,347.57	17,184.21
	Item # 13b + 29+29	b) 1/2" thick (1:6) from 22'-0" to 32'-0" height	795 Sft	%Sft	2,488.54	19,783.89

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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	1527 Sft	%Sft	442.75	6,760.79
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	1527 Sft	%Sft	1,079.65	16,486.26
		Total Amount Carried to Civil Summary				**60,215.15**
11		**EXTERNAL FINISHES (BUILDINGS)**				
		Rough Cast Plaster				
11.1	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	2480 Sft	%Sft	2,306.10	57,191.28
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22' 0" height	2415 Sft	%Sft	2,447.07	59,096.74
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	3613 Sft	%Sft	2,588.04	93,505.89
	Item # 11c + 3 x 29	c) 1/2" thick from 32'-0" to 42'-0" height	621 Sft	%Sft	2,729.01	16,947.15
	Item # 11c + 4 x 29	c) 1/2" thick from 42'-0" to 52' 0" height	0 Sft	%Sft	2,869.98	-
11.2	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12' 0" height	2480 Sft	%Sft	3,015.75	74,790.60
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	2415 Sft	%Sft	3,156.72	76,234.79
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	3613 Sft	%Sft	3,297.69	119,145.54
	Item # 11c + 3 x 29	c) 1/2" thick from 32'-0" to 42'-0" height	621 Sft	%Sft	3,438.66	21,354.08
	Item # 11c + 4 x 29	c) 1/2" thick from 42'-0" to 52' 0" height	0 Sft	%Sft	3,579.63	-

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S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	95 Rft	Rft	7.71	732.45
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the .surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	4482 Sft	%Sft	2,567.95	115,095.52
		c) From 20'-0" to 30'-0" height	3181 Sft	%Sft	2,796.04	88,942.03
		c) From 30'-0" to 40'-0" height	1203 Sft	%Sft	3,024.13	36,380.28
		c) From 40'-0" to 50'-0" height	0 Sft	%Sft	3,252.22	-
		Total Amount Carried to Civil Summary				**759,416.35**
12		**EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)**				
12.1	Chapter # 8 'Item # 73/ P-50/Vol. III,Part-II, (General)	**P.C.C PAVERS** Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***natural colour*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the	380 Sft	P.Sft	223.97	85,108.60
12.2	Chapter # 8 'Item # 74/ P-50/Vol. III,Part-II, (General)	Providing and fixing cement paving blocks floooring having size of 197x97x80 (mm) of City/qu/Cobble shape with ***pigmented*** , having strength b/w 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner /pattern and design etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.(at any height any floor)	100 Sft	P.Sft	248.17	24,817.00
		Total Amount Carried to Civil Summary				**109,925.60**

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PROPRIETOR

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	46,552
	SUB-TOTAL-A Rs.	**46,552**
	Add 20% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	9310
	TOTAL-A Rs.	55862
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	22200
2	Cold and Hot Water Supply Piping	29980
3	Isolation Valves	9950
4	Plumbing Specialties	1175
5	Packaged Pump Sets	–
6	Water Tank Connection	70000
7	Soil, Waste and Vent Pipes	97430
8	Drainage Specialties	21400
9	Manholes and Gully traps	120000
10	External Connection	–
11	Fire Extinguishers	42000
		–
	SUB-TOTAL-B Rs.	414135
	GRAND TOTAL AMOUNT (A+B)	469,997

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	2	Nos	6,503.20	13,006
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and I/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	0	Nos	11,477.40	-
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	2	Nos	5,658.40	11,317
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	2	Nos	2,686.54	5,373
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				
		Continued..				

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	1	Nos	5,782.70	5,783
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	0	Nos	6,442.70	-
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	2	Nos	1,591.70	3,183
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	2	Nos	1,071.40	2,143
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	2	Nos	2,376.00	4,752
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	2	Nos	497.20	994
		AMOUNT CARRIED TO SUMMARY				46,552

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING FIXTURES:** Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	2	Nos	3000	6000
ii		WC Cleaning Brush	2	Nos	600/-	1200/
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	3	Nos	5000	15000
		AMOUNT CARRIED TO SUMMARY				22200

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	98	Rft	110	10780
ii		1" dia	120	Rft	160	19200
iii		1 1/4" dia	0	Rft		
iv		1 1/2" dia	0	Rft		
		AMOUNT CARRIED TO SUMMARY				29980

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves**				
		Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				
i		3/4" dia	3	Nos	1850	5550
ii		1" dia	2	Nos	2200	4400
iii		1 1/4" dia	0	Nos		
iv		1 1/2" dia	0	Nos		
		AMOUNT CARRIED TO SUMMARY				9950

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	1	Nos.	1175	1175
		AMOUNT CARRIED TO SUMMARY				1175

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i		Water Transfer Pump set (2 Duty), Flow = 20 GPM @ 35 ft head	0	Nos	350.	-
		AMOUNT CARRIED TO SUMMARY				-

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**GRP Water Tank** Supply, installation and Insulation of 200 gallons GRP Water tanks of below mentioned capacities including Drain valve, Air Relief Valve, vent pipes, Access/Manhole Covers, accessories, valves, supports, ladders, low and high level float switches, etc., complete all in accordance with the specifications.	2	Nos	35000	70000
		AMOUNT CARRIED TO SUMMARY				70000

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CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Soil, Waste,RW and Vent Pipes**				
		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		2" dia	40	Rft	180	7200
ii		3" dia	95	Rft	250	23750
iii		4" dia	18	Rft	360	6480
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	100	Rft	600	60000
		AMOUNT CARRIED TO SUMMARY				97430

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	3	Nos	3800	11400
b		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	2	Nos	5000	10000
c		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	0	Nos		
ii		3" dia	0	Nos		
		AMOUNT CARRIED TO SUMMARY				21400

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	2	Nos.	40000	80000
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	2	Nos.	20000	40000
		AMOUNT CARRIED TO SUMMARY				120 000

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CONTRACTOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	42000	42000
		AMOUNT CARRIED TO SUMMARY				42000

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S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
11		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket	0	Nos	—	—
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				—

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Government Contractor

DIRECTOR

SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE,
LARKANA

SUMMARY

S.NO.	DESCRIPTION		AMOUNT
A	SCHEUDLE ITEM Gate Office		220,896
A			220,896
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	55224 -
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		276120
B	NON SCHEUDLE ITEM		
	Gate Office		982655
B	TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>		982655
GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)			1258775

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ENGINEER'S ESTIMATE
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
	D	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	360	Per Mtr.	294.00	105,840
2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	70	Per Mtr.	338.00	23,660
		SUB HEAD II POINT WIRING				
3	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4'') PVC conduit recessed in the wall or column as required.	64	Per Point	1,130	72,320
		SUB HEAD XI ELECTRICAL ACCESSORIES				
	B.	**CEILING ROSE**				
4	Item # 228(B)/ P-33/ Second Edition-2012	Providing & fixing Bakelite ceiling rose with two terminals.	5	Per No.	72.00	360
	C	**FAN**				
5	Item # 235(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Ceiling fan 56'' (good quality)	5	Per Nos	3,185.00	15,925
6	Item # 236(C)/ P-34/ Second Edition-2012	Providing & fixing Brass Bracket fan 18'' (good quality)	1	Per No.	2,791.00	2,791
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				220,896

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Government [illegible]

PROPRIETOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**L.V. DISTRIBUTION BOARDS** Supply, installing, testing & commissioning of following wall mounting surface type Distribution Board (DB's) made with 16 SWG sheet metal, dust protected, vermin proof housing coated with approved color having all the necessary switching ,energy analizer etc., protections, as per drawing and specification, complete in all respect.				
i	DB-GOL	1	No.	130000	130,000
2	**CONDUITS & PIPES** Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe Providing and laying of following size uPVC class D pipe for Incoming cable, Buried in ground/under road/under floor Including excavation for laying of pipe, bricks, warning tape, and backfilling with warning tape, and fresh soil as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect.	30	Rm	100/-	3000/-
ii	2" dia uPVC	70	Rm	500	35000
iii	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 24" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc.,complete in all respect. (For Electrical cables)	4	Nos.	16000	64000
iv	Supply & installing of Pull Box.As per drawing and relevant specification, complete in all respect.	3	Nos.	10000	30000

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S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
3	**WIRING ACCESSORIES** Supply,installing,testing and commissioning of following 10/15/16 Amps, One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	One Gang switch 10A	2	Nos.	500	1000
ii	Two Gang switch 10A	6	Nos.	715	4290
iii	Three Gang switch 10A	6	Nos.	660	3960
iv	Four Gang switch 10A	6	Nos.	870	5220
v	One Gang Fan Dimmer switch 10A	5	Nos.	1087	5400
vi	10A, 2Pin Switched Socket Outlet	17	Nos.	1445	24565
vii	13A, 3 Pin Flat 2 Gang Switched Socket Outlet	2	Nos.	1760	3520
viii	32A, 3Pin Industrial Socket complete with Plug	2	Nos.	1850	3700
4	**LIGHT FIXTURE & FANS** Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Surface mounted 20W,LED Batten (IP-20) Light Fixture	3	Nos.	5000	15000
ii	Wall mounted 7W,LED Emergency Light fixture (IP-65)	6	Nos.	7000	42000
iii	Surface mounted Down Cylinderical Light fixture (IP-20) with 20W,LED	20	Nos.	8500	170,000
iv	Surface mounted Down lighter with Glass cover Light fixture (I-44) and 20W,LED	2	Nos.	1000	20000
v	Surface mounted Down lighter with Glare Free Diffuser cover Light fixture (I-44) and 18W,LED	12	Nos.	3000/-	36000
vi	Surface mounted wall Decorative Light fixture (IP-20) with 20W,LED	5	Nos.	7800	39000

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PROPRIETOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
vii	Surface wall mounted UP & Down Light fixture (I-54) with 6W,LED	12	Nos.	35000	420000
viii	Surface wall mounted FloodLight fixture (I-60) with 100W,LED	4	Nos.	50000	200,000
ix	9" dia, Exhaust Fan	2	Nos.	3500	7000/-
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				98 2657/-

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...ETOR

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	14,725
2	SUB STRUCTURE	365,161
3	SUPER STRUCTURE	286,820
4	MASONRY WORKS	95,552
5	THERMAL & MOISTURE PROTECTION	8,106
6	MATEL WORKS	12,278
7	DOORS AND WINDOWS	50,499
8	FLOOR FINISHES	46,691
9	WALL FINISHES	97,960
10	CEILING FINISHES	9,803
11	EXTERNAL FINISHES (BUILDING)	89,963
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY FOR 1 NO.	**1,077,558**
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY FOR 7 NO.	**7,542,908**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	-
2	SUB STRUCTURE	200,000/-
3	SUPER STRUCTURE	
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	100,000
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	8600
	TOTAL OF NON-SCHEDULE ITEMS RS. FOR 1 NO.	308600
	TOTAL OF NON-SCHEDULE ITEMS RS. FOR 7 NO.	2160200

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PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	+ 0'-0" ft to -5'-0"ft	1330 Cft	%0 Cft	8,152.50	10,842.83
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	287 Cft	%0 Cft	8,702.50	2,497.62
		EARTH FILLING FROM OUTSIDE SOURCES				
1.3	Chapter-1/Vol. III,Part-II (General)Item # 22+13(b+cii)/ P-3 & 4	Filling watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet, laying earth in 6" layers leveling, dressing and watering for compaction etc complete with compaction by rolling.	292 Cft	%0 Cft	4,740.00	1,384.08
		Total Amount Carried to Civil Summary				**14,725**

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge	450 Cft	% Cft	9,416.28	42,373.26
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	68 Cft	% Cft	12,595.00	8,564.60
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	278 Sft	% Sft	3,127.41	8,694.20
		RCC CONCRETE (SUB-STRUCTURE)				
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	462 Cft	Per Cft	337.00	155,694.00
		STEEL REINFORCEMENT (SUB-STRUCTURE)				
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	28 Cwt	Per Cwt	5,001.70	140,047.60
		BITUMEN COATING				
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	Bitumen coating to plastered or cement concrete surface.	851 Sft	% Sft	778.09	6,621.55
		TERMITE TREATMENT				
2.7	Chapter-12/ Vol-III,Part-II, (General) Item # 92 / P-109	Providing Anti-Termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. ***(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)***	325 Sft	P.Sft	9.74	3,165.50
		Total Amount of Schedule Items Carried to Civil Summary				**365,161**

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Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
3		**SUPER-STRUCTURE**				
		RCC CONCRETE (SUPER-STRUCTURE)				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)	From 0.00 to 20' Height	391 Cft	Per Cft	337.00	131,767.00
	Item # 6 (ai)+d	From 20' to 40' Height	0 Cft	Per Cft	349.10	-
	Item # 6 (ai) +d+d	From 40' to 60' Height	0 Cft	Per Cft	361.20	-
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	31 Cwt	Per Cwt	5,001.70	155,052.70
	Item # 8 (b)+29	From 12 to 24' Height	0 Cwt	Per Cwt	5,152.95	-
	Item # 8 (b)+29+29	From 24 to 36' Height	0 Cwt	Per Cwt	5,304.20	-
	Item # 8 (b)+29+29+29	From 36 to 48' Height	0 Cwt	Per Cwt	5,455.45	-
		Total Amount of Schedule Items Carried to Civil Summary				286,820

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S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
		PART-B (NON-SCHEDULE ITEMS)				
3.3	N.S.I	**SUPER-STRUCTURE** Providing, ereting, fixing and installing Rcc pre-cast spiral stair case upto 5 ft. (1.5 m) dia consisting of central post, hand rail and braces at required intervals etc. complete including the cost of cement work in base and foundation , etc. complete in all respects as per drawing, standard, specifications and direction of the Engineer.	2	Each	100000/-	200 000/-
		Total Amount of Non-Schedule Items Carried to Civil Summary				200 000

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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	48 Sft	%Sft	3,912.85	1,878.17
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12' 0" height	391Cft	%Cft	13,227.41	51,719.17
		ii) From 12'-0" to 22'-0" height	307Cft	%Cft	13,666.04	41,954.74
		iii) From 22'-0" to 32'-0" height	0Cft	%Cft	14,240.79	-
		Total Amount Carried to Civil Summary				**95,552.08**
5		**THERMAL & MOISTURE PROTECTION**				
5.1	Chapter # 7 Item # 38 / P-38 /Vol-III,Part-III, (General)	Providing & laying single per layer of Polythene sheet 0.13 mm thick for water proofing as per specification and instruction of Engineer in charge.	110 Sft	Per Sft	10.70	1,177.00
5.2	Chapter # 8 Item # 16 (d)/ P 42 /Vol-III,Part-III, (General)	Providing & laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels .	110 Sft	%Sft	4,411.82	4,853.00
5.3	Chapter # 7 Item # 13 / P-35 /Vol-III,Part-III, (General)	Two coats of bitumen laid hot using 34 Lbs. for % Sft. Over roof and blended with sand at One Cft per % Sft.	110 Sft	%Sft	1,887.40	2,076.14
		Total Amount Carried to Civil Summary				**8,106.14**
6		**METAL WORK**				
		GI Door Frame				
6.1	Chapter -17 Item # 28/ P-93 / Vol.III,Part II,	Providing and fixing G.I frames/Choukhats of size 7" x 2" or 4-1/2" x 3" for door using 20 gauge G.I sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry og ratio 1:6 and repairing the jams. The cost also including all carriage, tools & plants used in making & fixing.	36 Rft	per Rft	240.50	8,658.00
6.2	Chapter -17 Item # 2/ P-91/ Vol.III,Part II,	Fabricating of heavy steer work with angles, flat iron, round iron, and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling, revetting, handling assembling and fixing but excluding cost of erection in position.	0 Cwt	Per Cwt	4,928.40	-

