



**PROJECT MANAGEMENT UNIT**  
**FLOOD EMERGENCY RECONSTRUCTION PROJECT (FERP)**  
**IRRIGATION DEPARTMENT**  
**GOVERNMENT OF SINDH**

MUB  
6) R3  
21-11-12  
19

No: PD/FERP/1131

Hyderabad, Dated: 16-11-2012

To,

✓  
The Manager (CB),  
Sindh Public Procurement Regulatory Authority,  
Government of Sindh,  
Karachi.

**SUBJECT: NIT NO. PD/FERP/565, DATED 17-05-2012 (CONTRACT NO. CD-01-ADB/IRR/SINDH/FERP)**

Reference: Your office No. DIR (CB-1545/SPPRA/3-2(HYD)/12-13/1444,  
dated 07-11-2012.

I am directed to mention letter referred above. The required documents are submitted herewith as desired for further necessary action.

  
(Ghulam Mohiuddin Mughal)  
Deputy Director (Procurement)  
Flood Emergency Reconstruction Project  
Hyderabad

C, c to,

The Secretary, Irrigation Department Government of Sindh, Karachi  
for information.

Employer to please ensure that no professional engineering work shall be executed without employing adequate number of engineers duly registered with PEC in case of violation action would be taken under section 27 of the Act and relevant provisions of the bye-laws. A copy of Acceptance Letter / Work Order must always be endorsed to PEC



Serial No 231051  
PEC-5A

**CATEGORY C-FOUR**

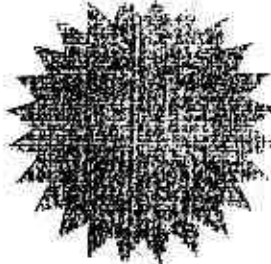
## PAKISTAN ENGINEERING COUNCIL

Licence No. 207/2012 Category C-4 Validity 31st December, 2012

### LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR (Under the bye-laws of Pakistan Engineering Council 1987)

This is to certify that Mrs. **MADNI ENGINEERING CONSTRUCTION CO.** (Licensee) with its registered office at **Phase 5 Chorangi Military Road Sukkur** has/have been licensed under Construction and Operation of Engineering Works Bye-Laws 1987, until the validity date to construct and operate engineering works, the construction/capital cost of which does not exceed Rs. **100 (ONE HUNDRED)** Lakhs, provided the licensee fulfils all the qualification requirements prescribed by Client or Employer for a particular engineering work; and subject to the licensee continuing to fulfil all the requirements of the bye-laws. Field of Specialization **CE01, CE04 (IRRIGATION), CE09 & CE10 (FOUR ONLY)** Specialization Code Nos. for detail see overleaf

**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana  
Issue 26/03/2012



**Registrar**  
Pakistan Engineering Council,  
Islamabad.

1. This Certificate of Registration is valid until 31st December 2012. It should be renewed on payment of the required fee for the next year. Application of renewal for the next year should be submitted by 05 November 2012.
2. Names of Professional Engineers working with the firm are shown on the reverse. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor and inform the Council accordingly.
3. This Licence shall be renewed before 31st March, 2013 without late payment surcharge.



Employer to please ensure that no professional engineering work shall be executed without employing adequate number of engineers duly registered with PEC. In case of violation action would be taken under section 27 of the Act and relevant provisions of the Bye-laws. A copy of Acceptance Letter/Work Order must always be endorsed to PEC.



Serial No 231603  
PEC-5A

**CATEGORY C-B**

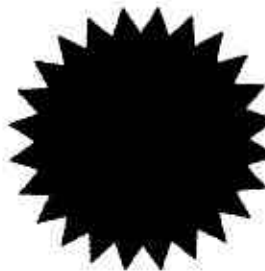
## PAKISTAN ENGINEERING COUNCIL

Licence No. 70 ..... Category C-B ..... Validity 31st December, 2012

### LICENCE OF PAKISTANI CONSTRUCTOR/OPERATOR ( Under the bye-laws of Pakistan Engineering Council 1987 )

This is to certify that M/s. GALANDEE BUX ABRO & CO ..... (Licensee)  
with its registered office at SUITE#710, MASHRIQ CENTER, ST#6-A, BLOCK-14,  
GULSHAN E TOHAL KARACHI  
has/have been licenced under Construction and Operation of Engineering Works Bye-Laws  
1987, until the validity date of construction of engineering works, the construction cost  
of which does not exceed Rs. 2000 (TWO THOUSAND) million, provided the licensee fulfils all  
the qualification requirements prescribed by Client or Employer for a particular engineering  
work; and subject to the licensee continuing to fulfil all the requirements of the bye-laws.  
Field of Specialization CE01, 02, 04, 09, 10, EE01, 05, 06 (EIGHT ONLY) XXXXXXX  
(Specialization Code Nos. for detail see overleaf)

Date of Issue 17/04/2012



*Atiq ur Rehman*  
Registrar

Pakistan Engineering Council,  
Islamabad.

- Note:
1. This Certificate of Registration is valid until 31st December 2012. It should be renewed on payment of the required fee for the next year. Application of renewal for the next year should be submitted by 05 November 2012.
  2. Names of Professional Engineers working with the firm are shown on the reverse. The Consulting Engineer (the Engineer Incharge in case the consultant is not appointed) shall monitor the number of engineers employed by the Constructor and inform the Council accordingly.
  3. This Licence shall be renewed before 31st March, 2013 without late payment surcharge.

**OFFICE OF THE EXECUTIVE ENGINEER**  
Larkana Drainage Division, Larkana

Reference No: TC /528

Date: 13-06-2012

To :

**M/s Madni Engineering Construction Company / Cemcon JV**

**Package No: CD1: Restoration/Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.**

**Subject: Notification of Award**

**(Bid Number: NCB-CD1-FERP/Irrigation-Sindh)**

This is to notify you that your Bid dated 8<sup>th</sup> June, 2012 consisting of the **Technical and Price Bids** for execution of the **Restoration/Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works. NCB-CD1-ADB/IRR/Sindh/FERP**, for the Accepted Contract Amount of the equivalent of **PRs 495,793,483 (Four Hundred & Ninety Five Million, Seven Hundred & Ninety Three Thousand, Four Hundred & Eighty Three Pakistan Rupees only)** as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by the **Procurement Committee.**

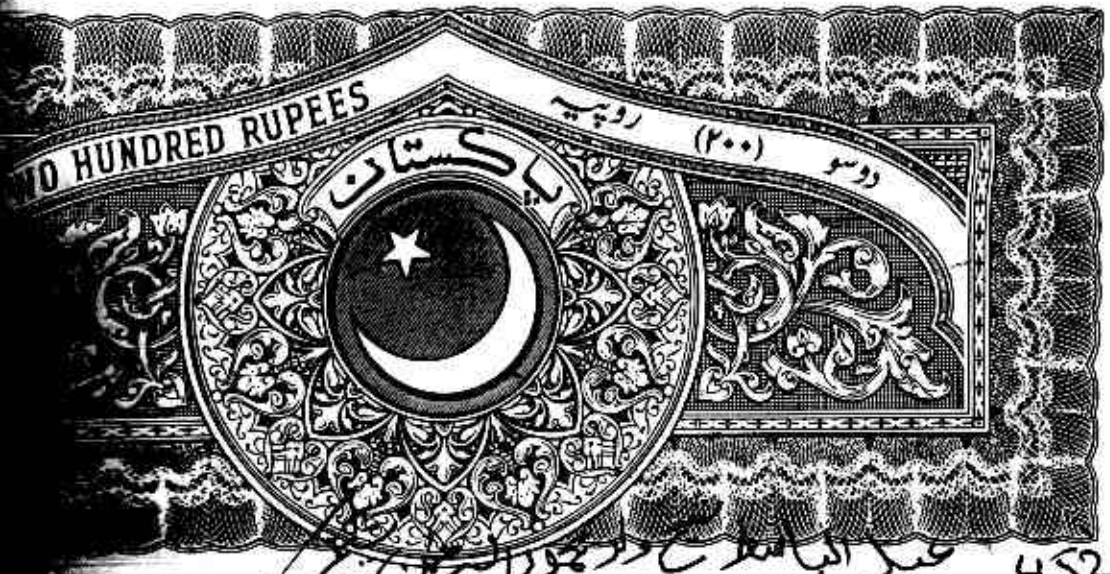
You are requested to furnish the Performance Security in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document. Please find attached Appendix 1. We would appreciate if your authorized Representative could meet the undersigned before 15-06-2012 for agreeing certain time lines stipulated therein. (Appendix, 1).



Abdul Ghafoor Somoroo  
Executive Engineer  
Larkana Drainage Division, Larkana  
*Executive Engineer*  
**Larkana Drainage Division**  
**Larkana.**

Cc : Chief Engineer, Irrigation Development in Sindh  
PD PMU, FERP Hyderabad  
Project Manager, PMC, Hyderabad  
Procurement Specialist, ADB-FERP (051-260 0366)





عبدالباقي احمد مدني  
4521

### Contract Agreement



AGREEMENT made the 20th day of JUN 2012, between Sindh Irrigation and Department (SID), through Executive Engineer Larkana Drainage Division Durrana (hereinafter "the Employer"), of the one part, and M/s Madni Engineering Construction Company (Pvt.) (hereinafter "the Contractor"), of the other part: WHEREAS the Employer desires to execute the works known as "Package No. CD-1: Restoration / Rehabilitation of Shahdadkot & Larkana Drainage Systems & Allied Structure Works.

Contracted by the Contractor, and has accepted a Bid by the Contractor for the execution of these Works and the remedying of any defects therein, The Employer and the Contractor agree as follows:

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

The following Documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract Documents.

- The Letter of Acceptance
- The Letters of Technical Bid and Price Bid
- The Addenda Nos ..... Nil .....
- The Particular Conditions
- The General Conditions;
- The Specification
- The Drawings;
- The completed Schedules,
- the cash flow projections; and
- The environment management plan (EMP)

In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works, and the remedying of defects therein, 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 in accordance with the laws of Islamic Republic of Pakistan on the day, month and year indicated above.



Signed by \_\_\_\_\_

Signed by \_\_\_\_\_

for and on behalf of the Employer  
in the presence of

for and on behalf of the Contractor  
in the presence of

*Abdul Hafiz Soomro*  
NIC # 43203-0825865-3

*Mansoor Iqbal Shaikh*  
NIC # 43203-4062922-3

Witness Name, Signature, Address, Date

Witness Name, Signature, Address, Date

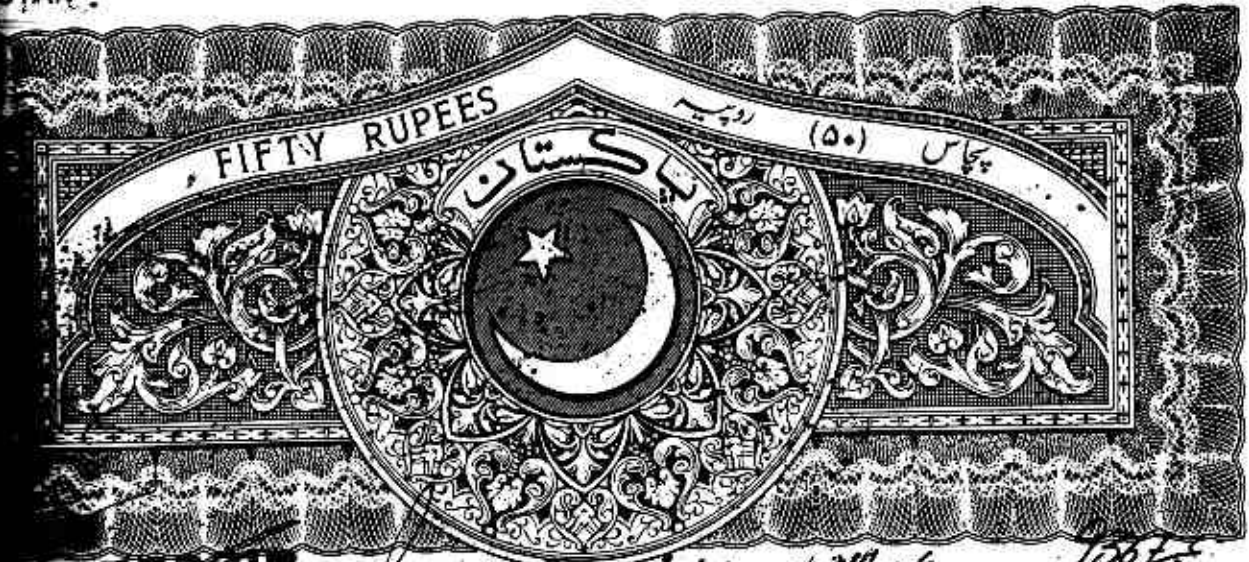
*Mahmood Raza*  
NIC # 43504-5885943-3

*Abdul Basit*  
48202-704288-1



*[Signature]*  
Assistant Accountant  
District Accounts Office Hyderabad

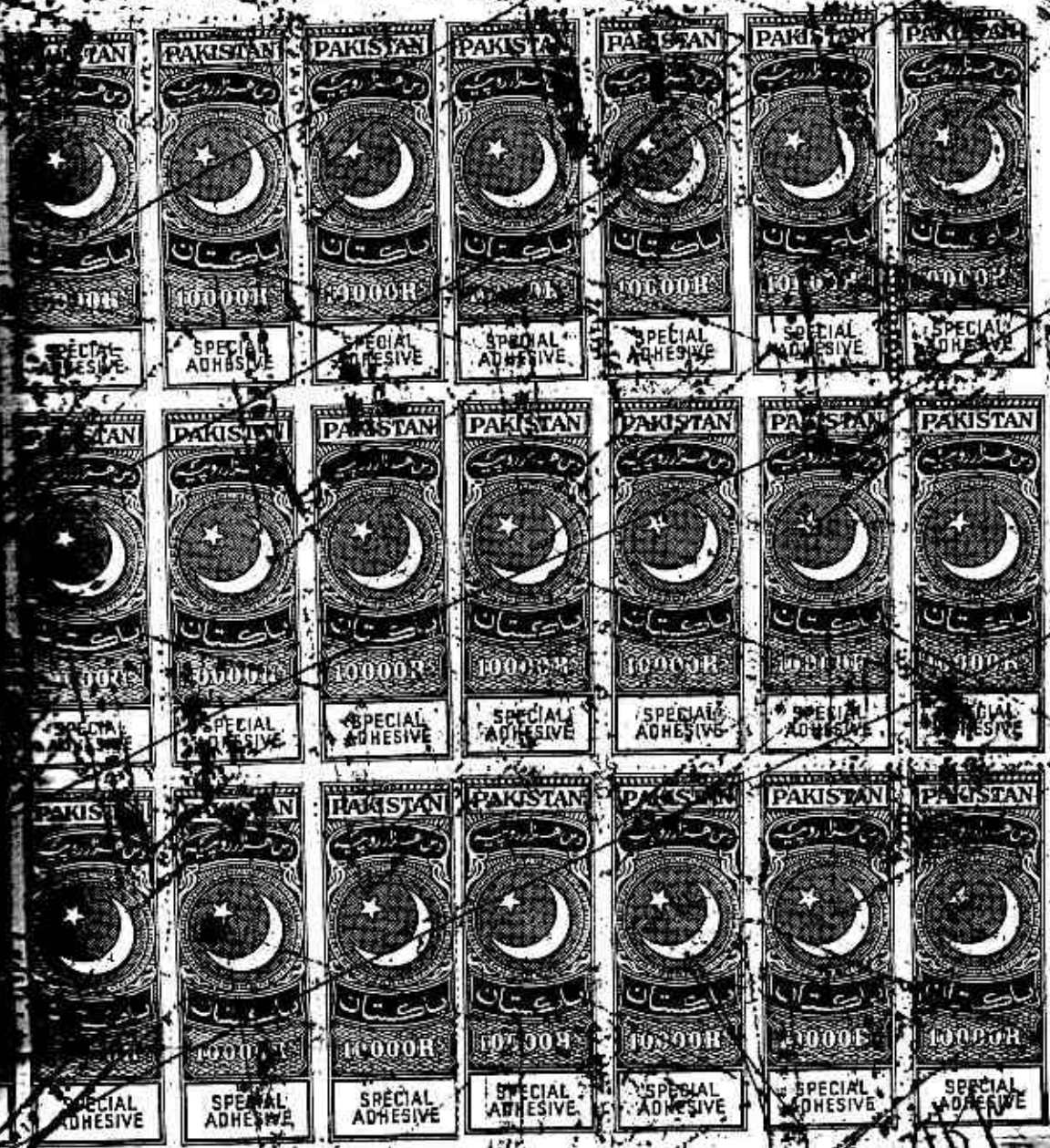




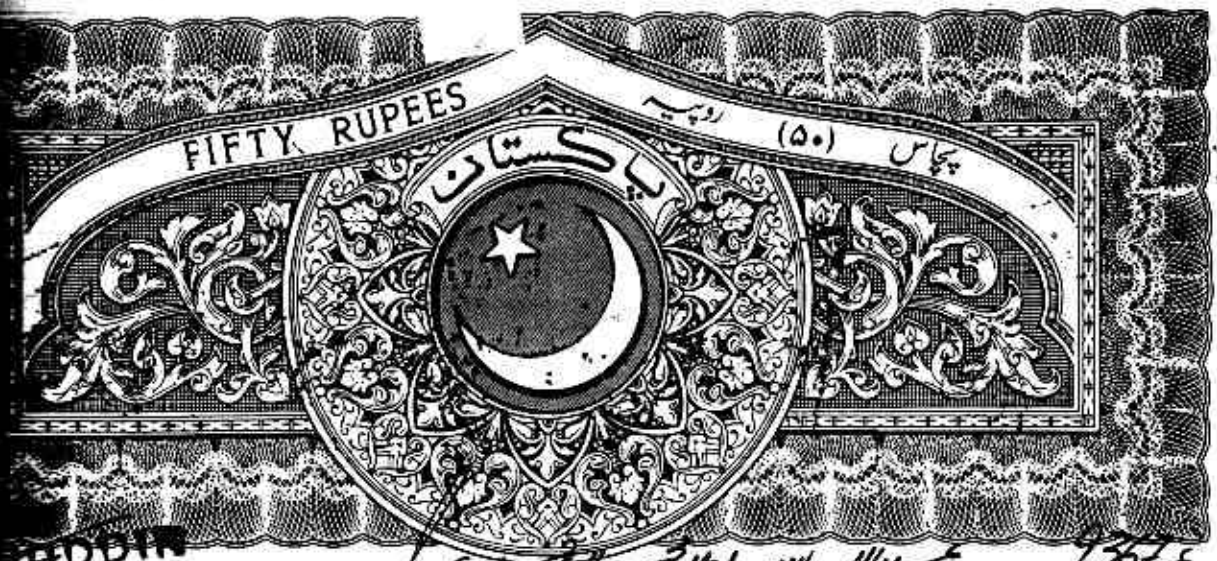
PRINTED BY  
 Government of Sindh  
 No. 23, Shed No. 8,  
 Government Press, Hyderabad

محمد اسحاق ولد شيرين

1007  
 27 JUN 2012







ADDIN  
 at 23, Sada No. 8  
 Hyderabad

*Handwritten signature in Urdu script*

21 JUN 2012



Assistant Accountant  
 Hyderabad



**Evaluated Costs**

**Package No. CD1: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.**

**M/S Madni Engineering Construction Company/CEMCON J.V**

Items	Quantities	Unit	Rate	Amount
<b>Shahdad kot Drainage Sysytem</b>				PRs
Diamantling Cement concrete reinforced separating reinforcement from concrete cleaning & strengthening.	27940	Cft:	25	698,500.00
Diamantling cement concrete Plain 1:3:6	13204	Cft:	9	118,836.00
Diamantling brick work in lime or Cement mortar	75351	Cft:	4	301,404.00
Borrow pit Excavation undressed lead up to 100 ft: (a) ordinary soil	10184049	Cft:	4.5	45,828,220.50
Extra for every 50 ft. additional lead or part there of (a) for earth work ( Sof Ordinary and hard ).	1327924	Cft:	2	2,655,848.00
Supply of clean screened (River or Pit) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner.	1466248	Cft:	0.2	293,249.60
Dressing and leveling of Earth work to designed section etc complete. b) in ordinary or hard soil	3974057	Cft:	1.8	7,153,302.60
Carriage of 100 Cft/ 5 tones of all material like stone aggregate, spawl, coal, lime, surkhi etc B (3) rail fastening points and crossing bridges, girders, pipes, 10" x 5" or 1000 mounds of fuel wood by trucks or any other means owned by the contractors i/c supply of material from source to site of work.	7192761	Cft:	7.5	53,945,707.50
Excavation in foundation of buildings, bridges & other structure i/c dag belling, dressing refilling around the structures with excavated earth watering & remaining lead up to 5 ft. in ordinary soil	820958	Cft:	2	1,641,916.00
Extra for wet earth work.	262883	Cft:	0.9	236,594.70
Full hire charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, plate forms required for placing Pumps etc. @ lower depths with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection & dismantling after completion of the job. Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench.	1478	Days	1000	1,478,000.00

**Executive Engineer**  
**Larkana Drainage Division**  
**Larkana**

11	For working the pump beyond 8 Hours: The hire of the Pumping set itself being for 24 Hours (included in above item No 10)	23648	Hours	100	2,364,800.00
11	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:3:6 i/c supply of material from source to site of work .	112942	Cft:	95	10,729,490.00
11	Placca brick work other than buildings i/c striking of joints up to 20 ft. height in cement sand mortar 1:3 i/c supply of material from source to site of work.	183059	Cft:	80	14,644,720.00
11	Erection and removal of centering for RCC or plain cement concrete work of Decdar wood 2nd class vertical .	26742	Sft:	5	133,710.00
11	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:2:4 i/c supply of material from source to site of work.	27288	Cft:	125	3,411,000.00
11	Reinforced cement concrete work i/c 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 moulds lifting, shuttering ,curing ,rending & finishing the exposed surface (i/c screening & washing of shingle) (a) R.C. work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or pre cast laid in position completed in all respects. (i) Ratio (1:2:4) 90 lbs cement, 2 cft: sand, 4 cft: shingle 1/8" to 1/4" gauge i/c supply of material from source to site of work.	177968	Cft:	180	32,034,240.00
10	Fabrication of mild steel reinforcement for cement, concrete including cutting bending lying in position making joints and fastenings including cost of binding wire also includes removal of rust from bars i/c supply M.S from source to site of work.	8449	Cwt:	5000	42,245,000.00
10	Cement Pointing struck joints on walls (b) Ratio 1:3 i/c supply of material from source to site of work.	35143	Cft:	6	210,858.00
10	Re handling of earthwork. (b) Up to a lead of 80ft.	3008268	Sft:	0.8	2,406,614.40
11	Earth work excavation in irrigation channel, drains etc dressed to designed section grade and profile excavated material disposed off and dressed within 50 ft. lead (a) in ordinary soil.	7384316	Cft:	2	14,768,632.00
11	Stone filling dry hand packed as filling behind retaining walls or in pitching and aprons i/c supply of material from source to site of work.	32150	Cft:	25	803,750.00

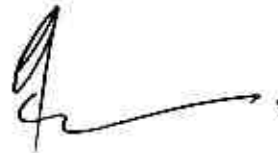
  
 Executive Engineer  
 Urdhva Drainage Division  
 Lucknow.

11	Formation dressing & Preparing sub grade (b) on Slope.	58360	Cft:	1.5	87,540.00
11	Stone pitching including sub base with hammer dressed stone on surface laid in course i/c supply of material from source to site of work.	111700	Cft:	42	4,691,400.00
11	Cement Plaster up to 20' height (b) 1:2 " thick ratio 1:3 i/c supply of material from source to site of work.	38373	Sft:	9	345,357.00
11	Earth work compaction (Soft, ordinary or hard soil), laying earth in 6" layers leveling & dressing, watering etc complete.	11796327	Cft:	0.7	8,257,428.90
11	Preparing base course i/c supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" in required thickness to proper camber and grade i/c supply and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling i/c watering and compaction the same so as to achieve 100% density as per modified AASHO specification. ( Rate i/c all cost of materials T&P ).	3360	Cft:	8	26,880.00
11	<b>MIRO KHAN DRAINAGE SYSTEM</b>				
11	Dismantling Cement concrete reinforced separating reinforcement from concrete cleaning & strengthening.	8026	Cft:	25	200,650.00
11	Dismantling cement concrete Plain 1:3:6.	2496	Cft:	9	22,464.00
11	Dismantling brick work in lime or Cement mortar.	22630	Cft:	4	90,520.00
11	Borrow pit Excavation undressed lead up to 100 ft: (a) ordinary soil.	9524092	Cft:	4.5	42,858,414.00
11	Extra for every 50 ft: additional lead or part there of (a) for earth work ( Sof Ordinary and hard ).	2253335	Cft:	2	4,506,670.00
11	Supply of clean screened (River or Pit) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner.	218550	Cft:	0.2	43,710.00
11	Dressing and leveling of Earth work to designed section etc complete. b) in ordinary or hard soil.	1570857	Cft:	1.8	2,827,542.60
11	Carriage of 100 Cft:/ 5 tones of all material like stone aggregate, spwal, coal, lime, surkhi etc B G, rail fastening points and crossing bridges, girders, pipes, 10" x 5" or 1000 mounds of fuel wood by trucks or any other means owned by the contractors i/c supply of material from source to site of work.	7146362	Cft:	7.5	53,597,715.00

  
 Executive Engineer  
 Mir Khan Drainage Division  
 Lucknow.



Excavation in foundation of buildings, bridges & other structure i/c dag bellings, dressing refilling around the structures with excavated earth watering & remaining lead up to 5 ft. in ordinary soil.	518959	Cft:	2	1,037,918.00
Extra for wet earth work.	176755	Cft:	0.9	159,079.50
Full hire charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, plat forms required for placing Pumps etc. @ lower depths with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection & dismantling after completion of the job (iv) Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench.	742	days	1000	742,000.00
For working the pump beyond 8 Hours the following payment Shall be made. The hire of the Pumping set it self being for 24 Hours (ii) for a pumping set of Upto 10 HP (but not less than 5 HP).	11872	Hrs:	100	1,187,200.00
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:4:8 i/c supply of material from source to site of work.	64	Cft:	70	4,480.00
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:3:6 i/c supply of material from source to site of work.	54085	Cft:	95	5,138,075.00
Face brick work other than buildings i/c striking of joints up to 20 ft. height in cement sand mortar 1:3 i/c supply of material from source to site of work.	154654	Cft:	80	12,372,320.00
Erection and removal of centering for RCC or plain cement concrete work of Deodar wood 2nd class vertical.	9727	Sft:	5	48,635.00
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:2:4 i/c supply of material from source to site of work.	3597	Cft:	125	449,625.00



Executive Engineer  
 Lucknow Drainage Division  
 Lucknow.



10	Reinforced cement concrete work i/c 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 moulds lifting, shuttering, curing, rendering & finishing the exposed surface (i/c screening & 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 completed in all respects. (i) Ratio (1:2:4) 90 lbs cement, 2 cft. sand, 4 cft. shingle 1/8" to 1/4" gauge.	47469	Cft:	180	8,544,420.00
11	Fabrication of mild steel reinforcement for cement concrete including cutting bending lying in position making joints and fastenings including cost of binding wire also includes removal of rust from bars i/c supply M.S from source to site of work.	2662	Cwt:	5000	13,310,000.00
12	Cement Pointing struck joints on walls (b) Ratio 1:3 i/c supply of material from source to site of work.	22378	Sft:	6	134,268.00
13	Re handling of earthwork. (b) Up to a lead of 300 ft.	993746	Cft:	0.8	794,996.80
14	Earth work excavation in irrigation channel, drains etc dressed to designed section grade and profile excavated material disposed off and dressed within 50 ft. lead (a) in ordinary soil.	2114036	Cft:	2	4,228,072.00
15	Stone filling dry hand packed as filling behind retaining walls or in pitching and aprons i/c supply of material from source to site of work.	29138	Cft:	25	728,450.00
16	Formation dressing & Preparing sub grade (b) on Slope.	88306	Sft:	1.5	132,459.00
17	Stone pitching including sub base with hammer dressed stone on surface laid in course i/c supply of material from source to site of work.	133758	Cft:	42	5,617,836.00
18	Cement Plaster up to 20' height (b) 1:2" thick ratio 1:3 i/c supply of material from source to site of work.	21385	Sft:	9	192,465.00
19	Earth work compaction (Soft, ordinary or hard soil), laying earth in 6" layers levelling & dressing complete i/c supply of material from source to site of work.	9599950	Cft:	0.7	6,719,965.00
20	Providing RCC Pipes and collars of class B and fixing in trench, i/c cutting, fitting and jointing with maphalt composition and cement mortar (1:1) i/c testing with water to a head of 22.5 meter or 75 (24" dia).	192	Rft:	700	134,400.00
21	Making & Fixing grating in opening i/c fixing @ site with flat iron 2" x 3/8" & 3/4" Sq. bars @ 4".	840	Sft:	200	168,000.00

  
 Executive Engineer  
 Lakshmi Drainage Division  
 Lakshmi.