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S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
6.3	Chapter -17 Item # 2/ P-91/ Vol.III,Part II.	Erecation and fitting in position of iron trusses staging of water tanks etc.	0 Cwt	Per Cwt	271.04	-

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S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
6.4	Chapter -11 Item # 5d(i) & (ii)/ P-70 / Vol.III,Part II,	**Paint on Metal surface** Preparing surface and painting on guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work.				
		i) Priming Coat	220 Sft	%Sft	521.95	1,148.29
		ii) Each subsequent coat (3 Coats)	220 Sft	%Sft	1,123.32	2,471.30
		Total Amount Carried to Civil Summary				**12,277.59**
7	Chapter -10 Item # 7(b)/ P-58/ Vol.III,Part II,	**WOOD WORKS** First class deodar wood wrought joinery in doors and windows etc, fixed in position including chowkats hold fast, hinges, iron tower bolt, chocks, cleats, handle and cordswith hooks, etc.				
7.1		**Door Shutter** 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed.				
		b) **Note: Excluding the door frame which is covered in Sr. item # 6.1 and deduct the rate of deodar wood frame 370.83 per sft, Refer the item # 25 (b) page 61, chapter10)**	39 Sft	P.Sft	903	35,214.27
7.2		**Windows with Frame**				
		b) 1-3/4" thick Deodar panelled or panelled and glazed or fully glazed.	12 Sft	P.Sft	1,274	15,285.12
		Total Amount Carried to Civil Summary				**50,499.39**
8		**FLOOR FINISHES**				
		P.C.C FLOOR				
8.1	Chapter # 8 'Item # 16d+75 / P-42,50/Vol. III,Part-II, (General)	Providing and laying 3" thick topping cement concrete 1:2:4 floor including surface finishing and dividing into panels	0 Sft	%Sft	5,527.82	-
8.2	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement morlar1:2 complete .				
		i) In ground floor up to 12'-0" height	84 Sft	%Sft	27,678.86	23,250.24
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	84 Sft	%Sft	27,905.74	23,440.82
		Total Amount Carried to Civil Summary				**46,691.06**
9		**WALL FINISHES**				
		INTERNAL PLASTER				
9.1	Chapter 9 Item # 11b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		b) 1/2" thick up to 12'-0" height	671 Sft	%Sft	2,283.93	15,325.17
	Item # 11b + 29	b) 1/2" thick from12'-0" to 22'-0" height	137 Sft	%Sft	2,424.90	3,322.11
	Item # 11b + 29+29	b) 1/2" thick from 22'-0" to 32'-0" height	0 Sft	%Sft	2,565.87	-
9.2	Chapter# 9 Item # 36A +36 B/ P-55/ Vol.III,Part II, (General)	**PAINT (INTERNAL WALL SURFACE)** Preparing the surface and painting with matt finish including rubbing the surface with Bathy (Silicon carbide rubbung brick) filling the voids with zink/chalk/plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new	808 Sft	%Sft	3,444.36	27,830.43

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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
9.3	Chapter # 8 'Item # 24 / P-43/Vol. III,Part-II, (General)	Laying floor of approved with glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar1:2 complete .				
		i) In ground floor up to 12'-0" height	186 Sft	%Sft	27,678.86	51,482.68
	Item # 24+18 / P-42 & 43	ii) From 12'-0" to 22'-0" height	0 Sft	%Sft	27,905.74	-
	Item # 24+18 +18 / P-42 & 43	iii) From 22'-0" to 32'-0" height	0 Sft	%Sft	28,132.62	-
		Total Amount Carried to Civil Summary				97,960.39
10		**CEILING FINISHES**				
10.1	Chapter 9 Item # 13b / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:6 up to 12'-0" height				
		b) 1/2" thick (1:6) up to 12'-0" height	156 Sft	%Sft	2,206.60	3,442.30
	Item # 13b + 29	b) 1/2" thick (1:6) from12'-0" to 22'-0" height	103 Sft	%Sft	2,347.57	2,418.00
	Item # 13b + 29+29	b) 1/2" thick (1:6) from 22'-0" to 32'-0" height	0 Sft	%Sft	2,488.54	-
10.2	Chapter 9 Item # 23 / P-54/ Vol.III,Part II, (General)	**PAINT (DISTEMPERING ON CEILING SURFACE)** Prime coat of chalk distemper	259 Sft	%Sft	442.75	1,146.72
10.3	Chapter 9 Item # 24b / P-54/ Vol.III,Part II, (General)	c) Distempering (Three coats)	259 Sft	%Sft	1,079.65	2,796.29
		Total Amount Carried to Civil Summary				9,803.31
11		**EXTERNAL FINISHES (BUILDINGS)**				
		Rough Cast Plaster				
11.1	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Rough cast cement plaster 3/4" thick.				
		c) 1/2" thick up to 12'-0" height	580 Sft	%Sft	2,306.10	13,375.38
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	675 Sft	%Sft	2,447.07	16,517.72
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	0 Sft	%Sft	2,588.04	-

M/S Nasrullah Ahmed Shah
Government Contractor
PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
11.2	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height	580 Sft	%Sft	3,015.75	17,491.35
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height	675 Sft	%Sft	3,156.72	21,307.86
	Item # 11c + 29+29	c) 1/2" thick from 22'-0" to 32'-0" height	0 Sft	%Sft	3,297.69	-
11.2	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	41 Rft	Rft	7.71	316.11
11.4	Chapter 9 Item # 38A+38B / P-56 / Vol. III,Part-II,(General)	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaste of paris and then painting with weathe coat(3 coats) of approved make.				
		c) Up to 20'-0" height	816 Sft	%Sft	2,567.95	20,954.47
		c) From 20'-0" to 30'-0" height	0 Sft	%Sft	2,796.04	-
11.5	Chapter 4 Item # 27/ P-19 / Vol. III,Part-II,(General)	Reinforced cement concrete spout including fixing in position with top and bottom khuras.	0 Each.	Each.	524.98	-
		Total Amount Carried to Civil Summary				89,962.89
		PART-B (NON-SCHEDULE ITEMS)				
11		EXTERNAL FINISHES				
11.1		Providing and fixing 5'-0" dia Pre-cast concrete spiral stair up to 10'-0" height as shown in drawing including base foundation and all required accessories for fixing etc., complete in all respect as per drawing, specification and direction of the Engineer.	1 No.	No.	100000/-	100000
		Total Amount Carried to Civil Summary				100,000
12		EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)				