First class deodar wood. Wrought joinery in doors and windows etc fixed in position i/c -hookets hold fasts hinges iron tower bolts -hook cloats handles and cords with hooks etc. -deodar panalled or panalled glazes or fully glazed (b) 1 - 3/4" thick.	220	Sft:	440	96,800.00
Painting old surfaces (i) Painting doors and windows any type in 02 coats.	1060	Sft:	10	10,600.00
White washing (c) 03 coats.	1894	Sft:	3	5,682.00
Colour washing two coats.	1894	Sft:	2	3,788.00
Primary coat of chalk distemper.	2309	Sft:	2	4,618.00
Distemping (b) two coats.	2309	Sft:	6	13,854.00
Deodar 1st Quality .	15	Cwt:	5000	75,000.00
Replacement of old KSB Turbine pumps with new KSB pump, PNW 500-470 Tubular casing of 26 cusecs discharge with head as per site, water lubricated & delivery pipe required as per site of (470mm dia & 6.47mm thick) with 80 HP Electric Motor 960 RPM & MCU (of Siemens), copper cable 37/083 (4core) 120mm of 440 volt & bus bar required at site in respect with all accessories i/c civil works.	10	Each	6500000	65,000,000.00
Supplying of chain pully 5 tons 20 meters chain.	1	Each	15000	15,000.00
Providing & Fixing of T-ransformer (630KVA) i/c all accessories @ Miro Khan Pumping Station.	1	Each	3800000	3,800,000.00
Supplying of 4 core copper wire 37/083 (240 mm)	600	Meter	5500	3,300,000.00
Provisional Sum				500,000.00
Contigencies				5,462,792.00
Total Amount				495,793,483

The Bidder's Evaluated Final Price Bid for Package CD1 is PRs 495,793,483

Representative Engineer  
 Miro Khan Drainage Division  
 Barhane



Sindh Irrigation Department (SID), through  
Executive Engineer Larkana Drainage Division, Larkana

**BID EVALUATION REPORT**

**FOR**

**Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.**

**IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB)  
using Single Stage: Two Envelope Procedure**

**ADB Loan No 2742/2743-PAK (SF): Flood Emergency Reconstruction Project (FERP)**

**8<sup>th</sup> June 2012**



**Abdul Ghafoor Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana**

Sindh Irrigation Department (SID), through  
Executive Engineer Larkana Drainage Division, Larkana

**BID EVALUATION REPORT**

**FOR**

**Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.**

**IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB)  
using Single Stage: Two Envelope Procedure**

**ADB Loan No 2742/2743-PAK (SF): Flood Emergency Reconstruction Project (FERP)**

**8<sup>th</sup> June 2012**



**Abul Ghafoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

**OFFICE OF THE EXECUTIVE ENGINEER  
Larkana Drainage Division, Larkana**

Reference No: TC / 1461

Date: 8<sup>th</sup> June 2012

To

Salman Memon  
Project Director  
PMU-Flood Emergency Reconstruction Project  
Hyderabad

**Subject: Bid Evaluation Report- Package CD-1: Restoration / Rehabilitation of  
Shahdadt and Mirokhan Drainage system and allied structures works.**

**(Bid Number: NCB-CD-1-FERP/Irrigation-Sindh)**

Dear Sir,

This is with reference to the subject cited above. Please find attached Bid Evaluation Report for CD-1 for your kind perusal

Regards




Abdul Ghafoor Somro  
Executive Engineer  
Larkana Drainage Division, Larkana  
Abdul Ghafoor Somro  
Executive Engineer  
Larkana Drainage Division  
Larkana




Basic Data Sheet

1	Project Title	<b>Flood Emergency Reconstruction Project (FERP)</b>
2	Loan Number	<b>2742/2743-PAK (SF)</b>
3	Contract Title	<b>Restoration / Rehabilitation of Shahdaddock and Mirokhan Drainage system and allied structures works.</b>
4	IFB No.	<b>CD-1-ADB/IRR/Sindh/FERP (NCB)</b>
5	Bid Number	<b>NCB-CD-1-FERP/Irrigation-Sindh</b>
6	Estimated Value	<b>PRs 370 Million</b>
7	Date for Invitation for Bids	<b>21-May-12</b>
8	Mode of Procurement	<b>National Competitive Bidding</b>
9	Total no of Bids Issued	<b>7</b>
10	Bid Closing Date and Time	<b>12:00 hrs on 6-Jun-2012</b>
11	Bid Opening Date and Time	<b>13:00 hrs on 6-Jun-2012</b>
12	Number of Bids Received	<b>2</b>
13	Bid Validity Expires	<b>3-Sep-2012</b>
14	Validity of Bid Security Expires on	<b>1-Oct-2012</b>
15	Place of Bid Opening	<b>Chief Engineer, Irrigation, Development in Sindh Block-D, Shahbaz Building Hyderabad</b>
16	Bid Security Required	<b>PRs 7,400,000</b>
17	Average Annual Construction	<b>PRs 370 Million</b>


  
**Abdul Ghaffar Soomro**  
 Executive Engineer  
 Larkana Irrigation Division  
 Larkana

## ANNEXURE 1-TECHNICAL EVALUATION

  
**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana


## TABLE OF CONTENTS

1. INTRODUCTION
  - 1.1 Introduction
  - 1.2 Project Description
    - (a) Location and Access
    - (b) Works under the Contract
  - 1.3 Bidding Document and Post-Qualification
  - 1.4 Invitation for Bid
  - 1.5 Submission of Bids
  - 1.6 Technical Proposal Opening
  - 1.7 Basic Data
  - 1.8 Bid Evaluation Committee
2. EXAMINATION FOR COMPLETENESS OF BIDS
  - 2.1 Bid Documents
  - 2.2 Bid Security and Bid Validity
  - 2.3 Details of Bidders Profile
  - 2.4 Examination of Completeness of Bids
3. DETERMINATION OF SUBSTANTIVE RESPONSIVENESS OF BIDS
  - 3.1 Bidders' Qualifications
  - 3.2 Adequacy of Technical Proposal
    - 3.2.1 Personnel
    - 3.2.2 Equipment
    - 3.2.3 Site Organization
    - 3.2.4 Method Statement
    - 3.2.5 Mobilization Schedule
    - 3.2.6 Construction Schedule
  - 3.3 Non Responsive/Unqualified Bids
4. CONCLUSIONS AND RECOMMENDATIONS

  
**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Irrigation Division  
Larkana

**APPENDICES**

- Appendix 1 Basic Data Sheet*
- Appendix 2 News Advertisement*
- Appendix 2A List of Bidders issued Bid Documents*
- Appendix 3 Record of Bid Opening (Technical Proposals)*
- Appendix 3 (A) Attendance Sheet of Bidders*
- Appendix 3B Checklist for Bid Opening*
- Appendix 4 Examination of Completeness of Bid Documents*
- Appendix 4.1 Scrutiny of Bid Securities*
- Appendix 5 Details of Bidders Profile*
- Appendix 6 Eligibility of Bidders*
- Appendix 7 Evaluation of Bidders Qualifications*
- Appendix 8 Substantive Responsiveness of Bids*
- Appendix 9 Conclusion-Technical Evaluation of Bidders*

  
**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Heritage Division  
Larkana



## 1. INTRODUCTION

### 1.1

#### Introduction

Pakistan experienced extensive monsoon rains in July-August 2010, which generated unprecedented flood flows in primary, secondary and other rivers including hill torrents and local nullahs. Rivers Swat, Panjkhora and Kabul experienced historic flood flows, which crossed the historic flood peaks. The floods caused huge damages to private and public infrastructure including irrigation networks and flood protection works across Pakistan. The flood damages to the irrigation and drainage infrastructure are estimated at Rs 23,600 million.

In Sindh, four breaches in flood protection embankments, Left Marginal Bund of Guddu Barrage and Tori, MS and PB Bunds, caused main damages. The Tori Bund breach had inundated entire North West Canal command area and damaged much of the infrastructure on its way back to the Indus River.

### 1.2 Project Description


In response to flood damage recovery and reconstruction interventions, Asian Development Bank (ADB) through its emergency loan i.e. 2742/ 2743 (PAK) SF: Flood Emergency Reconstruction Project (FERP), has committed to support the ongoing efforts of the Government of Pakistan (GOP) for reconstruction of irrigation, drainage and flood protection infrastructure in Sindh Province. "**Restoration / Rehabilitation of Shahdaddkot and Mirokhan Drainage system and allied structures works.**" (the Project) is one of several sub projects being Financed under ADB's FERP Irrigation Sector support.

#### (a) Location and Access

The work site (Shahdaddkot and Mirokhan Drainage Systems) is situated in District Kamber Shahdaddkot about 2 hour drive from Larkana city. The nearest towns from site are Kamber and Larkana. The nearest airport is Moen Jo Daro which is 1/2 hour drive from Larkana city.

#### (b) Works under the Contract

Works under the contract mainly includes earth work and de-silting of main drain, branch drain and sub drains, reconstruction of pump houses and outfall along main drain, reconstruction of VRB, water course crossing and inlets, reconstruction of junctions and under pass along sub drain.

  
**Abdul Ghafoor Soomro**  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

### 1.3 Bidding Document and Post-Qualification

The Contract is National Competitive Bidding (NCB) conducted in accordance with ADB's "Single-Stage: Two-Envelope" Post-Qualification Bidding Procedures.

### 1.4 Invitation for Bid

The Invitation for Bids was advertised on 21<sup>st</sup> May, 2012 issues of two local newspapers. Copy is available as **Appendix 2**. The Bidding Documents were ready for issuance from 21<sup>st</sup> May 2012. In total seven (07) firms purchased the Bidding Documents. Details of Bid document issued to interested Bidders is attached as **Appendix 2A**.

### 1.5 Submission of Bids

Receipt of bids were closed by the Procurement Committee at Office of Chief Engineer, Irrigation, Development in Sindh Block-D, Shahbaz Building Hyderabad at 12:00 hrs local time on 6<sup>th</sup> June 2012 as scheduled. Out of seven (07) firms who purchased the bidding documents, following two (02) bidders submitted bids.

Serial NO	Bidder NO	NAME OF BIDDER
1	1	M/S Madni Engineering Construction Company/CEMCON (J.V)
2	2	M/S Qalander Bux Abro

### 1.6 Technical Proposals Opening

Technical Proposals were opened at 13:00 hrs on 6<sup>th</sup> June 2012 in the Office of Chief Engineer, Irrigation, Development in Sindh Hyderabad by the Procurement Committee in the presence of representatives of bidders and Price Proposals kept unopened in safe custody. The bidders' names, the presence or absence of bid security and its amount were announced and recorded. The Record of Bid Opening (Technical Proposals) was prepared soon after these bids were announced. Record and proceedings of the bid opening is attached as **Appendix 3**, **Appendix 3A** and **Appendix 3B**.

**Abdul Ghaffoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

### 1.7 Basic Data

Basic information pertaining to the bidding has been summarized and is presented in start of the report as **Appendix 1**.

### 1.8 Bid Evaluation Committee

A Bid Evaluation Committee comprising six senior officers was established by the competent authority. Assistance was also provided to the Procurement Committee in bid evaluation by the designated staff of the Project Management Consultants (PMC). The Bid Evaluation Committee members were:

(1)	Chairman	Ghulam Mustafa Dahri
(2)	Member	Irshad Ahmed Memon
(3)	Member	Salman Memon
(4)	Member/Secretary	Abdul Ghafoor Somroo
(5)	Member	Niaz Hussain Jalbani
(6)	Member	Jamal Mangan

The Committee's decisions were made on the basis of unanimous views.

## 2. EXAMINATION FOR COMPLETENESS OF BIDS (Technical Proposals)

### 2.1 Bid Documents


The Technical Proposals submitted were first examined to check whether the bidders had submitted all the documents and information required by the bidding documents. The areas covered by the examination were:

- (i) Form of Bid ;
- (ii) Bid Security;
- (iii) Schedules of Particular Information;
- (iv) Joint Venture Agreement, if required;
- (v) Propriety of Signature and Power of Attorney;
- (vi) Completeness;
- (vii) Documents establishing the eligibility of bidders; and
- (viii) Documents required to assess the post-qualification of bidders.

The record of checking for completeness of bid documents is attached as **Appendix 4**.

### 2.2 Bid Security and Bid Validity

Examination of Bid Security along with Bid Validity as per requirement of bidding documents is stipulated in Scrutiny of Bid Securities attached as **Appendix 4.1**.

  
**Abdul Ghafoor Somroo**  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

### 2.3 Details of Bidders Profile

Findings are given in Appendix 5.

### 2.4 Examination of Completeness of Bids

In total two (02) bids were received, where both bids were found as complete bids.

After the detailed examination of completeness of bids (see Appendix 4), it was agreed that both bids, which are Complete Bids shall be considered further for determination of substantive responsiveness.

The two (02) complete bids are:

Bidder NO	NAME OF BIDDER
1	M/S Madni Engineering Construction Company/CEMCON - J.V
3	M/S Qalander Bux Abro

3.

### DETERMINATION OF SUBSTANTIVE RESPONSIVENESS OF BIDS

#### 3.1 Bidders' Qualification

##### 3.1.1 Bidder No (1): M/S Madni Engineering Construction Company/CEMCON J.V

- **Nationality:** The Bidder/J.V Partners qualify the requirements in accordance with ITB Sub-Clause 4.2
- **Conflict of Interest:** The Bidder/J.V Partners have no conflict of interest in accordance with ITB Sub-Clause 4.3.
- **ADB Eligibility:** The Bidder/J.V Partners have not been declared ineligible by ADB, as described in ITB Sub-Clause 4.4.
- **Government-owned Entity:** The Bidder/J.V Partners are not a Government-owned Entity, as described in ITB Sub-Clause 4.5.
- **UN Eligibility:** The Bidder/J.V Partners have not been excluded by an act of compliance with UN Security Council resolution in accordance with ITB Sub-Clause 4.8.
- **Pending Litigation:** In accordance with Para 2.2.1, Section 3 of the Bid Document, all pending litigation shall be treated as resolved against the Bidder and so shall in total not represent more than fifty percent (50%) of the Bidder's net worth. The

At \_\_\_\_\_  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana



Bidder/J.V Partners in his bid has declared that the JV Partners have no pending litigation.

▪ **Historical Financial Performance:**

As per Para 2.3.1, Section 3 of the Bid Document Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.

The Bidder/J.V Partners have enclosed the audited balance sheet for the last three (3) years to demonstrate the current soundness of the Bidders financial position and its prospective long-term profitability.

Net worth of the Bidder is as per requirements and is given as under:

Net Worth (M/S Madni Engineering) = PRs 106.57 Million  
Net Worth (M/S CEMCO Associates) = PRs 53.36 Million

▪ **Average Annual Turnover:**

In accordance with Para 2.3.2, Section 3 of the Bid Document minimum average annual construction turnover of PRs 370 Million calculated as total certified payments received for contracts in progress or completed, within the last 3 (three) years is required.

Average annual turnover of the Bidder/J.V Partners meets the requirement for Joint Venture and is given as under

(M/S Madni Engineering) PRs 219.14 Million > 40% x 370 =  
PRs 148 Million

(M/S CEMCO Associates) PRs 118.59 Million > 25% x 370 =  
PRs 92.5 Million

▪ **Financial Resources:**

The Bidder/J.V Partners have shown the profitability for last three (3) years, indicating their financial soundness. In the support the certificates from bank have been attached. Bidder/J.V Partners latest year's working capital is adequate to cover Package CD1 estimated cost and current Bidder/J.V Partners work commitments. Bidder/J.V Partners meets the requirements stipulated in Para 2.3.3, Section 3 of the Bid Document

  
Abdul Ghafour Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana

▪ **General Experience:**

In compliance with Para 2.4.1, Section 3 of the Bid Document the Bidder/J.V Partners **have** submitted documents to show **required** Experience under construction contracts in the role of contractor.

Among the J.V Partners, one partner i.e. M/S Madni Engineering Company have attached PEC registration certificate which shows that the bidder has been enlisted in category C-4 which allows him to carry out construction works, where cost of the project should not exceed PRs 100 million. The Committee decided that the bidder would be asked to register his firm in relevant category (in light of the cost of the works to be performed by the bidder under J.V.) before the signing of the contract if found lowest evaluated responsive bidder.

Other J.V Partner CEMCON qualifies for required general experience.

▪ **Specific Experience:**

a) **Contracts of Similar Size and Nature:**

As per the Bidding Documents, the Bidder/J.V Partners have to ensure that he has participated as contractor in at least 2 (two) contracts within the last 3 (three) years, each with a value of at least PKR 370 Million that have been successfully or are substantially completed and that are similar to the proposed works.

The Bidder/J.V Partners **have** submitted information for completed projects where cost of **two (02) projects meets** required limit of **PRs 370 Million**. The similarity of the projects detailed by the Bidder/J.V Partners are **similar** to the physical size, complexity, methods, technology and other characteristics described in Section 6 (Works Requirement) and meets the requirements entailed in Para 2.4.2 (a), Section 3 of the Bid Document.

b) **Experience in Key Activities:**

The bidder/J.V Partners have provided information for completed/on hand projects, where the activities completed or underway **meets** the requirements stipulated in the bidding documents i.e. Para 2.4.2 (b) Section 3.

  
 Abdul Chahar Soomro  
 Executive Engineer  
 Larkana Irrigation Division  
 Larkana

### 3.1.2 Bidder No (2): M/S Qalander Bux Abro

- **Nationality:** The Bidder qualify the requirements in accordance with ITB Sub-Clause 4.2
- **Conflict of Interest:** The Bidder has no conflict of interest in accordance with ITB Sub-Clause 4.3.
- **ADB Eligibility:** The Bidder has not been declared ineligible by ADB, as described in ITB Sub-Clause 4.4.
- **Government-owned Entity:** The Bidder is not a Government-owned Entity, as described in ITB Sub-Clause 4.5.
- **UN Eligibility:** The Bidder has not been excluded by an act of compliance with UN Security Council resolution in accordance with ITB Sub-Clause 4.8.
- **Pending Litigation:** In accordance with Para 2.2.1, Section 3 of the Bid Document, all pending litigation shall be treated as resolved against the Bidder and so shall in total not represent more than fifty percent (50%) of the Bidder's net worth. The Bidder in his bid has declared that he has no pending litigation.
- **Historical Financial Performance:**

As per Para 2.3.1, Section 3 of the Bid Document Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.