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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
12.1		Providing and laying **Pre-Polished Marble Tiles/Slab** one piece ***(Length not less than 60 inches, width not less than 12 inches & thicknes not less than 1 inches)*** for entrance & exit steps of approved make, colors & size with borders, patterns including 3 grooves at nosing as per design including setting the tiles with dry bond slurry, grouting with matching colour approved grouting material in jointing, curing, cutting, chamfering edging/half D gola etc., (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.				
		Trade for Entrance Steps	13 Sft	Sft	500/-	6500/-
		Riser for Entrance Steps (One piece length not less than 30 inches, width not less than 6 inches & thickness not less than 1/2" inch (10mm) thick)	7 Sft	Sft	300/-	2100/-
		Total Amount Carried to Civil Summary				8600/-

M/S [illegible] Shah
Government [illegible]

PROPRIETOR

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Plumbing Fixtures	25,359
	SUB-TOTAL-A FOR 1 NO.	**25,359**
		7 x 177513/-
B.	**NON-SCHEDULE ITEMS**	
1	Plumbing Fixtures	14000
2	Cold and Hot Water Supply Piping	14050
3	Isolation Valves	4050
4	Plumbing Specialties	1175
5	Packaged Pump Sets	—
6	Water Tank Connection	18000
7	Soil, Waste and Vent Pipes	45770
8	Drainage Specialties	8800
9	Manholes and Gully traps	60000
10	External Connection	42000
11	Fire Extinguishers	—
	SUB-TOTAL-A FOR 1 NO.	207845 -
	TOTAL-B CARRIED TO SUMMARY FOR 7 NO.	1454915

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
		PLUMBING FIXTURES				
1	Chapter #1, Item #2 (A),Page #1	Providing & fixing squating type white glazed earthen ware w.c pan with front flush inlet & complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection& making good in cement concrete 1:2:4 (Foreign Equivalant).				
	(a)ii	W.C.pan 23" & low level earthen ware flush tank 3 gallons with 4" dia white glazed earthen were trap and plastic thumble.	0	Nos	6,503.20	-
2	Chapter #1, Item #5, Page #2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and I/c the cost of white/black plastic seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (Foreign Quality)	1	Nos	11,477.40	11,477
3a	Chapter #1, Item #10, Page #3	Providing and fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I. or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connectios and making good in cement concrete 1:2:4 (Foreign or Equivalent)	1	Nos	5,658.40	5,658
3b	Chapter #1, Item #11, Page #3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	1	Nos	2,686.54	2,687
4	Chapter #1, Item #19, Page #6	Providing & Fixing steel sinks satinless local make complete with cast iron or wraught iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1:2:4.				
		Continued..				

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
	(a)	Steel sink stainless sized 40" x 20" local make (Standard Pattern)	0	Nos	5,782.70	-
	(c)	Steel sink stainless sized 33" x 18" local make (Standard Pattern)	0	Nos	6,442.70	-
5	Chapter #2, Item #1, Page #7	Providing & Fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.				
	i b	Towel rail 36" long 3/4" dia round or square (Superior quality)	1	Nos	1,591.70	1,592
6	Chapter #2, Item #2, Page #7	Providing & fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (similar to twytords design No.1108)				
	b	Superior Quality	1	Nos	1,071.40	1,071
7	Chapter #2, Item #3, Page #7	Providing & Fixing 24" x 18" bavelled edge mirrior of begium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.				
	b	Superior Quality	1	Nos	2,376.00	2,376
8	Chapter #2, Item #5, Page #8	Supplying & Fixing soap tray earthen ware with c.p screws etc. complete.	1	Nos	497.20	497
		AMOUNT CARRIED TO SUMMARY				25,359

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Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
1		**PLUMBING FIXTURES:** Providing and fixing bath toilet accessories as under:				
i		Hand Spray / Muslim shower	1	Nos	3000	3000
ii		WC Cleaning Brush	1	Nos	6000	6000
iii		Providing and fixing wash basin mixer, two (2) nos. Stop cocks with Flexible Connection , flexible drain pipe to floor drain as per drawings , specifications and engineers approval.	1	Nos	5000	5000
		AMOUNT CARRIED TO SUMMARY				14000

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		WATER SUPPLY:				
2		**Cold and Hot Water Supply Piping**				
		Supply, installation, testing and Commissioning of PPR PN - 20 Cold/Hot water pipes as per DIN 8077-8078 with molded fittings PN - 25 as per DIN 16962, including pipe supports, cutting, filling, testing/commissioning and all accessories as indicated on the drawing, as per specifications and Engineers approval.				
i		3/4" dia	55	Rft	110	6050
ii		1" dia	50	Rft	160	8000
iii		1 1/4" dia	0	Rft		
iv		1 1/2" dia	0	Rft		
		AMOUNT CARRIED TO SUMMARY				14050

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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
3		**Isolation Valves**				
		Providing and fixing of PPR Coated PN-20 Gate valves of bronze material for diameter 2" and smaller and Cast Iron material for Diameter greater than 2" as per specifications and Engineers approval.				1850
i		3/4" dia	1	Nos	1850	
ii		1" dia	1	Nos	2200	2200
iii		1 1/4" dia	0	Nos		
iv		1 1/2" dia	0	Nos		
		AMOUNT CARRIED TO SUMMARY				4050

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4		**Plumbing Specialties**				
a		Supply and installation of the following including all fittings, fixings, accessories, etc., as indicated on the drawing, as per Specifications and Engineers approval.				
i		1/2" dia. Bib Tap	1	Nos.	1175	1175
		AMOUNT CARRIED TO SUMMARY				1175

M/S Naseem Ahmed Shaikh
Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
5		**Packaged Pump Sets** Supply and installation of below mentioned Packaged pump sets including pump foundation, control panel, wiring from panel to pumps, valves, piping, accessories, etc. from Suction header to Discharge header, as indicated on the drawing, as per specifications and Engineers approval.				
i.		Water Transfer Pump set (2 Duty), Flow = 20 GPM @ 35 ft head	0	Nos	—	—
		AMOUNT CARRIED TO SUMMARY				—

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
6		**GRP Water Tank** Supply, installation and Insulation of 100 gallons GRP Water tanks of below mentioned capacities including Drain valve, Air Relief Valve, vent pipes, Access/Manhole Covers, accessories, valves, supports, ladders, low and high level float switches, etc., complete all in accordance with the specifications.	1	Nos	18000	18000
		AMOUNT CARRIED TO SUMMARY				18000

M/S Nasee[illegible] Shah
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PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7		**Soil, Waste,RW and Vent Pipes**				
		Providing and fixing, uPVC pipes and fittings as per BS EN 1329 for above ground installations for Soil, Waste, Vent & Rw pipes with Kite mark on pipes and fittings including cleanout plug, clamps, hanger collars, supports, specials (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				2700
i		2" dia	15	Rft	180	8750
ii		3" dia	35	Rft	250	4320
iii		4" dia	12	Rft	360	
		Providing and fixing, uPVC pipes and fittings as per BS EN 1401 for below ground installations for Soil pipes including excavation, backfill, fittings (bend, tees, Y-tee etc.) as indicated on the drawing, as per specifications and Engineers approval.				
i		6" dia	50	Rft	600	30000
		AMOUNT CARRIED TO SUMMARY				45770

M/S Nasreen Waheed Shah
Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
8		**Drainage Specialties**				
a		Providing and fixing of Multi floor trap with multiple dia inlet and Single outlet and cleanout plug of the approved self cleaning design with S.Steel grating as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	1	Nos	3800	3800/-
c		Providing and fixing of PVC Roof Drains with Over Drain of Dome Type with PVC/Stainless Steel Dome with 6" Outlet, as specified by the architect, as indicated on the drawing, as per specifications, architectural finishing schedule and Engineers approval.	1	Nos	5000	5000/-
d		Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all respects.				
i		2" dia	0	Nos	-	-
ii		3" dia	0	Nos		
		AMOUNT CARRIED TO SUMMARY				88000

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Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
9		**Manholes and Gully traps**				
a		Construction of 30" x 30" Sanitary sewage manhole with 24" x 24" Medium duty Cover (Min Weight = 45 kg) cover as specified and shown on the drawing, as per specifications and Engineers approval.	1	Nos.	40000	40000
b		Construction of 18" x 18" gully trap with 10" P- trap and 18" x 18" cover (min Weight =35 kg) as specified and shown on the drawing, as per specifications and Engineers approval.	1	Nos.	20000	20000
		AMOUNT CARRIED TO SUMMARY				60000

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		**External Connection** Connection to external Sewage network, after including coordination with external drawings, the cost of excavation, Piping as specified and shown on the drawing, as per specifications and Engineers approval.	1	Job	4 2000	4 2000
		AMOUNT CARRIED TO SUMMARY				4 2000

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No.	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched	DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
		FIRE-PROTECTION SPECIALTIES				
11		**Fire Extinguishers**				
		Supply and installation of below mentioned Fire Extinguishers as per drawings and Specifications				
i		6 Kg C02 wall mounted fire Extinguisher with wall mounted bracket		Nos	1	1
ii		5 Kg ABC Type Dry powder Extinguishers with wall mounted bracket		Nos	1	1
		AMOUNT CARRIED TO SUMMARY				1

M/S Nasrullah Ahmed Shah
Government Contractor

PROPRIETOR

SUMMARY

S.NO.	DESCRIPTION		AMOUNT
A	SCHEUDLE ITEM Watch Tower		41,320
A	TOTAL OF SCHEDULE ITEMS =====>>>>>>>		41,320
	ADD PREMIUM ON SCHEDULE ITEMS ABOVE/BELOW	25%	10330
	TOTAL OF SCHEDULE ITEMS WITH PREMIUM =====>>>>>>>		51650
B	NON SCHEUDLE ITEM		
	Watch Tower		803435/-
B	TOTAL OF NON SCHEDULE ITEMS =====>>>>>>>		803435
GRAND TOTAL AMOUNT CARRIED TO GRAND SUMMARY (A + B)			855185/-

M/S Rasoor Ahmed Shah
Government Contractor
PROPRIETOR

ENGINEER'S ESTIMATE
S B B G C C
SHAHEED BENAZIR BHUTTO GIRLS CADET COLLEGE, LARKANA-PAKISTAN

S.No.	Gov. of Sindh CSR-2012 Schedule Item # /Page #	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	6	7 = 4 x 6
		PART - A (SCHEDULE ITEMS)				
	D	**WITH 3 WIRE PVC CONDUIT RECCESSED IN THE WALL OR COLUMN**				
1	Item # 24(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	60	Per Mtr.	294.00	17,640
2	Item # 25(D)/ P-4/ Second Edition-2012	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in ¾'' dia PVC conduit recessed in the wall or column as required.	50	Per Mtr.	338.00	16,900
		SUB HEAD II POINT WIRING				
3	Item # 124/ P-15/ Second Edition-2012	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4'') PVC conduit recessed in the wall or column as required.	6	Per Point	1,130	6,780
		CARRIED TO ELECTRICAL SUMMARY =====>>>>				**41,320**

M/S Nasrullah Ahmed Sindhi
Government Contractor
PROPRIETOR

S.NO.	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6 = 3 x 5
	PART - B (NON-SCHEDULE ITEMS)				
1	**L.V. DISTRIBUTION BOARDS**				
i	Supply, installing, testing & commissioning of wall mounting surface type MS 16 SWG Box with 20A,DP MCB,as per drawing and specification, complete in all respect.	7	Nos.	23000	161000
2	**CONDUITS & PIPES**				
	Supply & installing of following PVC conduit, as race ways with all accessories recessed/ surface on wall / column / under floor for Power.As per drawing and relevant specification, complete in all respect.				
i	25 mm dia PVC Pipe	210	Rm	100-	21000
3	**WIRING ACCESSORIES**				
	Supply,installing,testing and commissioning of following 10/15/16 Amps, One/Two /Three/Four gang type switches & Dimmer Switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, complete in all respects.				
i	Two Gang switch 10A	7	Nos.	500	3510
ii	Four Gang switch 10A	7	Nos.	870	6090
iii	10A, 2Pin Switched Socket Outlet	21	Nos.	1445	30345
4	**LIGHT FIXTURE & FANS**				
	Supply, installation, testing & commissioning of following light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per specification, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Surface mounted Down Lighter with Cylinderical (IP-20) with 20W,LED	42	Nos.	8500	357000
ii	Wall mounted Flood light fixture (IP-65) with 100W,LED	4	Nos.	50000	200000
iii	9" dia, Exhaust Fan	7	Nos.	3500	24500
	CARRIED TO ELECTRICAL SUMMARY =====>>>>				803435

M/S Nasee[illegible] Shah
Govern[illegible] Contractor
PROPRIETOR

S.No	DESCRIPTION	AMOUNT
A.	**SCHEDULE ITEMS**	
1	EARTH WORKS	3,262,337
2	SUB STRUCTURE	55,761,550
3	SUPER STRUCTURE	-
4	MASONRY WORKS	10,195,631
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORKS	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES (BUILDING)	10,764,258
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	
	TOTAL OF SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	**79,983,775**
B.	**(NON-SCHEDULE ITEMS)**	
1	EARTH WORKS	NOT APPLICABLE
2	SUB STRUCTURE	
3	SUPER STRUCTURE	580,000
4	MASONRY WORKS	
5	THERMAL & MOISTURE PROTECTION	
6	MATEL WORK	
7	DOORS AND WINDOWS	
8	FLOOR FINISHES	
9	WALL FINISHES	
10	CEILING FINISHES	
11	EXTERNAL FINISHES	
12	EXTERNAL FINISHES (OTHER THAN BUILDING NON COVERED AREA)	
	TOTAL OF NON-SCHEDULE ITEMS CARRIED TO GRAND SUMMARY	580,000

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		STRUCTURE WORKS				
		All items under this head (Structure) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
1		**EARTH WORKS**				
		EXCAVATIONS, BACKFILLING AND DEWATERING				
1.1	Chapter-1/Vol. III,Part-II & III,(General & PHEW)	Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto 5'-0" ft.and (Dewatering) bailing or pumping out sub soil water during excavation concreting, cast in situ concrete or masonry work in foundation. (i)Only three operation to be allowed trench volume under water to be measured first time for excavation, second time for concreting and third time for cast in situ concrete or masonry work in foundation etc.				
		a) In Sand, Ashes or Loose Soil				
	Item # 18(a)+18(i) / P-4+75/	± 0'-0" ft to -5'-0"ft	328597 Cft	%0 Cft	8,152.50	2,678,887.04
1.2	Item # 18(a)+18(i) & 16/ P-4+74+75	Add for additional lift of every three ft or part there of in items No. 1 to 15 (A & B) for excavation for pipelines & storage tanks tranches and pits.				
		From -5'-0" ft to -8'-0" ft	67044 Cft	%0 Cft	8,702.50	583,450.41
		Total Amount of Schedule Items Carried to Civil Summary				3,262,337