The Bidder has enclosed audited balance sheet for the last three (3) years to demonstrate the current soundness of the Bidders financial position and its prospective long-term profitability.

Net worth of the Bidder is as per requirements and is as under:

**Net Worth - M/S Qalander Bux Abro = PRs 689.84 Million**

- **Average Annual Turnover:**

In accordance with Para 2.3.2, Section 3 of the Bid Document minimum average annual construction turnover of PRs 370 Million calculated as total certified payments received for contracts in progress or completed, within the last 3 (three) years is required.

Average annual turnover of the Bidder meets the requirement and is given as under:



M/S Qalander Bux Abro- PRs 1282.12 Million > PRs 370 Million

▪ **Financial Resources:**

The Bidder has shown the profitability for last three (3) years, indicating his financial soundness. In the support the certificates from bank have been attached. Bidder latest year's working capital is adequate to cover Package CD1 estimated cost and the Bidder current work commitments. Bidder meets the requirements stipulated in Para 2.3.3, Section 3 of the Bid Document

▪ **General Experience:**

In compliance with Para 2.4.1, Section 3 of the Bid Document the Bidder has submitted documents showing required Experience under construction contracts in the role of contractor.

▪ **Specific Experience:**

a) **Contracts of Similar Size and Nature:**


As per the Bidding Documents, the Bidder has to ensure that he has participated as contractor in at least 2 (two) contracts within the last 3 (three) years, each with a value of at least PKR 370 Million that have been successfully or are substantially completed and that are similar to the proposed works.

The Bidder has submitted information for completed projects where cost of two (02) projects meets required limit of PRs 370 Million. The similarity of the projects detailed by the Bidder is similar to the physical size, complexity, methods, technology and other characteristics described in Section 6 (Works Requirement) and meets the requirements entailed in Para 2.4.2 (a), Section 3 of the Bid Document.

b) **Experience in Key Activities:**

The Bidder has provided information for completed/on hand projects, where the activities completed or underway meets the requirements stipulated in the bidding documents i.e. Para 2.4.2 (b) Section 3.

3.2 Adequacy of Technical Proposal

  
 Abdul Ghafoor Soomro  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana



### 3.2.1 Personnel

Both Bidders have submitted completed forms PER-1 and PER-2 which indicate that all of them have the capacity to mobilize key personnel in accordance with their respective Site Organization, Mobilization Schedule and Construction Schedule, which suits the requirement of Work for its smooth and timely completion.

### 3.2.2 Equipment

Both Bidders have submitted information on their Equipment which indicated that they have the capacity to mobilize key equipment in accordance with their respective Method Statement, Mobilization Schedule and Construction Schedule, which suit to the Work for its smooth and timely completion.

### 3.2.3 Site Organization

Site organizations proposed by both Bidders indicate that they are conversant with site conditions besides volume and extent of Work to execute it smoothly.

### 3.2.4 Method Statement

Both Bidders have submitted clear Method statements, thus found competent to handle the Work execution with care and to keep the quality as well as line and level in accordance with the specifications and drawings.

### 3.2.5 Mobilization Schedule


Mobilization schedules proposed by both Bidders indicate that they plan to mobilize well in time to commence the Work.

### 3.2.6 Construction Schedule

Construction schedules provided by both Bidders are considered appropriate to complete the Work in time by following the critical path.

## 3.3 Non Responsive/Unqualified Bids

Details of Eligibility of Bidder & Determination of Substantive Responsiveness of Bids is detailed in Appendix 6, Appendix 7, Appendix 7.1 and Appendix 8.

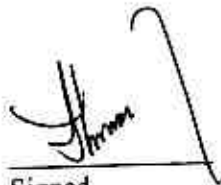
  
Abdul G. Meor Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana

**4. CONCLUSIONS AND RECOMMENDATIONS**

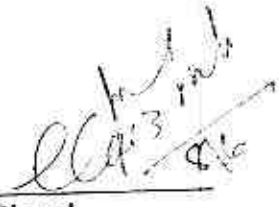
On the basis of the systematic evaluation of bids as presented in this report, it was concluded that both submitted bids were considered as Substantially Responsive (**Appendix 9**).

Both Bidders at serial number 1 & 2 are considered as Substantially Responsive and are proposed for opening their Price Proposals by the Procurement Committee.


  
 Signed  
 Ghulam Mustafa Dahri  
 Chief Engineer  
 Irrigation Development  
 In Sindh  
 Chairman

  
 Signed  
 Irshad Ahmed Memon  
 P.D., Sukkur  
 Member

  
 Signed  
 Abdul Ghafoor  
 Executive Engineer  
 Barakana Drainage Division  
 Member/Secretary

  
 Signed  
 Niaz Hussain Jalbani  
 Divisional Account Officer  
 Member

  
 Signed  
 Jamal-u-Din Mangan  
 DD-PMU-FERP  
 Member

  
 Signed  
 Salman Memon  
 PD-PMU-FERP  
 Member

Appendix 2-News Advertisement


  
**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Exchange Division  
Larkana

# INVITATION FOR BIDS


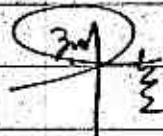



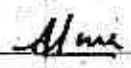
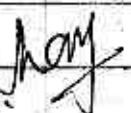
Date : May 21, 2012  
Loan & Title : Loan No. 2742/2743-Pak (SF): Flood Emergency Reconstruction Project.  
Contract No & Title : CD-1-ADB/IRR/Sindh/ FERP, Restoration / Rehabilitation of Shahdadkot and Miro Khan Drainage Systems and Allied Structure Works.  
Deadline for Bids : 12:00 hrs June 06, 2012.

1. The Islamic Republic of Pakistan has received two loans from the Asian Development Bank (ADB) towards the cost of Flood Emergency Reconstruction Project (FERP) part of this loan will be used for the payments under the contract named above. Bidding is open to bidders, who can prove their previous experience of working on works of similar size and nature, from eligible source countries of the ADB.
2. Sindh Irrigation Department (SID), through Executive Engineer, Larkana Drainage Division, Larkana now invites sealed bids from eligible bidders for "Restoration / Rehabilitation of Shahdadkot and Miro Khan Drainage Systems and Allied Structure Works."
3. National Competitive Bidding (NCB) will be conducted in accordance with ADB's "Single - Stage - Two Envelope" bidding procedure. A joint venture is qualified for the contract. The successful bidder must be registered with PEC in the relevant category under the law with Pakistan Engineering Council, before signing the contract.
4. Only eligible bidders with following qualifications should participate in this bidding, viz:
  - Has completed at least two contracts of similar works each with a value equivalent to PRs. 370.00 Million during the last 3 years and.
  - Has an average annual turnover of amount equivalent to PRs. 370.00 Million during the last 3 years.
5. To obtain further information and inspect the Bidding documents, bidders should contact, Project Director, Flood Emergency Reconstruction Project (FERP), Irrigation, House No: 160 B, Noor Wall Bhal Park, Unit No: 3 Laffabad, Hyderabad Tell: # 022-2100231, Fax # 022-2100237
5. To Purchase the bidding documents in English eligible bidders should Write to Address below in third bullet requesting the bidding documents for Contract No. CD-1 ADB/ IRR/ SINDH/ FERP, "Restoration / Rehabilitation of Shahdadkot and Miro Khan Drainage Systems and Allied Structure Works" & seek bid documents within the official Government Office timings i.e. 17:00 hrs.
  - pay a non-refundable fee of PRs. 5000 (Pak Rupees Five thousand) or by pay order/bank draft in favour of Executive Engineer, Larkana Drainage Division, Larkana.
  - Collect the bid documents by hand from the office of the Chief Engineer, Irrigation, Development in Sindh Hyderabad upto June 05, 2012 till 17.00 Hours.
7. Deliver your bid:
  - To office of the Chief Engineer, Irrigation, Development in Sindh Block-D, Shahbaz Building Hyderabad before the deadline at 12:00 hours on June 06, 2012.
  - Together with bid security of PRs 7,400,000/ freely convertible currency in favour of Sindh Irrigation Department (SID), through Executive Engineer, Larkana Drainage Division, Larkana.
  - Technical Bids will be opened in the office of Chief Engineer, Irrigation, Development in Sindh Block-D, Shahbaz Building Hyderabad at 13:00 hours on June 06, 2012 in presence of bidder's representative who chooses to attend.
  - Domestic preference shall not be allowed.

  
**PROJECT DIRECTOR (PMU)**  
Flood Emergency Reconstruction Project  
(Irrigation Sector) Hyderabad.

  
**Abdul Ghaffoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana



SINO.	Name of Firms	Bank cheques no. & date	Signature
01	M/s Madni Eng. Const. Campy	NO. 3699384 dt. 25.5.2012 of RS. = 5000/-	
02	M/S SINACO Engng Pvt Ltd	Pay order NO. P.O. NO NPO/A 1173452 dt. 28/05/2012	
03	M/S Qalander Buss Abro & Campy	Pay order no. 50600703 dt 29/5/2012 of Sindh bank Karachi Choke Hyderabad.	
04	M/S Ghulam Nabi & Co.	Pay order NO. OAO/F 0359923 dt 29.5.12 of First Woman Bank Ltd Larkar Porah.	
05	M/s Shahr Kuleli.	P.O No. 0995326 dt. 30/5/12 amounting to Rs 5000/- Kasb Bank Hyderabad	
06 01/06/2012	M/s Abdul Qayoom Mazari	Cheque No. 2915389 dt. 1/06/12 UBL Free Street Branch Karachi	
07	M/s Madni ConCo. & Cemcon JV.	Cheque No. 3455490 dt. 01/06/2012 UBL Gharialand Post. Sukkur.	

CALL DEPOSIT RECEIPT



MCB Bank Limited

MCB BANK LIMITED  
SINGH SECRETARIAT  
BRANCH (0066) KARACHI

No. CDR 675604

NOT OVER RS. 7400000/-  
Writing

Date 05/06/12

Rs. 7400000/-

Received from XEN Drainage Division Larkana

on account of Madani Engineering & Camoon JV: a deposit of

Rupees Seventy Four Lacs Only

as a deposit AT CALL bearing NO INTEREST/PROFIT subject to general rules of the Bank with respect to such deposits.

This Receipt is Non-transferable / Payable to Beneficiary or Purchaser.

Operation Manager  
AS/IBS No. [Signature]  
Manager  
AS/IBS No. [Signature]



UNITED BANK LTD.

Branch 1574 CIVIC CENTRE BR: HYDERABAD.

No. SD 2381437

NOT OVER RS. 7400000/-  
SECURITY DEPOSIT RECEIPT

Date 06-06 2012

Received from QALADAR BUX ABRO

On account of EXECUTIVE ENGINEER LAKHRA DRAINAGE DIV:

Rupees SEVENTY FOUR LAG ONLY

as and by way of security deposit For United Bank Limited

refundable at call according to the terms and conditions printed overleaf.

Rs. = 7,400,000/-

Office [Signature] 1765  
Manager [Signature]

Do not write below this line

Abdul Ghafoor Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana

**ATTENDANCE SHEET FOR OPENING OF BIDS**

Loan No. 2742/2743-PAK (SF)-FERP

IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB)

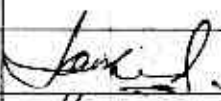
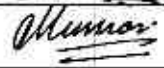
Contract Title: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.

Place: Office of Chief Engineer, Irrigation, Development in Sindh Block-D, Shahbaz Building Hyderabad.

Date: 6<sup>th</sup> June 2012

Time: 12:00 hrs

The following bidders' representatives attended the public opening of bids.

Sr. No.	Bidders (Company Firm/Contractor)	Representative		Signature
		Representative (Printed Name)	Designation	
1.	MADNI ENGINEERING CONSULTANTS LAKHSON JV.	Tausif	Deputy Managing Director	
2.	M/S Qalandar Power Private	M. Umar Farooque	Manager Admin	
3.	/	/	/	/
4.	/	/	/	/
5.	/	/	/	/
6.	/	/	/	/
7.	/	/	/	/
8.	/	/	/	/
9.	/	/	/	/
10.	/	/	/	/
11.	/	/	/	/
12.	/	/	/	/
13.	/	/	/	/

  
 Abdul Qadir Soomro  
 Manager & Engineer  
 Landward Irrigation Division  
 Hyderabad

**RECORD OF BID OPENING (Technical Proposals)**

Lea. No. 2742/2743-PAK (SF)-FERP

IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB)

**Contract Title: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and Allied Structures Works.**

1. The following bids were received by the close of bidding on 6<sup>th</sup> June 2012 at 12:00 hrs (local time) and were publicly opened and read at 13.00 hrs on the same date.

Sr. No.	Name of Company and Nationality	Bid Security Amount (Rs.)	Name & Desig. Of Bidders' Rep.	Signature of Bidders' Rep.
1	M/S Madni Engineering (JV) Construction Company	Rs=7,400,000/=	Tauqeer Ahmad Deputy Managing Director	
2	M/S Chaudhary Brothers	Rs=7,400,000/=	M. Umar Farooq	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

2. Reading and signing of documents ended at 13:00 hrs.

Signed  
Ghulam Mustafa Dahri  
Chief Engineer  
Irrigation Development  
In Sindh  
Chairman

Signed  
Irshad Ahmed Memon  
P.D., Sukkur

Signed  
Abdul Ghafoor Somro  
Executive Engineer  
Larkana Drainage Division  
Member/Secretary

Signed  
Niaz Hussain Jalbani  
Divisional Account Officer  
Member

Signed  
Jamal-u-Din Mangan  
DD-PMU-FERP  
Member

Signed  
Salman Memon  
PD-PMU-FERP  
Member

Abdul Ghafoor Somro  
Executive Engineer  
Larkana Drainage Division  
Larkana



**Checklist for Bid Opening**

CD-1: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.

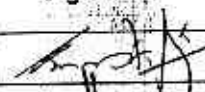

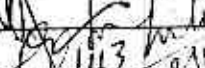
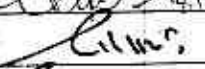


Date & Time of Bid Opening: **6<sup>th</sup> June 2012, (13:00 hrs)**

Name of Bidder: M/s Madni Engineering Construction / Cement (J.V)

Sr. No.	Particulars	Findings	Remarks
1	Is Bid sealed and intact?	<input checked="" type="radio"/> Yes No	
2	Is Bid submitted on time?	<input checked="" type="radio"/> Yes No	
3	Is original Bid enclosed?	<input checked="" type="radio"/> Yes No	
4	Are 3 copies of Bid enclosed?	<input checked="" type="radio"/> Yes No	
5	No. of separately bound packets forming Bid	<input checked="" type="radio"/> Yes No	
6	Is Power of Attorney for Authorization of Signatory to Bid is attached?	<input checked="" type="radio"/> Yes No	
7	Is Bid properly signed?	<input checked="" type="radio"/> Yes No	
8	Is copy of JV agreement enclosed? (in case of Joint Venture)	<input checked="" type="radio"/> Yes No	
9	Is Bid Security enclosed in the requisite amount?	<input checked="" type="radio"/> Yes No	
10	Letter of Technical Bid Signed?	<input checked="" type="radio"/> Yes No	

Bidder's Signature: 

**Bid Opening Committee**

Sr. No.	Name and Designation	Organization	Signature
1	Ghulam Mustafa Dahri (Chief Engineer)		
2	Irshad Ahmed Memon (P.D)	SID	
3	Abdul Ghafoor Somroo (Executive Engineer)		
4	Niaz <sup>retd.</sup> Jalbani (Divisional Account Officer)		
5	Jamal-u-Din Mangan (DD-FERP) <sup>700.</sup>		
6	Salman Memon (PD-FERP)	SID	

**Abdul Ghafoor Somroo**  
Executive Engineer  
Larkana Drainage Division  
Larkana

**Checklist for Bid Opening**

CD-1: Restoration / Rehabilitation of Shahdaddkot and Mirokhan Drainage system and allied structures works.