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
2		**SUB-STRUCTURE**				
		CONCRETE WORKS				
2.1	Chapter-4/Vol. III,Part-II (General) Item # 4(b) / P-15	Cement concrete brick or stone ballast 1-1/2" to 2" gauge (Ratio 1:4:8)	30000 Cft	% Cft	9,416.28	2,824,884.00
2.2	Chapter-4/Vol. III,Part-II (General) Item # 5(h) / P-16	Cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering (Ratio 1: 3 : 6)	1000 Cft	% Cft	12,595.00	125,950.00
		WOODEN FORMWORKS/SHUTTERING				
2.3	Chapter-4/Vol. III,Part-II (General)Item # 19b(ii) / P-18	Erection and removal of centering for R.C.C or plain cement concrete works of partal wood (shuttering / formwork)	13000 Sft	% Sft	3,127.41	406,563.30
		RCC CONCRETE (SUB-STRUCTURE)				
2.4	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge	83270 Cft	Per Cft	337.00	28,061,990.00
		STEEL REINFORCEMENT (SUB-STRUCTURE)				
2.5	Chapter-4/Vol. III,Part-II (General) Item # 8(b)/ P-17	Fabricating of tor steel reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).	4866 Cwt	Per Cwt	5,001.70	24,338,272.20
		BITUMEN COATING				
2.6	Chapter-11/ Vol-III,Part-II, (General) Item # 9 / P-71	Bitumen coating to plastered or cement concrete surface.	500 Sft	% Sft	778.09	3,890.45
		Total Amount of Schedule Items Carried to Civil Summary				**55,761,550**

M/S Nasc[illegible] Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
3		**SUPER-STRUCTURE**				
		RCC CONCRETE (SUPER-STRUCTURE)				
3.1	Chapter-4/Vol. III,Part-II (General) Item # 6 (ai) / P-16 &17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms molds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio (1:2:4) 90 Lbs. cement 2 Cft Sand 4 Cft Shingle 1/8" to 1/4" gauge				
	Item # 6 (ai)	From 0.00 to 20' Height	—	Per Cft	337.00	—
		STEEL REINFORCEMENT (SUPER-STRUCTURE)				
3.2	Chapter-4/Vol. III,Part-II (General) Item # 8(B)/ P-17 & 19	Fabricating of Tor steer reinforcement for cement concrete including cutting, binding, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	Item # 8 (b)	From 0'-0" to 12' Height	—	Per Cwt	5,001.70	—
		Total Amount of Schedule Items Carried to Civil Summary				—

M/S [illegible] Ahmed Shah
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PROPRIETOR

S.No	GOVT.OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
		NON-SCHEDULE ITESM				
3		**SUPER-STRUCTURE**				
3.3		**BARBED WIRE / RAZOR WIRE** Providing & fixing barbed wire/Razor wire (circular) fencing comprising of 12 gauge-6 points @ 75mm apart barbed wire with razor wire i/c straightening & fixing in angle iron vertical post of size 2"x 2" x1/4" thick embedded in RCC/masonry columns i/c making cuts/holders @ 12" including fixing in pillars by chiseling and filling with cement sand mortar, scraping & finishing the surface with and including 2 coats of enamel painting over a coat of primer etc, complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	20000	PSft	29/-	580000
		Total Amount of Non-Schedule Items Carried to Civil Summary				580 000

M/S
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PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
		PART-A (SCHEDULE ITEMS)				
		ARCHITECTURAL WORKS				
		All items under this head (Architectural) to be carried out as per specifications, Drawings, relevant BS/ASTM Standards, and complete in all respect and to the entire satisfaction of the Engineer.				
4		**DPC & MASONRY WORKS**				
4.1	Chapter-4/ Item # 28b / P-19 / Vol-III,Part-II,(General)	**DAMP PROOF COURSE (DPC)** Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture.	7030 Sft	%Sft	3,912.85	275,073.36
4.2	Chapter-5/ Item # 5 I(c) +6/ P-21& 22 /Vol-III,Part-II, General.	**Brick Masonry** Pacca brick work set in1:4 cement mortar in ground floor.				
		i) In ground floor up to 12'-0" height	75000Cft	%Cft	13,227.41	9,920,557.50
		ii) From 12'-0" to 22'-0" height	0Cft	%Cft	13,666.04	-
		Total Amount Carried to Civil Summary				10,195,630.86

M/S Nasrum Ahmed Shah
Government Contractor

PROPRIETOR

S.No	GOVT.OF SINDH CSR Item #/Page#/ Vol.sched ref.	DESCRIPTION	QTY	Unit (Sch.Rate)	Rate	Amount
1	2	3	4	5	6	7=4x6
11		**EXTERNAL FINISHES (BUILDINGS)**				
11.1	Chapter 9 Item # 32 / P-55 / Vol. III,Part-II,(General)	Cement plaster 1/2" thick.				
		c) 1/2" thick up to 12'-0" height	165396 Sft	%Sft	2,206.60	3,649,628.14
	Item # 11c + 29	c) 3/8" thick from12'-0" to 22'-0" height	165396 Sft	%Sft	2,197.52	3,634,610.18
11.2	Chapter 9 Item # 11c / P-52 / Vol. III,Part-II,(General)	Cement plaster 1:4 up to 12'-0" height				
		c) 1/2" thick up to 12'-0" height		%Sft	3,015.75	-
	Item # 11c + 29	c) 1/2" thick from12'-0" to 22'-0" height		%Sft	3,156.72	-
11.3	Chapter 9 Item # 34/ P-55 / Vol. III,Part-II,(General)	Extra labor rate for **making grooves** of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth, with groove base smoothly finished etc. complete in all respects as per instruction of Engineer incharge.	79513 Rft	Rft	7.71	613,045.23
11.4	(S.I.No.25/P-53)	**Colour Washing**				
		a 1st coat over white washed surface	220000 Sft	%Sft	443.27	975,194.00
		b Two coats	220000 Sft	%Sft	859.90	1,891,780.00
		Total Amount Carried to Civil Summary				**10,764,257.55**

M/S [illegible] Ahmad Shah
Govt. Approved Contractor
PROPRIETOR

Shaheed Benazir Bhutto
Girls Cadet College Larkana
Summary

S. NO.	DESCRIPTION	TOTAL AMOUNT IN PAK RUPEES
A.	**SCHEDULE ITEMS**	
1	Sewrage System	15,386,443
2	Water Supply	-
	SUB-TOTAL-A Rs.	**15,386,443**
	Add 10% Above/Below/At par on Plumbing Works of Composite Schedule of Rates 2012, GOVT. OF SINDH	1538644
	TOTAL-A Rs.	16925087
B.	**NON-SCHEDULE ITEMS**	
3	Sewrage System	1945000/-
4	Water Supply	
	SUB-TOTAL-B Rs.	1945000
	GRAND TOTAL CARRIED TO GRAND SUMMARY (A+B)	

M/S [illegible] Ahmed Shah
Government Contractor

PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
A.		(SCHEDULE ITEMS)				
1	Item #.A, 1, Pg. 60, PHEW, Chp. II, Vol. IV, Part VI- 2012	**EXCAVATION** Excavation for pipe line in trenches, and pits in all kind of soils i/c trimming and dressing sides to true alignment and shape, leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m)				
1.1		**From ± 0'-0" to -5' - 0"**	145133.00	Cu.ft	3.60	522,478.80
1.2	Item #A-16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft of part there of in item of all kinds of excavation				
1.2.1		**From -5' - 0" to -8' - 0"**	87080.00	Cu.ft	4.15	361,382.00
1.2.2		**From -8' - 0" to -11' - 0"**	87080.00	Cu.ft	4.70	409,276.00
1.2.3		**From -11' -0" to 14'-0"**	10501.00	Cu.ft	5.25	55,130.25
1.2.4		**From -14' - 0" to -17' - 0"**	1751.00	Cu.ft	5.80	10,155.80
2	Item # 24, Pg # 77 PHEW, Chp. II, Vol. IV, Part VI- 2012	**BACKFILLING** Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc, complete.	267809.00	Cu.ft	2.76	739,152.84
3	Item 18 (ii)/Pg.75 Chp. II, Vol.IV, Part VI- CSR 2012	**DEWATERING (PROVISIONAL)** Bailing of pumping out sub soil water during excavation for Pipe line, trench volume under water to be measured first time for Excavation cost in situ concrete (bedding in pipe line) and for pipe laying.etc. complete in all respect as per instruction of engineer in charge and specification.	20000.00	Cu.ft	5.43	108,600.00

M/S Nadeem Ahmed Shah
Government Contractor

PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
4	Item # 5 f, Pg # 16, Chp. 4, Vol. III, Part II- CSR 2012	**CEMENT CONCRETE** Constructing of surround pipe and pipe support in concrete CC 1:2:4 using SRC, including cost of formwork and curing etc. complete in all respect as per instruction of engineer in charge and specification.				
4.1		**Concrete Encasement**	5619.00	Cu.ft	144.29	810,779.56
5		**CONSTRUCTION OF MANHOLE**				
5.1	Item #.1, Pg. 67, PHEW, Chp. II, Vol. IV, Part VI- 2012	**EXCAVATION** Excavation for tanks and reservoir in all kind of soils i/c trimming and dressing sides to true alignment/design section/ profiles and shape, leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m)				
5.1.1		**From -5' - 0" to -8' - 0"**	7875.00	Cu.ft	3.00	23,625.00
5.2	Item #.16, Pg. 74, PHEW, Chp. II, Vol. IV, Part VI- 2012	Add for extra lift of every 3ft or part there of in above item for excavation for pipe lines & sorage tanks trenches and pits.				
5.2.1		**From -5' - 0" to -8' - 0"**		Cu.ft	3.55	-
5.2.2		**From -8' - 0" to -11' - 0"**		Cu.ft	4.10	-
5.2.3		**From -11' -0" to 14'-0"**		Cu.ft	4.65	-
5.2.4		**From -14' - 0" to -17' - 0"**		Cu.ft	5.20	-
6		**CONCRETE WORKS**				
6.1	Item 5, (i) pg# 16, chp. 4 , CSR2012	Cement concrete plain including placing compacting, finishing and curing, complete including screening and washing of stone aggregate without shuttering. **(Ratio 1:4:8)**	5125.00	%Cft	9,416.28	482,584.35

M/S Nasrullah Ahmed Shah
Government Contractor

PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
7	Item 6, (a I) pge 17, chp. 4 , CSR2012	**REINFORCED CEMENT CONCRETE** Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and which will be paid seperately.This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle).RCC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position completed in all respected.Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. ***(Ratio 1:2:4)***				
7.1		**BED SLAB , WALLS & TOP SLAB**	5000.00	Cu.ft	337.00	1,685,000.00
8	Item 9, pge 71, chp. 11 , CSR2012	**BITUMEN COATING** Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.		Sq.ft	7.78	
9	Item 8 (b), Pg-17, Chap. 4, Vol-III, Part-III, CSR2012	**STEEL REINFORCEMENT** Providing and fabrication of steel reinforcement for cement concrete, including cutting, bending, laying in position, ranking joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars). The rate includes wastage, overlaps and chairs etc. Deformed bars (60,000 psi).				
9.1		**b) Using Tor Bars**	15.00	Tonn	100,034.00	1,500,510.00

M/S [illegible] Ahmed Shah
Government Contractor
PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
10		Providing and laying F.C (Fiber Cement) Sewrage pipe (Sulphate resistance) Pipes & comet joint and fixing in renches i/c cutting, fitting & jointing with rubber rings i/c testing with water **dia 6"**	7000.00	R.ft	807.13	5,649,910.00
11		Providing R.C.C pipe with collars class "B" and digging the trenches to required depth and fixing imposition i/c cutting, fitting & jointing with maxphalt composition & cement mortar 1:1 and testing with water pressure to a head of 4 feet above to top of 6" dia (S.I.No.2/P-23) a. 9"	5550	P.Rft	250.60	1,390,830.00
12		Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6"(1067mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3,1/2" thick inside of walls and 1" (25mm) thick over benching and channel i/c fixing C.I manhole Cover with Frame of Clear opening 1-1/2' x 1-1/2' (457x457 mm) of 1.75 cwt (88.9) embedded in plain C.C 1:2:4 and fixing 1" (25mm) dia M.S Steps 6' (150 mm) Wide Projecting 4" (102mm) from the face of wall at 12" (305 mm) C/C duly Painted Etc. Complete as per standard Specification and Drawing. (a) 4" to 12" dia 2'x2'x3'-6" (S.I.No. 1/P-46))	111	Each	14748	1,637,028.00
					AMOUNT CARRIED TO SUMMARY	15,386,442.60

M/S Nasir Ahmed Shah
Govern... Contractor
PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
B.		(NON-SCHEDULE ITEMS)				
13		**SELECTED BACKFILL** Backfilling the excavated material (clean) in trenches in 150mm thick layer including watering, ramming to full compaction etc complete in all respect as per drawing ,specification and as directed by the Engineer/Representative.	2000.00	Cu.ft	735/-	1470000/
14		**PIPES (Upvc)** Providing, laying jointing, installing and fixing UPVC pipes , SN-4, Confirmed to BS3505/PS3501 (cement solvent) of class "B" & manufacturer's specification including cutting, jointing, specials, transportation loading , unloading at the site of work stacking, and testing as per standard with water minimum pressure as specified etc, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.				
14.1.1		**For Storm Water Drain (100 mm I.D)**	100.00	R.ft	800/-	80,000
14.1.2		**For House Connection (150 mm I.D)**	100.00	R.ft	1200/-	120,000
14.1.3		**For Main Sewerage Line (200 mm I.D)**	100.00	R.ft	1502/-	150,000

M/S N... Gove... ...med Shah
...ntractor

...PRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
15		**SEWERAGE TREATMENT PLANT** Design Supply, Installation, testing and commissioning of EPC based return, Sewerage activated sludge type fully automatic packaged type treatment plants, of capacities as specified below, Plants shall be of approved manufacturer and suitable for handing domestic waste water. Plant shall be complete with civil works such as equalization tank etc (if required), also including steel structures, piping / fittings valves. Electro-Mechanical Equipment etc instrumentationf, painting etc, for the whole system, plant shall include but not limited to the components necessary for the effective completion and operation of the plant such as lift pumps, sludge pumps, effluent pumps, air blowers, fine screen, aeration chamber sedimentation tank, disinfection system, pressure sand filter(s) & activated carbon filter(s) with allied components for tertiary treatment of waste water giving an effluent of quality to use for plantation and road sprinkling, plant shall be complete in all respects as specified and as directed by the Engineer-In-charge. Plants shall be of following capacities: **Average daily flow : 80,000UK GPD**	1.00	Job	—	—
16		Supply & fixing of motor 20HP complete in all respects i/c wiring, dishcarge M.S pipe from sumpwell to drainage pipe for sewerage	2.00	Each	—	—
17		Supply & fixing of including excavation & back filling of pressure pipe 8" dia for sewerage pump from sump well to Dadu Canal	5000.00	P.Rft	—	—