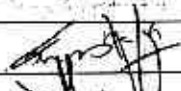


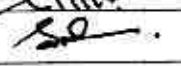


Date & Time of Bid Opening: 6<sup>th</sup> June 2012, (13:00 hrs)

Name of Bidder: M/s Qalandar Boux Ahro

Sr. No.	Particulars	Findings		Remarks
1	Is Bid sealed and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
2	Is Bid submitted on time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
3	Is original Bid enclosed?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
4	Are 3 copies of Bid enclosed?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
5	No. of separately bound packets forming Bid	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
6	Is Power of Attorney for Authorization of Signatory to Bid Is attached?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
7	Is Bid properly signed?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
8	Is copy of JV agreement enclosed? (in case of Joint Venture)	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
9	Is Bid Security enclosed in the requisite amount?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
10	Letter of Technical Bid Signed?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Bidder's Signature: 







**Bid Opening Committee**

Sr. No.	Name and Designation	Organization	Signature
1	Ghulam Mustafa Dahri (Chief Engineer)		
2	Irshad Ahmed Memon (P.D)	SID	
3	Abdul Ghafoor Somroo (Executive Engineer)	A. G. A. I.	
4	Niaz Ahmad Jalbani (Divisional Account Officer)		
5	Jamal-u-Din Mangan (DD-FERP) 702		
6	Salman Memon (PD-FERP)		

  
 Abdul Ghafoor Somroo  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

### Scrutiny of Bid Securities

Name of Bidder	Type of Security	Security No.	Amount of Security (PKR)	Issuing Bank	Date of Issue	Valid Until	Compliance
M/S Madni Engineering Construction Company/CEMCON J.V	Call Deposit	675604	7,400,000	MCB Ltd Sindh Secretariat Branch Karachi	5-Jun-12	Open	C
M/S Qalander Bux Abro	Security Deposit	2381437	7,400,000	UBL Civic Center Branch Hyderabad	6-Jun-12	Open	C

<p> Signed Ghulam Mustafa Dahri Chief Engineer Irrigation Development in Sindh Chairman</p>	<p> Signed Irshad Ahmed Memon P.D Sukkur Member</p>	<p> Signed Abdul Ghafoor Samroo Executive Engineer Larkana Drainage Division Member/Secretary</p>
<p> Signed Jamal-U-Din Mangan PD-PMU-FERP Member</p>	<p> Signed Salman Memon PD-PMU-FERP Member</p>	<p> Signed Niaz Jalbani Divisional Account Officer Member</p>

Bid Security Validity 05-12


C= Complied  
NC= Not Complied

Appendix 4

EXAMINATION OF COMPLETENESS OF BID DOCUMENTS

Item	Description	Bidder No.	
		1	2
1.1	<b>Bid Documents</b>		
1.1.1	<b>Separate Technical and Price Proposals</b>	Y	Y
1.1.2	<b>One original and three signed copies</b>	Y	Y
1.1.3	<b>Technical Proposal Submission Sheet</b>	Y	Y
1.1.4	<b>Bid Security Amount and Validity</b>	Y	Y
1.1.5	<b>JV Agreement or LOI (in case of JV only)</b>	Y	NA
1.1.6	<b>Propriety of Signature and Power of Attorney</b>	Y	Y
1.1.7	<b>Technical Proposal</b>		
	<b>1) Personnel</b>		
	(a) Form PER-1	Y	Y
	(b) Form PER-2	Y	Y
	<b>2) Equipment</b>	Y	Y
	<b>3) Site Organization</b>	Y	Y
	<b>4) Method Statement</b>	Y	P
	<b>5) Mobilization Schedule</b>	Y	P
	<b>6) Construction Schedule</b>	Y	P
1.1.8	<b>Documents to Assess Bidders' Qualification</b>		
	<b>1) Eligibility</b>		
	(a) Form ELI-1	Y	Y
	(b) Form ELI-2 (in case of JV only)	Y	NA
	<b>2) Litigation-Form LIT-1</b>	Y	Y
	<b>3) Financial</b>		
	(a) Form FIN-1	Y	Y
	(b) Form FIN-2	Y	Y
	(c) Form FIN-3	Y	Y
	(d) Form FIN-4	Y	Y
	<b>4) Experience</b>		
	(a) Form EXP-1	Y	Y
	(b) Form EXP-2(a)	Y	Y
	(c) Form EXP-2(b)	Y	Y
<b>COMPLETENESS OF BID</b>		Y	Y

Y= Yes  
N= No

  
 Abdul Qader  
 Executive Engineer  
 Landmark Insurance Division  
 Lucknow

**DETAILS & PROFILE OF THE BIDDER PARTICIPATING IN BIDS INVITED FOR CD-1**

1. Bidder Name: **M/S Madni Engineering Construction Company/CEMCON J.V** (a) Bidder No.: 1
2. Address: 6 D Block 2 PECHS
3. Status of Company/Firm: **Private Company, Submitting Bid as J.V**
4. Origin: **Pakistan**
5. Declared ineligible by the ADB /the United Nations Security Council: **No**
6. Pakistan Engineering Council Registration No: **M/S Madni Engineering Construction Co = 7207 (CE 01,04) ,Category: C-4 (100 Million)**  
**M/S CEMCON Associates = 211 (CE 01, 04), Category : C-1 (1000 Million)**
7. Power of Attorney (PoA) to sign/submit Bid: **Jamshed Anwar**
8. Bid Validity: **90 Days since submission of Bids on 6-Jun-12** (Valid for 118 days since Bid submission)
9. Bid Security:PKR: **7,400,000** Expiry Date: **Open**
10. Pending Litigation: **NIL**

11. Historical Financial Performance: Submitted audited balance sheets for the last 3 (three) showing:

J.V Partners	Bidder's Net Worth (PKR in Millions)	Current Asset (PKR in Millions)	Current Liabilities (PKR in Millions)	Working Capital (PKR in Millions)	Profit after taxes (PKR in Millions)
M/S Madni Engineering	106.57	202.59	123.53	79.06	20.33
M/S CEMCON	55.36	53.41	13.49	39.93	9.98

12. Average Annual Construction Turnover: **M/S Madni Engineering : 219.14 PKR in Million, M/S CEMCON : 118.59 PKR in Million**
13. Cash Flow Capacity: **M/S Madni Engineering : 79.06 PKR in Million M/S CEMCON : 39.33 PKR in Million**

*Note: Working Capital: Current Assets Less Current Liabilities (Working Capital determine the operational efficiency and ability of the company to pay its short term (12 months) obligations)*

*Cash Flow Capacity: It includes working capital plus lines of credit (Resource of financing) on the basis of historical financial data of 3 years.*

14. General Construction Experience: **Attached List of works showing construction experience required in Bid Documents. Bidder meets requirements**
15. Specific Construction Experience: **Bidder attached list of Projects, where 2 Contracts worth above PRs 370 Million are similar to the works required under CDI.**
16. Proposed Time Completion: **360 Calendar Days which is in compliance to the work completion proposed in BIDs.**

**Abdul Ghafoor Soomro**  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

Executive Engineer  
 Larkana Drainage Division, Larkana



**DETAILS & PROFILE OF THE BIDDER PARTICIPATING IN BIDS INVITED FOR CD-1**

1. Bidder Name: **M/S Qalandar Bux Abro** (a) Bidder No: 2
2. Address: Suite 710 Mashriq Center ST. 6/A, Block 14 Gulshan-e-Iqbal Karachi
3. Status of Company/Firm: **Private Firm, Submitting Bid as Single Entity**
4. Origin: **Pakistan**
5. Declared ineligible by the ADB /the United Nations Security Council: **No**
6. Pakistan Engineering Council Registration No: **3761 (CE 01,04), Category: C-3 (250 Million)**
7. Power of Attorney (PoA) to sign/submit Bid: **Abid Ali**
8. Bid Validity: **90 Days since submission of Bids on 6-Jun-12** (Valid for 118 days since Bid submission)
9. Bid Security PKR: **7,400,000** Expiry Date: **Open**
10. Pending Litigation: **NIL**

11. Historical Financial Performance: Submitted audited balance sheets for the last 3 (three) showing:

Bidder's Net Worth (PKR in Millions)	Current Asset (PKR in Millions)	Current Liabilities (PKR in Millions)	Working Capital (PKR in Millions)	Profit after taxes (PKR in Millions)
689.84	593.33	4.10	589.24	68.26


12. Average Annual Construction Turnover: **1,282.12 PKR in Million**

13. Cash Flow Capacity: **589.24 PKR in Million**

*Note: Working Capital: Current Assets Less Current Liabilities (Working Capital determine the operational efficiency and ability of the company to pay its short term (12 months) obligations)*

*Cash Flow Capacity: It includes working capital plus lines of credit (Resource of financing) on the basis of historical financial data of 3 years.*


14. General Construction Experience: **Attached List of works showing construction experience required in Bid Documents. Bidder meets requirements**
15. Specific Construction Experience: **Bidder attached list of Projects, where 2 Contracts worth above PKR 370 Million are similar to the works required under CD1.**
16. Proposed Time Completion: **360 Calendar Days, which is in compliance to the work completion proposed in BDs.**

  
**Abdul Ghafoor Soomro**  
 Executive Engineer  
 Larkana Drainage Division, Larkana  
 Larkana

## Appendix 6

## Details on Eligibility of Bidders

No	Requirements	Bidding Document Reference	Bidder No	Bidder No
			1	2
1	Single Entity or Joint Venture, all partners must be jointly or severally liable.	Section 1, Clause 4.1	Joint Venture	Single Entity
2	Bidder must be a national of an eligible ADB member country.	Section 1, Clause 4.2	Pakistan	Pakistan
	Proposed subcontractors or Suppliers must be nationals of an eligible ADB member country.		N.A	N.A
3	Conflict of interest	Section 1, Clause 4.3	None	None
4	Declared ineligible by ADB	Section 1, Clause 4.4	No	No
5	Government owned enterprise in Employer's country to be legally and financially autonomous, operate under commercial law, and not dependant agency of the Employer	Section 1, Clause 4.5	Not a Govt. owned enterprise	Not a Govt. owned enterprise
6	Not having declared ineligible based on a United Nations resolution.	Section 1, Clause 4.7	Not declared ineligible	Not declared ineligible

  
 Abdul Ghaffar Soomro  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

EVALUATION OF BIDDERS' QUALIFICATIONS

Bidder No.	J.V Partners	Qualification Criteria						Compliance
		Pending Litigation	Net Worth	Avg Annual Construction Turn Over (based on 3 yrs)	Cash Flow Capacity	Experience		
1	M/S Madini M/S CEMICON	Must not represent more than fifty percent (50%) of the Bidder's net worth	Must be positive for the last 3 (three) years (PKR in Millions)	> = PKR PRs 370 Million Million*	latest year's working capital and times of credit, must be adequate to cover Bid Price and current work (PKR in Millions)	at least 2 (two) contracts within the last 3 (three) years, each with a value of at least PKR 233 Million		
		No pending litigation	106.57	219.14	79.06	Pass	Pass	C
2	-	No pending litigation	55.36	118.59	39.93	Pass	Pass	C
		No pending litigation	689.84	1282.12	589.24	Pass	Pass	C

C= Complied

NC= Not Complied



**Abdul Ghafoor Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

EVALUATION OF BIDDERS' QUALIFICATIONS

Bidders' Rank	Bidders' Name	JV Partners	2.3.1.1: Historical Financial Performance (Average based on 3 years data)					2.3.2: Annual Construction Turnover (Average based on 3 years data) (PKR in Millions)	2.3.3: Financial Resources				
			Bidder's Net Worth (PKR in Millions)	Current Assets (PKR in Millions)	Current Liabilities (PKR in Millions)	Working Capital (PKR in Millions)	Dividend Payout Ratio (%)		Resource Capacity	Bank Facility (PKR in Millions)	Debt to Equity Ratio	Debt Attached	
1	M/S Mechi Engineering Construction Company/CEMCON JV	M/S Mechi Engineering Construction & Co.  CEMCON Associates	106.57	202.59	123.53	79.06	20.33	219.14	-	-	79.06	1.64	Does attached
2	M/S Qalandar Buk Abro	-	55.36	53.41	13.48	39.93	9.98	118.59	-	-	39.93	3.96	Does attached
			689.84	593.33	4.10	589.24	68.26	1,282.12	-	-	589.24	144.84	Does attached

**SYMBOLS:**  
 Bidder's Net Worth :  
 Working Capital :  
 Current Ratio/Liquidity Ratio :  
 Cash/Flow Capacity :

Current Assets Less Current Liabilities (Working Capital) determine the operational efficiency and ability of the company to pay its short term (12 months) obligations)  
 Current Assets / Current Liabilities (Current / Liquidity ratio) means ability to pay back company's short term (12 months) liability. If shows the financial position of the company > 1 higher the current ratio the more capable the company.  
 It includes working capital plus lines of credit (Resource of financing) on the basis of historical financial data of 3 years.

  
 Abdul Ghafoor Soomro  
 Executive Engineer  
 Larkana Branchage Division  
 Larkana

**SUBSTANTIVE RESPONSIVENESS OF BIDS  
(COMMERCIAL TERMS)**

Serial No	Requirements	Bidding Doc. Reference	Bidder No.	
			1	2
1	Power of Attorney	Section 1, Clause 20.2	C	C
2	Signature on Documents	Section 2, ITB 20.2	C	C
3	Joint Venture Agreement or Letter of Intent to Enter into an Agreement	Section 1, Clause 20.2	C	C
4	Eligibility (a) Bidder	Section 1, Clause 4.1	C	NA
5	Bid Validity 90 days	Section 1, Clause 4	C	C
6	Bid Security (a) Amount (b) Validity (c) Format and Terms	Section 1, Clause 18 Section 2, ITB 18.1	C	C
7	Time for Completion	Section 1 Clause 19 Section 2 ITB 19.1	C	C
8	Terms of Payment (a) Advance Payment (15%) (b) Retention Money (10%) (c) Price Adjustment	Section 8, Clause 1.1(u)	C	C
9	Liquidated Damages (a) Rate (0.2% per day of the final Contract Price) (b) Maximum Limit (10%)	Section 8, Clause 48.1 Section 8, Clause 45.1	C	C
10	Defect Liability Period 90 Days beyond actual completion period	Section 2, Clause 14.5, Section 8, Clause 44.1	C	C
11	Performance Security (5%)	Section 8, Clause 45.1 Section 8, Clause 46.1	C	C
	<b>CONCLUSION</b>	Section 8, Clause 33.1	C	C
		Section 2, Clause 42.1, Section 8 Clause 66	C	C
			R	R

C= Complied  
R= Responsive  
NC= Not Complied  
NR= Not Responsive


Abdul Ghaffar Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana




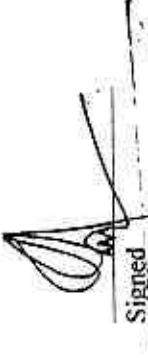
**CONCLUSION-TECHNICAL EVALUATION OF BIDDERS**


Bidder No	Name	Compliance with Bid Submission	Examination of Completeness of Bids	Bidder's Qualification	Adequacy of Technical Proposal	Substantive Responsiveness
1	M/S Madni Engineering Construction Company/CEMCON J.V	Pass	Pass	Pass	Pass	Responsive
2	M/S Qalander Bux Abro	Pass	Pass	Pass	Pass	Responsive