M/S [illegible] Junaid Shah
Govern[illegible] Contractor

PROPRIETOR

S.NO	GOVT. OF SINDH CSR 2012 Item #/Page#/ Vol.sched ref.	ITEM DESCRIPTION	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	2	3	4	5	6	7=(4X6)
18		**HOUSE CONNECTION RCC CHAMBER** construction of House connection chamber of size 750 mm x 750 mm x 750 mm including Bed Slab, C.C Walls, RCC cover with frame also including cost of material, excavation of earth, backfilling, formwork disposal of surplus material etc, complete in all respect as per drawings, specifications and as directed by the Engineer Incharge.	3.00	Job	45000	135000
						194500/-
				AMOUNT CARRIED TO SUMMARY		

M/S
Govt. ... Shah
... Contractor
PROPRIETOR

Shaheed Benazir Bhutto
Girls Cadet College Larkana

Name of Work: Internal Road Network

Summary					
	Cost of Scheduled Items	Cost of Non Scheduled Items	Premium on Schedule of item rate	Cost	Total Cost
	Items (Rs.)	Items (Rs.)			(Rs.)
Road Work	64,182,380	1424604	12515564 19.5%	76697944	90944048
					90944048
				Total	90944048
				Say	90944042

M/S [illegible] Ahmed Shah
Govt. [illegible] Contractor
PROPRIETOR

Shaheed Benazir Bhutto
Girls Cadet College Larkana

Name of Work : **Internal Road Network**

S.No	Description of Item	Unit	Qty	Rate (Rs.)	Amount
1	Earth work excavation of road side nalies including forming its banks or putting the same on embankment as directed clod breaking dressing etc, complete throw work) (In ordinary soil) (S.I.No.4/P-1)	%oCft	408658	1437.00	587,241.55
2	Supplying and stacking and spreading i/c rolling over pit sand/ canal sand etc complete.	%Cft	138179	1720.66	2,377,590.78
3	Preparing sub-base course by supplying and spreading well graded pit are bed run gravel heaving a liquit not greater that 25 and plastis city index not greater that 6 in proper camber and grade inculding watering rolling and compacting in layers, thick of each compacted. layer not executing 6" compacted upto 98-100% density as per modified ASSHO density (rate i/c all cost of materials T&P and carriage upto 3 chains).(pit run gravel) (P.No 3 S.I No - 11 -B).	%Cft	112454	7237.53	8,138,891.99
4	Preparing Sub base course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" and required thickness to proper camber and grade i/c supplying and spreading 10 cft: screening and non plastic quarry finesfilling depression with stone metal after intial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specifications. (This i/c providing and using templates camber plates screen forms as directed. Rate i/c all cost of material T&P and carriage upto site of work.) (P.No 3 S.I. No -11 -A)	%Cft	149939	8635.62	12,948,162.27
5	Laying bricks on end edging supplying of 9"x 4 1/2"x3" fisrst class bricks, exavation for laying with small side parallel to the road, (Ratae includes all cist of material labour, T&P and carriage upto site work).(P.No 4 S.I.No -12)	%rft	19580	2792.48	546,767.58
6	Preparing base course i/c supplying and spreading stone metal of approved quality from approved quarry properly graded to maximum size of 1 1/2" and required thickness to proper camber and grade i/c supplying and spreading 15 cft: screening and non plastic quarry finesfilling depression with stone metal after intial rolling i/c watering and compacting the same so as to achieve 100% density as per modified AASHO specifications. (This i/c providing and using templates camber plates screen forms as directed. Rate i/c all cost of material T&P and carriage upto site of work.) (P.No 05 S.I. No -13- A)	%Cft	112454	9677.77	10,883,039.48

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	Description of Item	Unit	Qty	Rate (Rs.)	Amount
7	Providing surface dressing 1st coat on new or existing surface with 30 lbs bitument and 4.0 cft bajri or required size including cleaning the road surface rolling etc, (Rate i.c all cost of material and carrage upto site of work.(P.No 6 S.I No -16- B)	%Sft	149939	1666.70	2,499,033.31
8	(2" thick) Laying to Proper line and grade plant nixed asphalt concrete paver finished (hydarulic/ electronic control) prepared to specified formula according to job mix formula approved by Engineer inchange rolling and finishing to preperline grade level and camber etc(Machinary with pols cost of material carriage) (P.No 10 S.I No -24 B)	%Sft	149939	9153.3	13,724,366.49
9	Earth work for road embankment by bulldozers including ploughing mixing clod breaking dressing and compacting with optimum moisture content. Lead upto 100 ft: and lift upto 5ft: in all types of soil except rock.(EARTH WORK ON BERMS)	%0Cft	139521	8002.47	1,116,512.62
10	Provinding and fixing precast edge bolck 3750 PSI industrial made size 6 inches thick x 12inch long x 12 inches high including the cost of cartage, excavation from work for haunching 1450PSI lean concrete 2250 PSI concrete for haunching 1:4 cement sant mortor.(P.No 16 S.I.No 14)	Rft	5410	297.01	1,606,824.10
11	**Cat Eyes / Road Studs** Supplying and fixing of reflectorize road studs duble face , flush surface type (P.No 15- S.i.No 12)	P.No.	2426	596.23	1,446,453.98
12	**Tharmo Plastic paint** Pavement marking in Reflective tharmo plastic paint for lines of 6" width. (P.No 15 S.I No 13)	P.Rft	29672	41.24	1,223,673.28
13	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / guddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc: complete (S.I.No.74/P-49)	P.Sft	10000	223	2,230,000.00
14	Supply of shingle gravel and rock (dry) not requiring blasting i/c dressing and leveling in 6" layers compacting with sheep foot roller with optimum content as per modified AASHO specification. Compacted up ot 85% density.	%Cft	30000	16179.41	4,853,823.00
		Total			**64,182,380.42**
		Say			**64,182,380.00**

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR

S.No	Description of Item	Unit	Qty	Rate (Rs.)	Amount
Non-Schedule Items					
	Add Escalation of Bitumen				
1	a. 1st Coat	P.Ton	20	16435	328660
	b. Prime Coat	P.Ton	68	16433	1117444
2	Providing and laying reinforcement cement conrete foundation for electric poles (size 1M x 1M x 1M) having ratio 1:2:4 and fabrication of mild stel 1/2" thick including cutting, bending, and laying in position. Foundation bolt 15mm thick fixed in concrete 2ft long complete with all respect.	Each	25	50000	1250000
3	Fabrication of MS light poles consisting of MS pipe 8 SWG a. MS base plate 10mm thick 15" x 15" b. Bottom pipe 5" dia 10ft c. Middle pipe 4" dia 05ft d. Top curve pipe 2" dia 07ft e. Apply 1st coat of red oxide for anti corrosion and remaining 2	Each	25	150000	3750000
4	Providing and fixing light fixture LED light 100 watts with energy saver complete with electrical wiring as per instruction of Engineer.	Each	50	110000	5500000
5	Providing and fixing distribution board / Bus bar panal (400amp) as per sample	Each	2	50000	100000
6	Supply connecting, jointing with gland bushes, thimble etc of 4 core armored cable (Pakistan Cable) including excavation of trenches (3' x 1.5') fixing of Cable and refilling of earth / sand as per direction of Engineer. a. Cable 16mm Copper (4 Core)	P.mtr.	1000	2200	2200000
				Total	14246104
				Say	

M/S Naseem Ahmed Shah
Government Contractor

PROPRIETOR