**Result: Both Bidders have been evaluated as Substantially Responsive and are proposed for the opening of their Price Proposal by the Procurement Committee.**

  
 Signed  
 Ghulam Mustafa Dahri  
 Chief Engineer  
 Irrigation Development in Sindh  
 Chairman

  
 Signed  
 Irshad Ahmed Memon  
 P.D  
 Sukkur  
 Member

  
 Signed  
 Abdul Qasim Sohrabji  
 Executive Engineer  
 Larkana Drainage Division  
 Member/Secretary

704  
  
 Signed  
 Jamal-u-Din Mangan  
 DD-PM (B&R)  
 Member

  
 Signed  
 Salman Memon  
 DD-PMU-FERP  
 Member

  
 Signed  
 Niaz Jalbani  
 Divisional Account Officer  
 Member


**Contract Title: CD-1: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.**

## **ANNEXURE 1-PRICE BID EVALUATION**

  
**Abdul Qadeer Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

## GENERAL INFORMATION

1. Estimated Value/Engineer's Estimate: PRs. 370 Million
2. Date Invitation For Bids Issued: 21<sup>st</sup> May 2012
3. Price Proposals Opening Date and Time: 8<sup>th</sup> June 2012, 10:00 hrs
4. Price Proposals Opening Location: **Office of the Project Director (FERP)  
House No: 150-B, Near wali Bhai Park,  
Unit No 3, Latifabad, Hyderabad**
5. Number Of Responsive & Qualified Bids: Two (02) bids
6. Bid Validity Expires On: 3<sup>rd</sup> September 2012
7. Validity of Bid Security Expires on: 1<sup>st</sup> October 2012
8. Exchange Rate: Not Applicable

  
**Abdul Chohan Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

## TABLE OF CONTENTS

### 1. INTRODUCTION

- 1.1 General
- 1.2 Opening of Price Proposals
- 1.3 Basic Data and Exchange Rates
- 1.4 Bid Evaluation Committee

### 2. EXAMINATION OF PRICE PROPOSALS

- 2.1 Completeness and signatures
- 2.2 Discount Offered in Price Proposal
- 2.3 Schedule of Payment Currencies
- 2.4 Arithmetic Check and Corrections

### 3. EVALUATION AND COMPARISON OF PRICE PROPOSALS

- 3.1 Multiple Contracts
- 3.2 Completion Time
- 3.3 Alternative Technical Solution
- 3.4 Margin of Preference
- 3.5 Lowest Evaluated Bid Considering Discount, if any
- 3.6 Examination of Unbalanced Rates for Lowest Evaluated Bid
- 3.7 Reasonableness of Price of Lowest Evaluated Bid
- 3.8 Validity of Qualification Under Technical Proposal

### 4. CONCLUSIONS AND RECOMMENDATIONS.

### APPENDICES

- Appendix 1 Letter of Bid Price Opening
- Appendix 2 Record of Bid Opening (Price Proposals)
- Appendix 3 Corrected Bid Price including Arithmetic Check & Discount
- Appendix 3A Arithmetic Check
- Appendix 4 Comparative Statement

**Abdul Ghaffar Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana

## 1. INTRODUCTION

### 1.1 General

In accordance with the Single Stage: Two Envelope Procedure, the Technical Proposals of the two (02) bidders who participated for CD-1 Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works, were evaluated. Soon after, Technical Bid Evaluation Report (Annexure 1 of this report) was prepared. Of the two (02) bids received, both bidders at Serial No. 1 & 2 were considered Substantially Responsive and Qualified for opening their Price Proposals.

The two (02) Substantially Responsive Bids were:

Serial NO	Bidder NO	NAME OF BIDDER
1	1	M/S Madni Engineering Construction Company/CEMCON J.V
2	2	M/S Qalander Bux Abro

On 7<sup>th</sup> June 2012 the two (02) Substantially Qualified Bidders i.e. Bidder No.1 & 2 were informed in writing that their Technical Proposals had been considered substantially responsive and qualified; and they were invited to attend the opening of their Price Proposals; the time, date and place indicated (see Appendix 1 for details).

### 1.2 Opening of Price Proposals

The Price Proposals for CD-1 were opened at 10:00 hrs on 8<sup>th</sup> June 2012 as indicated in the invitation letter by the Procurement Committee, in the presence of representatives of the bidders.

The Procurement Committee examined the envelopes containing Price Proposals of the two (02) Substantially Responsive and Qualified Bidders, which were kept under the responsibility of Executive Engineer, Larkana Drainage Division, Larkana. The members of the Committee were satisfied that the envelopes had not been tampered and had been kept under lock and key after the opening of Technical Proposals. The representatives of the respective bidders were also requested to check the condition of envelope of their respective Price Proposal and asked if they had any objection. There were no objections and the envelopes were opened. The bidders' names, the amounts of bid prices and discounts (if any) were announced and recorded.

The Record of Bid Opening (Price Proposals) was prepared soon after the bids were announced. A copy is attached as Appendix 2.

### 1.3 Basic Data and Exchange Rate

Basic information pertaining to the bidding is summarized in the cover sheet of this report. The currency for bid comparison is local currency.

Abdul Hafeez Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana



The exchange rate is not required as the two bids are quoted in local currency with no involvement of any payment in any other currency.

#### 1.4 Bid Evaluation Committee

A Bid Evaluation Committee comprising six senior officers was established by the competent authority. Assistance was provided by the staff of the Project Management Consultants (PMC). The Bid Evaluation Committee members were:

- |                      |                                  |
|----------------------|----------------------------------|
| (1) Chairman         | Ghulam Mustafa Dahri             |
| (2) Member           | Irshad Ahmed Memon               |
| (3) Member           | Salman Memon                     |
| (4) Member/Secretary | Abdul Ghafqor Somroo             |
| (5) Member           | Niaz <del>pro head</del> Jalbani |
| (6) Member           | Jamal Mangan                     |

The Committee's decisions were made on the basis of unanimous views.

## 2. EXAMINATION OF PRICE PROPOSALS

### 2.1 Completeness and signatures

The Price Proposals were first examined to ensure that the bidders had submitted the Price Proposal Submission Sheet, priced Bill of Quantities and Schedule of Payment Currencies, and whether these documents had been prepared properly and signed as stipulated in the Instructions to Bidders. Documents of all bidders were satisfactory as all bid documents were complete, signed and corrections were initialed by the authorized person.

### 2.2 Discount Offered in Price Proposal

None of the bidders offered any discount in the Price Proposal.

### 2.3 Schedule of Payment Currencies

None of the bidders entered any foreign currency required to be paid.

### 2.4 Arithmetic Check and Corrections

Each priced Bill of Quantities of the bidders was checked for arithmetic errors. Errors were corrected in accordance with the stipulations in the bidding documents. These corrections were tabulated and are shown in Appendix 3 & 3A.

## 3. EVALUATION AND COMPARISON OF PRICE PROPOSALS

### 3.1 Multiple Contracts

Not applicable as per instruction of the Bid Documents.

### 3.2 Completion Time

Alternate completion time was not an option as per instruction of the Bid Documents

  
Abdul Ghafqor Somroo  
Executive Engineer  
Larkana Branch Office  
Larkana

### 3.3 Alternative Technical Solution

Not applicable as per instruction of the Bid Documents.

### 3.4 Margin of Preference

Not applicable as per instruction of the Bid Documents.

### 3.5 Lowest Evaluated Bid Considering Discount, if any

The corrected prices for CD-1 which were evaluated, as shown in Appendix 3, indicate that the lowest evaluated responsive bid is that submitted by Bidder No 1 M/S Madni Engineering Construction Company/ CEMCON (J.V) for a total evaluated bid price of PRs 495,793,483.

### 3.6 Examination of Unbalanced Rates for Lowest Evaluated Bid

Comparison of unit rates and prices, particularly early work items, of the lowest evaluated bid with average rates of the other bids and the Executing Agency's estimate were carried out. The comparison indicated that the unit rates of the lowest evaluated responsive bid are reasonable.

### 3.7 Reasonableness of Price of Lowest Evaluated Bid

The lowest evaluated bid i.e. PRs 495,793,483. submitted by Bidder No.1 is about 33.91% above the Executing Agency's estimate. It is recommended that the bidder may be issued notice of award after seeking ADB's concurrence.

### 3.8 Validity of Qualification Under Technical Proposal


In order to re-assure the prevailing capacity of the lowest evaluated bidder, with reference to qualification criteria given in the bidding documents, his status of resources as indicated in his Technical Proposal has been verified to be correct.

  
Abdul Ghafoor Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana


**4. CONCLUSIONS  
AND RECOMMENDATIONS**

On the basis of the systematic evaluation of bids as presented in this report, it was concluded that the bid of Bidder No.1 M/S Madni Engineering Construction Company/ CEMCON (J.V) was the lowest evaluated substantially responsive bid. The Bidder is still qualified with required resources to execute the Work smoothly and complete it as per schedule. Therefore, it is recommended that the Contract for Work, under CD-1: Restoration / Rehabilitation of Shahdadt Kot and Mirokhan Drainage system and allied structures works for the contract amount of PRs 495,793,483.

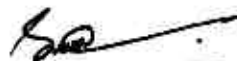
  
Signed  
Ghulam Mustafa Dahri  
Chief Engineer  
Irrigation Development  
In Sindh  
Chairman

  
Signed  
Irshad Ahmed Memon  
P.D., Sukkur  
Member

  
**Abdul Ghafour Soomro**  
Executive Engineer  
Larkana Drainage Division  
Larkana  
Member/Secretary

  
Niaz Muhammad Jalbani  
Divisional Account Officer  
LARKANA  
Member

  
Signed  
Jamal-u-Din Mangan  
DD-PMU-FERP  
Member

  
Signed  
Salman Memon  
PD-PMU-FERP  
Member

**OFFICE OF THE EXECUTIVE ENGINEER  
Larkana Drainage Division, Larkana**

Reference No: TC / 1451  
Date: 7<sup>th</sup> June, 2012

To:

M/S Madni Engineering Construction Company/CEMCON J.V  
M/S Qalander Bux Abro

**Subject: Price Bid Opening- CD-1: Restoration / Rehabilitation of Shahdaddock and  
Mirokhan Drainage system and allied structures works.**

**(Bid Number: NCB-CD-1-FERP/Irrigation-Sindh)**


This refers to the Bids received for CD-1: Restoration / Rehabilitation of Shahdaddock and Mirokhan Drainage system and allied structures works by the undersigned dated 6<sup>th</sup> June, 2012.

Please note that your Technical Bid has been evaluated as Substantially Responsive and determined as being qualified for opening of the Price Bid. In compliance with ITB Clause 25.7, Section 1 of the Bid Documents, you are hereby invited to observe the opening of your Price Bid as per following schedule:

Date of Price Bid Opening: 8<sup>th</sup> June, 2012  
Time: 10:00 hrs  
Location: Office of Project Director, FERP Irrigation 150-B near Wali  
Bhai Park unit No.3 Latifabad, Hyderabad

The Procurement Committee shall conduct the opening of Price Bids in the presence of your representatives who choose to attend at the address, date and time specified above. The Bidder's representatives who are present shall be requested to sign a register evidencing their attendance.

For any information do not hesitate to contact the undersigned.

  
Abdul Ghaffar Somro  
Executive Engineer  
Larkana Drainage Division, Larkana  
Larkana Drainage Division  
Larkana



## RECORD OF BID OPENING (Financial Proposals), CD-1

ADB Loan No 2742/2743-PAK (SF): Flood Emergency Reconstruction Project (FERP)

IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB) using Single Stage: Two Envelope Procedure


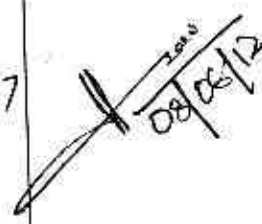
Contract Title: Restoration / Rehabilitation of Shahdadt and Mirokhan Drainage system and allied structures works.

- 1) Number of Technically Qualified and Responsive Bidders: Two (02)
- 2) List of successful bidders is as follows:
- M/S Madni Engineering Construction Company/CEMCON J.V
  - M/S Qalander Bux Abro
- 3) Date of Notification to the Successful Bidders: 7<sup>th</sup> June 2012
- 4) Opening of Price Proposals: 8<sup>th</sup> June 2012 at 10:00 hrs
- 5) The bidders' names, bid prices and discounts (if any) were announced in the presence of following representing persons.

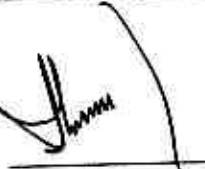
Sr. #	Name of the Bidder	Name of Representative	Designation	Signature
1	M/S Madni Engineering Construction Company/CEMCON J.V	Mansoor Iqbal	M.D	
2	M/S Qalander Bux Abro	Ali Asad	PM	

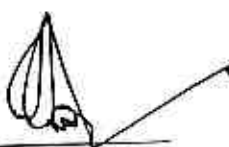
  
 Abdul Ghaffar Soomro  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana

6) The Record of Bid Opening (Price Proposals) was prepared soon after the bids were announced.  
The details are as follows:

Sr. #	Name of the Bidder	Bid Price as Opened in words	Discount Offered	Final Bid Price (after discount if any)	Signature
1	M/S Madni Engineering Construction Company/CEMCON J.V	Four Hundred & Ninety five Million Seven Hundred & Ninety three thousand Four Hundred & Ninety One Pak Rupees Only	Nil	Pak Rupees 495,793,491	 8/6/2012
2	M/S Qalander Bux Abro	Five Hundred & twelve Million One Hundred & thirty two thousand Eighty Seven Pak Rupees only	Nil	Pak Rupees 512,132,047	 08/06/12

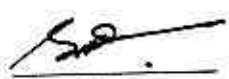
  
Signed  
Ghulam Mustafa Dahri  
Chief Engineer  
Irrigation Development  
In Sindh  
Chairman

  
Signed  
Irshad Ahmed Memon  
P.D., Sukkur  
Member

  
Signed  
Abdul Ghaffar Soomro  
Executive Engineer  
Larkana Drainage Division  
Larkana  
Member/Secretary

  
Signed  
Niaz Jalbani  
Divisional Account Officer  
Niaz Jalbani  
Divisional Accounts Office  
Larkana Drainage Division  
Member, LARKANA.

  
Signed  
Jamal-u-Din Mangan  
DD-PMU-FERP  
Member

  
Signed  
Salman Memon  
PD-PMU-FERP  
Member



ADB Loan No 2742/2743-PAK (SF): Flood Emergency Reconstruction Project (FERP)

IFB No. CD-1-ADB/IRR/Sindh/FERP (NCB) using Single Stage: Two Envelope Procedure

Contract Title: CD-1: Restoration / Rehabilitation of Shahdadt and Mirokhan Drainage system and allied structures works.

Date: 8-Jun-12

Time: 10:00 hrs

RECORD OF BID OPENING (Financial Proposals), CD-1

S. No	Bidder Name	Actual Bid Price (Opened)	Discount if Any		Final Bid Price at Opening
		Amount (PRs)	%	Amount (PRs)	Amount (PRs)
1	M/S Madni Engineering Construction Company/CEMCON J.V	495,793,491	0.00%	-	495,793,491
2	M/S Qalander Bux Abro	512,132,047	0.00%	-	512,132,047

  
 Abdul Qadir Soomro  
 Executive Engineer  
 Larkana Irrigation Division  
 Larkana

ADB Loan No 2742/743-PAK (SF): Flood Emergency Reconstruction Project (FERP)

IFB No. CD-1-ADB/RR/Sindh/FERP (NCB) using Single Stage: Two Envelope Procedure

Contract Title: CD-1: Restoration / Rehabilitation of Shahdadkot and Mirokhan Drainage system and allied structures works.

CORRECTED BID PRICE INCLUDING ARITHMETIC CHECK & DISCOUNT

S. No	Name of the Bidders	Actual Bid Price (Opened)		Arithmetical Correction		Bid Price with with arithmetical correction		Discount as offered by the Bidders		Final Bid Amount including discount		Difference Between Engineer Estimate	
		Amount (PRs)		Amount (PRs)		Amount (PRs)		%	Amount (PRs)	%	Amount (PRs)		%
1	M/S Madni Engineering Construction Company/CEMCON J.V	495,793,491		(7.90)		495,793,483		0.00%			495,793,483		33.91%
2	M/S Qalander Bux Abro	512,132,047		(8.20)		512,132,039		0.00%			512,132,039		38.32%

Signed  
Ghulam Mustafa Bahr  
Chief Engineer  
Irrigation Development in Sindh  
Chairman

Signed  
Jamal-u-Din Mangan  
DD-PMU-FERP  
Member

Signed  
Irshad Ahmed Memon  
P.D  
Sukkur  
Member

Signed  
Salman Memon  
PD-PMU-FERP  
Member

Signed  
Abdul Wahid  
Executive Engineer  
Larkana Irrigation Division  
Member

Signed  
Niaz Jalbani  
Divisional Account Officer  
Member

Contract Title: CD-1: Restoration / Rehabilitation of Shandadiot and Mirrokhan Drainage system and allied structures works.

ARRITHMETIC CHECK

S.No	Items	Engineer Estimate										Bidder Name						
		Item	Unit	Rate	Total Amount	Change	Final Amount	Price at Opening		Use Rate (PFA)	Evaluated	PRs	PRs	PRs	PRs	PRs	PRs	PRs
								1-10	1-10									
A	Shaded in Drainage System																	
1	Demolishing concrete (retained) masonry reinforcement from concrete drainage & structures	27840	Cu	26.14	728,236.84		728,236.84		898,300.00	25.00	898,300.00	698,528	0.07%					
2	Demolishing concrete drain 1.5 m	13204	Cu	13.07	172,549.87		172,549.87		188,026.00	9.00	188,026.00	188,026	0.00%					
3	Demolishing brick work in line of Cement mortar	7325	Cu	6.17	45,091.03		45,091.03		50,426.00	4.00	50,426.00	50,426	0.00%					
4	Excavation unshaded lead up to 100 ft. (at ordinary soil)	10184349	Cu	0.65	6,620,825.15		6,620,825.15		7,252,221.00	4.50	7,252,221.00	7,252,221	0.00%					
5	Extra for every 50 ft. additional lead or part thereof (at ordinary soil)	122724	Cu	0.30	36,817.20		36,817.20		40,500.00	2.00	40,500.00	40,500	0.00%					
6	Supply of clean screened (River or Pit) sand within 5 chain including removal of top cover of earth or over burden and conveyance to the Government or cost to the private owner	1482548	Cu	0.178	263,893.52		263,893.52		295,200.00	0.20	295,200.00	295,200	0.00%					
7	Dressing and leveling of earth work in designed section as complete in preparation of next bid	3074057	Cu	0.09	276,665.13		276,665.13		308,100.00	1.80	308,100.00	308,100	0.00%					
8	Carriage of 100 CMT 5 tones of all material like stone aggregate, gravel, coal, lime, kanchi etc. B.C. and fastening points and crossing bridges, girders, pipes, 10' 4.5' or 1200 mounds of bar wood by trucks or any other means owned by the contractor or supply of material from source to site of work	719276	Cu	5.03	3,618,962.28		3,618,962.28		4,041,700.00	7.50	4,041,700.00	4,041,700	0.00%					
9	Excavation in foundation of buildings, bridges & other structures (at 800 leveling) including earth retaining & retaining wall up to 5 ft. in ordinary soil	820508	Cu	1.21	1,002,827.81		1,002,827.81		1,111,330.00	2.00	1,111,330.00	1,111,330	0.00%					
10	Extra for every 50 ft. additional lead up to 100 ft. (at ordinary soil)	202893	Cu	5.42	1,103,330.95		1,103,330.95		1,211,330.00	0.90	1,211,330.00	1,211,330	0.00%					
11	Full free charges of the pumping set per day inclusive of wages of driver and Assistant fuel or electric energy parts (power required for pumping) and delivery pipes for pumping out water from the various depths from trenches to the cost of erection & dismantling after completion of the job. Also charges of pumping set of up to 10 hp pumping out water from 15' deep section	1478	Days	900.00	1,330,200.00		1,330,200.00		1,478,000.00	1000.00	1,478,000.00	1,478,000	0.00%					
12	For setting the pump beyond 8 hours. The cost of the pumping set shall being for 24 hours (included in above item No. 11)	28258	Hours	65.00	1,837,270.00		1,837,270.00		2,064,800.00	100.00	2,064,800.00	2,064,800	0.00%					
13	Cement concrete plain in placing (compacting, finishing and curing complete) including spreading and watering of concrete aggregate without including into it the supply of material from source to site of work	12842	Cu	55.11	705,810.22		705,810.22		776,400.00	60.00	776,400.00	776,400	0.00%					
14	Prices include with other than building etc. striking of joints up to 20 ft. height in cement sand mortar 1:3 to supply of material from source to site of work	180088	Cu	59.75	1,075,773.25		1,075,773.25		1,184,400.00	60.00	1,184,400.00	1,184,400	0.00%					

*(Signature)*  
 Chief Engineer  
 Maintenance Division  
 Irrigation Department  
 Government of Karnataka



Chafot Somra  
 Electrical Engineer  
 Larkana District Engineer

S.No.	Items	Engineer Estimate										Bidder Name									
		Qty		Rate	Total Amount	Carriage	Final Amount	Price at Opening	Unit Rate (Ru.)	Estimated	Prs	Prs	%	Prs	%	Prs	%	Prs	%		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
1	BARBED IRON DRAINAGE SYSTEM																				
1	Supply Cement concrete reinforcement including reinforcement from concrete casting & strapping.	8026	C/C	26.14	209,787.54		209,787.54		209,787.54	380.630		380.630	0.00%								
2	Supplying cement concrete Plain 1:3:6	2496	C/C	13.07	32,617.73		32,617.73		32,617.73	22.644		22.644	0.00%								
3	Constructing brick work in line of Cement mortar	22670	C/C	6.17	139,548.73		139,548.73		139,548.73	96.132		96.132	2.00%								
4	Borrow of Excavation (unpressed) lead up to 100 ft. (all conveyance)	823422	C/C	0.80	658,736.92		658,736.92		658,736.92	42.618		42.618	0.00%								
5	Extra for every 50 ft. additional lead or part there of (all for earth work) Soil Chalky (and hard)	225335	C/C	0.30	67,600.54		67,600.54		67,600.54	4.906		4.906	0.00%								
6	Supply of clean screened (River or 75) sand when 5 chain including removal of fine dust of earth or over burden and property to the Government or coal to the private owner	218500	C/C	0.16	34,932.37		34,932.37		34,932.37	41.716		41.716	0.00%								
7	Draining and leveling of earth work in designated section etc complete (i) in ordinary or hard soil	157065	C/C	0.09	13,921.34		13,921.34		13,921.34	2.873		2.873	1.00%								
8	Carriage of 100 CMT/5 tons of all materials like coarse aggregate, sand, coal, lime, bricks etc. (i) all following per 100 sq ft of 1000 sq ft of lead work for trucks or any other means owned by the contractor etc supply of material from source to site of work	7148307	C/C	5.03	35,911,988.32		35,911,988.32		35,911,988.32	55,997.715		55,997.715	0.00%								
9	Excavation in foundation of buildings, bridges & other structures at dip beltings, dressing leveling around the structures with increased earth watering & remaining lead up to 5 ft. in ordinary soil	318656	C/C	1.71	545,176.62		545,176.62		545,176.62	1,037.916		1,037.916	0.00%								
10	Extra for wet earth work	172755	C/C	0.07	12,092.74		12,092.74		12,092.74	1.938		1.938	0.00%								
11	Full charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, oil forms required for placing Purms etc. (i) lower depths with suction and delivery pipes for pumping out water found at various depths from trenches to the top of section & discharging into completion of the job (ii) full charges of pumping set for 10 hours (but not less than 5 hrs)	742	1000	900.00	667,800.00		667,800.00		667,800.00	742,000.00		742,000.00	1.00%								
12	For working the items beyond 8 hours the following charges shall be made. The rate of the Pumping set & lead being for 24 hours (i) for a pumping set of upto 10 hp (but not less than 5 hp)	11872	1000	90.00	1,068,480.00		1,068,480.00		1,068,480.00	1,187,200.00		1,187,200.00	0.80%								
13	Cement concrete plain in placing, connecting finishing and curing complete (i) screening and washing of stone aggregate without excluding rate 1:3:6 (ii) supply of material from source to site of work	64	C/C	11.00	704.00		704.00		704.00	4.00		4.00	0.00%								
14	Cement concrete plain in placing, compacting finishing and curing complete (i) screening and washing of stone aggregate without excluding rate 1:3:6 (ii) supply of material from source to site of work	54285	C/C	51.00	2,768,335.00		2,768,335.00		2,768,335.00	5,138,075.00		5,138,075.00	0.80%								
15	Plaza brick work other than buildings etc. (i) laying of joints up to 75 ft. height in cement sand mortar 1:3 (ii) supply of material from source to site of work	154664	C/C	39.75	6,158,576.50		6,158,576.50		6,158,576.50	13,172,320.00		13,172,320.00	0.00%								
16	Erection and removal of scaffolding for RCC or plain cement concrete work of Circular wood 2nd class vertical	9727	500	19.56	190,280.12		190,280.12		190,280.12	48.111		48.111	0.80%								

*Abdul Chahoor Soomro*  
 Executive Engineer  
 Drainage Division  
 Larkana

S.No.	Name	Engineer Estimate										Bidder Name					
		Item	Unit	Rate	Total Amount	Quantity	Final Amount	Price at Opening			MS Nishal Engineering Commission Company/MS/COV JV						
								Est.	Final	%	Est.	Final	%				
		1	m <sup>2</sup>	81.00	248,417.00	306,128.13	666,545.15	446,025.00	125.00	446,025.00	419,237.00	419,237.00	93.98%				
		2	m <sup>3</sup>	114.00	5,475,728.71	1,694,548.77	8,170,277.48	8,144,025.00	190.00	8,144,025.00	8,144,025.00	8,144,025.00	99.99%				
		3	m <sup>2</sup>	18.85	90,256.58	44,221,618.04	48,272,118.61	13,210,000.00	5000.00	13,210,000.00	13,210,000.00	13,210,000.00	99.99%				
		4	m <sup>2</sup>	0.20	140,000.00	44,823.11	178,811.20	134,200.00	8.00	134,200.00	134,200.00	134,200.00	99.99%				
		5	m <sup>2</sup>	0.42	420,000.00	420,000.00	420,000.00	794,967.00	0.00	794,967.00	794,967.00	99.99%					
		6	m <sup>2</sup>	0.99	3,087,548.32	2,087,548.32	2,087,548.32	4,238,073.00	2.00	4,238,073.00	4,238,073.00	99.99%					
		7	m <sup>2</sup>	6.75	186,944.25	186,944.25	186,944.25	728,400.00	25.00	728,400.00	728,400.00	99.99%					
		8	m <sup>2</sup>	1.94	170,280.12	170,280.12	170,280.12	133,400.00	1.50	133,400.00	133,400.00	99.99%					
		9	m <sup>2</sup>	18.85	2,525,217.28	2,525,217.28	2,525,217.28	5,617,000.00	42.00	5,617,000.00	5,617,000.00	99.99%					
		10	m <sup>2</sup>	7.00	140,000.00	44,711.34	228,448.38	192,485.00	8.00	192,485.00	192,485.00	99.99%					
		11	m <sup>2</sup>	0.12	1,544,000.00	1,544,000.00	1,544,000.00	6,719,885.00	0.70	6,719,885.00	6,719,885.00	99.99%					
		12	m <sup>2</sup>	323.70	82,100.40	82,100.40	82,100.40	134,400.00	700.00	134,400.00	134,400.00	99.99%					
		13	m <sup>2</sup>	160.42	138,881.20	138,881.20	138,881.20	188,000.00	200.00	188,000.00	188,000.00	99.99%					
		14	m <sup>2</sup>	308.52	68,084.40	68,084.40	68,084.40	94,800.00	440.00	94,800.00	94,800.00	99.99%					



Bidder Name																	
M/S Hathi Engineering Construction Company/CMCCON JV																	
S/N	Items	Engineer Estimate				Price at Opening				Annual PMS	PFRs						
		Qty	Unit	Rate	Total Amount	Carriage	Final Amount	Qty	Unit Rate (PFR)			Excluded	PFR	DOC	F	PFR	
35	Painting and surfacing (1) Permitted poles and wooden poles 225 x 100 (50mm)	1000	Sq	5.50	5,500.00		5,500.00		10,000.00	10,000.00		10,000.00		10,000.00			
36	White washing (1) 100mm	1800	Sq	1.15	2,070.00		2,070.00		3,780.00	3,780.00		3,780.00		3,780.00			
37	Calcutta wire mesh (1) 100mm	1600	Sq	1.04	1,664.00		1,664.00		2,912.00	2,912.00		2,912.00		2,912.00			
38	Primary steel (1) 100mm	2300	Sq	0.55	1,265.00		1,265.00		2,277.00	2,277.00		2,277.00		2,277.00			
39	Primary steel (1) 100mm	2300	Sq	2.24	5,152.00		5,152.00		9,272.00	9,272.00		9,272.00		9,272.00			
40	Supply and installation of 150mm dia. 150mm deep 150mm dia. 150mm deep with 150mm dia. 150mm deep	15	Cwt	2,000.00	30,000.00		30,000.00		54,000.00	54,000.00		54,000.00		54,000.00			
41	Supply and installation of 150mm dia. 150mm deep 150mm dia. 150mm deep with 150mm dia. 150mm deep	10	Each	3,000.00	30,000.00		30,000.00		54,000.00	54,000.00		54,000.00		54,000.00			
42	Supplying of chain path 5 times 20 meters	1	Each	40,000.00	40,000.00		40,000.00		74,000.00	74,000.00		74,000.00		74,000.00			
43	Providing & fixing of Transducers (1) 100mm dia. 100mm deep	1	Each	1,600,000.00	1,600,000.00		1,600,000.00		2,912,000.00	2,912,000.00		2,912,000.00		2,912,000.00			
44	Supplying of 4 core copper wire 37/0.33 (1) 100mm	800	Meter	605.00	484,000.00		484,000.00		868,000.00	868,000.00		868,000.00		868,000.00			
C		Provisional sum					1,70,217.165		3,10,000.00	3,10,000.00		3,10,000.00		3,10,000.00			
D		Contingencies					48,700.000		88,700.000	88,700.000		88,700.000		88,700.000			
		Total					1,70,217.165		3,10,000.00	3,10,000.00		3,10,000.00		3,10,000.00			

  
 Abdul Ghaffoor Soomro  
 Executive Engineer  
 Karkana Taranga  
 Karkana Taranga

Contract Title: CD-1; Restoration / Rehabilitation of Shahidkar and Mirshah Drainage system and allied structures works.

ARRITHMETIC CHECK

S.No	Item	Unit	Rate	Engineer Estimate		Bidder Name												
				Quantity	Total Amount	MS Quader Bhai Ahn	Price at Opening	Final Amount	Change	Final Amount	Util Rate (%)	Evaluated	PFs	PH	N	Amount PPS	PHs	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	Established for Drainage Structures																	
2	Demolishing cement concrete reinforced retaining wall from concrete drainage & structure	Cu	20.14	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq	14704.75	730.236 Sq
3	Demolishing cement concrete Plain 1:3:6	Cu	13.07	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu	2254.87	172.548 cu
4	Demolishing brick work in form of Cement masonry	Cu	6.17	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu	2850.41	461.981 cu
5	Removal of Excavation unclassified road up to 100 ft. in ordinary soil	Cu	0.85	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu	7035.50	8275.888 cu
6	Extra for every 50 ft. additional length of joint (there of) for earth work (Soil Ordinary and hard)	Cu	0.30	401.888 cu	120.57	401.888 cu	120.57	401.888 cu	120.57	401.888 cu	120.57	401.888 cu	120.57	401.888 cu	120.57	401.888 cu	120.57	401.888 cu
7	Supply of clean screened (River or PH) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner	Cu	0.170	298.498 cu	50.74	298.498 cu	50.74	298.498 cu	50.74	298.498 cu	50.74	298.498 cu	50.74	298.498 cu	50.74	298.498 cu	50.74	298.498 cu
8	Draining and leveling of Earth work in designated section as complete to ordinary or hard soil	Cu	0.06	548.145 cu	32.89	548.145 cu	32.89	548.145 cu	32.89	548.145 cu	32.89	548.145 cu	32.89	548.145 cu	32.89	548.145 cu	32.89	548.145 cu
9	Carriage of 120 C.M. 1/2 ton of all material like stone aggregate, sand, coal, lime, bricks etc. B.C. and packing forms and crossing bridges, girders, poles, 10" x 8" or 1000 pounds of fuel used by trucks or any other means owned by the contractor. No supply of material from source to site of work	Cu	4.03	36.145 cu	145.66	36.145 cu	145.66	36.145 cu	145.66	36.145 cu	145.66	36.145 cu	145.66	36.145 cu	145.66	36.145 cu	145.66	36.145 cu
10	Excavation in foundation of buildings, bridges & other structures to deep banking, retaining, leveling and the enclosure with concrete or masonry & retaining wall up to 2 ft. in ordinary soil	Cu	1.31	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu	1405.51	1072.837 cu
11	Extra for soil earth work	Cu	0.42	111.220 cu	46.71	111.220 cu	46.71	111.220 cu	46.71	111.220 cu	46.71	111.220 cu	46.71	111.220 cu	46.71	111.220 cu	46.71	111.220 cu
12	Full hrs charges of the pumping set per day inclusive of wages of driver and attendant for electric energy, plate forms required for placing, Pumps etc. lower depths with suction and delivery pipes for pumping out water found at various depths from trenches at the cost of erection & dismantling after completion of the job. Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench	Days	600.00	1.330 days	798.00	1.330 days	798.00	1.330 days	798.00	1.330 days	798.00	1.330 days	798.00	1.330 days	798.00	1.330 days	798.00	1.330 days
13	For working the pumps beyond 8 Hours. The rate of the pumps and cost per day for 24 hours included in above item No. 12;	Hours	85.00	2.248 hours	191.28	2.248 hours	191.28	2.248 hours	191.28	2.248 hours	191.28	2.248 hours	191.28	2.248 hours	191.28	2.248 hours	191.28	2.248 hours
14	Cement concrete plain in placing, cementing, finishing and during complete curing of concrete 1:1.5:3.15. 100 cu aggregate without shoring, 100 cu supply of material from source to site of work	Cu	50.11	5.669 cu	283.66	5.669 cu	283.66	5.669 cu	283.66	5.669 cu	283.66	5.669 cu	283.66	5.669 cu	283.66	5.669 cu	283.66	5.669 cu
15	Plaza brick work other than buildings in ending of joints up to 20 ft. height in cement sand mortar 1:3. No supply of material from source to site of work	Cu	59.15	10.877 cu	643.31	10.877 cu	643.31	10.877 cu	643.31	10.877 cu	643.31	10.877 cu	643.31	10.877 cu	643.31	10.877 cu	643.31	10.877 cu

Signature:   
 Engineer   
 Division   
 Bangalore

Bidder Name																
M/S Qalandar Best Altra																
S No	Items	Engineer Estimate					Price at Opening									
		Item	Unit	Rate	Total Amount	Change	Final Amount	PKR	Unit Rate (PKR)	Increment	PKR	%	PKR	%	PKR	%
19	Excavation and removal of concrete for RCC in plain cement concrete work of Dewatering shed 2nd class vertical.	28742	Sq	19.57	562,540.94	11,111.61%	14,362,394.70	138,710.00	5.00	131,710	111,710	0.00%	0	0.00%	0	0.00%
20	Removal of concrete from site including compaction, finishing and curing complete in screening and washing of stone aggregate without shuffling ratio (1:3:4) supply of material from source to site of work.	27286	Cu	274.83	7,484,100.44	1,124,993.67	8,609,094.11	3,481,000.00	175.00	3,411,000	3,411,000	0.00%	0	0.00%	0	0.00%
21	Reinforced cement concrete work, viz. labor and material except the cost of steel reinforcement and its labor for bedding and banding which will be paid separately. This rate also includes all items of form, moulds, filling, slabbing, curing, raising & finishing the exposed surface (i.e. screeding & setting of straight) (a) R.C. work in roof slab, beams, columns, walls, floors and other appropriate members laid in situ or pre cast bed in formwork. (b) The concrete to be used shall be of grade (1:2:4) with a maximum of 2.0% water, 4% air, suitable for use. (c) Supply of material from source to site of work.	177988	Cu	614.87	20,303,808.74	11,638,963.74	34,132,772.48	32,094,340.00	180.00	13,644,340	13,644,340	0.00%	0	0.00%	0	0.00%
22	Construction of road steel reinforcement for concrete, concrete including bedding, filling in position, setting, joints and banding, excluding cost of bedding, concrete excluding removal of road from form at building to 5 hours source to site of work.	9448	Cu	2031.91	29,433,443.88	4,122,246.23	33,555,690.11	42,345,000.00	5000.00	42,345,000	42,345,000	0.00%	0	0.00%	0	0.00%
23	General finishing (smooth) joints on walls (b) (c) (d) 1:3 or supply of material from source to site of work.	35143	Cu	8.40	294,811.30	17,811.16	312,622.46	210,800.00	6.00	310,800	310,800	0.00%	0	0.00%	0	0.00%
24	General finishing (smooth) joints on walls (b) (c) (d) 1:3 or supply of material from source to site of work.	200008	Sq	0.47	1,276,000.00		1,276,000.00	2,408,000.00	0.90	2,408,000	2,408,000	0.00%	0	0.00%	0	0.00%
25	Formwork for concrete in trenches, concrete, slabs, etc. to be supported by wooden formwork and props, including material, transport of and dressed within 50 ft. load (a) in ordinary soil.	734016	Cu	0.99	7,338,719.34		7,338,719.34	14,789,000.00	2.00	14,789,000	14,789,000	0.00%	0	0.00%	0	0.00%
26	Stone filling for hand placed or filling, raised retaining walls or in packing and joints, viz. supply of material from source to site of work.	23750	Cu	6.75	218,862.50		218,862.50	803,750.00	25.00	803,750	803,750	0.00%	0	0.00%	0	0.00%
27	Formation dressing & preparing sub grade (b) (c) (d) on Slope.	18300	Cu	1.04	112,864.88		112,864.88	87,540.00	1.50	87,540	87,540	0.00%	0	0.00%	0	0.00%
28	Stone pitching including sub base with 100mm dressed stone on surface laid in concrete or supply of material from source to site of work.	11700	Cu	18.88	2,189,760.00		2,189,760.00	4,991,400.00	42.00	4,991,400	4,991,400	0.00%	0	0.00%	0	0.00%
29	Cement Plaster, up to 75 mm thick (b) (c) (d) 1:3 or supply of material from source to site of work.	30073	Sq	7.15	2,149,369.95	191,111.94	2,340,481.89	348,200.00	9.00	414,200	414,200	0.00%	0	0.00%	0	0.00%
30	Each work compaction (Sub, ordinary or hard soil), laying each in 6" layers leveling & dressing, wearing etc. complete.	11798327	Cu	0.12	1,415,808.75		1,415,808.75	8,267,400.00	0.70	8,267,400	8,267,400	0.00%	0	0.00%	0	0.00%
31	Preparing base course (b) shipping and spreading stone (c) approved quality in required thickness to make concrete and 7" grade in supply and spreading 10 Cu screening and non plastic quality fines, filling depressions with stone made into, initial rolling in retaining and 100% density the same so as to achieve 100% density as per measured (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z) (aa) (ab) (ac) (ad) (ae) (af) (ag) (ah) (ai) (aj) (ak) (al) (am) (an) (ao) (ap) (aq) (ar) (as) (at) (au) (av) (aw) (ax) (ay) (az) (ba) (bb) (bc) (bd) (be) (bf) (bg) (bh) (bi) (bj) (bk) (bl) (bm) (bn) (bo) (bp) (bq) (br) (bs) (bt) (bu) (bv) (bw) (bx) (by) (bz) (ca) (cb) (cc) (cd) (ce) (cf) (cg) (ch) (ci) (cj) (ck) (cl) (cm) (cn) (co) (cp) (cq) (cr) (cs) (ct) (cu) (cv) (cw) (cx) (cy) (cz) (da) (db) (dc) (dd) (de) (df) (dg) (dh) (di) (dj) (dk) (dl) (dm) (dn) (do) (dp) (dq) (dr) (ds) (dt) (du) (dv) (dw) (dx) (dy) (dz) (ea) (eb) (ec) (ed) (ee) (ef) (eg) (eh) (ei) (ej) (ek) (el) (em) (en) (eo) (ep) (eq) (er) (es) (et) (eu) (ev) (ew) (ex) (ey) (ez) (fa) (fb) (fc) (fd) (fe) (ff) (fg) (fh) (fi) (fj) (fk) (fl) (fm) (fn) (fo) (fp) (fq) (fr) (fs) (ft) (fu) (fv) (fw) (fx) (fy) (fz) (ga) (gb) (gc) (gd) (ge) (gf) (gg) (gh) (gi) (gj) (gk) (gl) (gm) (gn) (go) (gp) (gq) (gr) (gs) (gt) (gu) (gv) (gw) (gx) (gy) (gz) (ha) (hb) (hc) (hd) (he) (hf) (hg) (hh) (hi) (hj) (hk) (hl) (hm) (hn) (ho) (hp) (hq) (hr) (hs) (ht) (hu) (hv) (hw) (hx) (hy) (hz) (ia) (ib) (ic) (id) (ie) (if) (ig) (ih) (ii) (ij) (ik) (il) (im) (in) (io) (ip) (iq) (ir) (is) (it) (iu) (iv) (iw) (ix) (iy) (iz) (ja) (jb) (jc) (jd) (je) (jf) (jg) (jh) (ji) (jj) (jk) (jl) (jm) (jn) (jo) (jp) (jq) (jr) (js) (jt) (ju) (jv) (jw) (jx) (jy) (jz) (ka) (kb) (kc) (kd) (ke) (kf) (kg) (kh) (ki) (kj) (kk) (kl) (km) (kn) (ko) (kp) (kq) (kr) (ks) (kt) (ku) (kv) (kw) (kx) (ky) (kz) (la) (lb) (lc) (ld) (le) (lf) (lg) (lh) (li) (lj) (lk) (ll) (lm) (ln) (lo) (lp) (lq) (lr) (ls) (lt) (lu) (lv) (lw) (lx) (ly) (lz) (ma) (mb) (mc) (md) (me) (mf) (mg) (mh) (mi) (mj) (mk) (ml) (mm) (mn) (mo) (mp) (mq) (mr) (ms) (mt) (mu) (mv) (mw) (mx) (my) (mz) (na) (nb) (nc) (nd) (ne) (nf) (ng) (nh) (ni) (nj) (nk) (nl) (nm) (nn) (no) (np) (nq) (nr) (ns) (nt) (nu) (nv) (nw) (nx) (ny) (nz) (oa) (ob) (oc) (od) (oe) (of) (og) (oh) (oi) (oj) (ok) (ol) (om) (on) (oo) (op) (oq) (or) (os) (ot) (ou) (ov) (ow) (ox) (oy) (oz) (pa) (pb) (pc) (pd) (pe) (pf) (pg) (ph) (pi) (pj) (pk) (pl) (pm) (pn) (po) (pp) (pq) (pr) (ps) (pt) (pu) (pv) (pw) (px) (py) (pz) (qa) (qb) (qc) (qd) (qe) (qf) (qg) (qh) (qi) (qj) (qk) (ql) (qm) (qn) (qo) (qp) (qq) (qr) (qs) (qt) (qu) (qv) (qw) (qx) (qy) (qz) (ra) (rb) (rc) (rd) (re) (rf) (rg) (rh) (ri) (rj) (rk) (rl) (rm) (rn) (ro) (rp) (rq) (rr) (rs) (rt) (ru) (rv) (rw) (rx) (ry) (rz) (sa) (sb) (sc) (sd) (se) (sf) (sg) (sh) (si) (sj) (sk) (sl) (sm) (sn) (so) (sp) (sq) (sr) (ss) (st) (su) (sv) (sw) (sx) (sy) (sz) (ta) (tb) (tc) (td) (te) (tf) (tg) (th) (ti) (tj) (tk) (tl) (tm) (tn) (to) (tp) (tq) (tr) (ts) (tt) (tu) (tv) (tw) (tx) (ty) (tz) (ua) (ub) (uc) (ud) (ue) (uf) (ug) (uh) (ui) (uj) (uk) (ul) (um) (un) (uo) (up) (uq) (ur) (us) (ut) (uu) (uv) (uw) (ux) (uy) (uz) (va) (vb) (vc) (vd) (ve) (vf) (vg) (vh) (vi) (vj) (vk) (vl) (vm) (vn) (vo) (vp) (vq) (vr) (vs) (vt) (vu) (vv) (vw) (vx) (vy) (vz) (wa) (wb) (wc) (wd) (we) (wf) (wg) (wh) (wi) (wj) (wk) (wl) (wm) (wn) (wo) (wp) (wq) (wr) (ws) (wt) (wu) (wv) (ww) (wx) (wy) (wz) (xa) (xb) (xc) (xd) (xe) (xf) (xg) (xh) (xi) (xj) (xk) (xl) (xm) (xn) (xo) (xp) (xq) (xr) (xs) (xt) (xu) (xv) (xw) (xx) (xy) (xz) (ya) (yb) (yc) (yd) (ye) (yf) (yg) (yh) (yi) (yj) (yk) (yl) (ym) (yn) (yo) (yp) (yq) (yr) (ys) (yt) (yu) (yv) (yw) (yx) (yz) (za) (zb) (zc) (zd) (ze) (zf) (zg) (zh) (zi) (zj) (zk) (zl) (zm) (zn) (zo) (zp) (zq) (zr) (zs) (zt) (zu) (zv) (zw) (zx) (zy) (zz)	3300	Cu	16.54	54,562.80		54,562.80	26,000.00	8.00	34,800	34,800	0.00%	0	0.00%	0	0.00%

Abdul Ghaffar Engineer  
 Project Management Division  
 Islamabad

Engineer  
 for Soomro  
 Page Division  
 Bahawalpur  
 Bahawalpur

S.No	Item	Equipment Estimate										Bidder Name				
		M/S Qasim Buz Akhri										M/S Qasim Buz Akhri				
		Item	Unit	Rate	Total Amount	Charge	Final Amount	PKA	Unit Rate (PKA)	Estimated	PKA	PKA	N	PKA	PKA	
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
8	MIRI DRAIN DRAINAGE SYSTEM															
	1) Reinforcing Cement concrete members	8078	Cm	20.14	208,767.54											
	2) Demolishing concrete Plain 1:2:6	2486	Cm	13.07	32,617.23											
	3) Demolishing brick work in line or Cornice	22930	Cm	6.17	141,849.71											
	4) Excavation without need for	9524092	Cm	0.85	8,096,625.02											
	5) Backfill for each 50:50 aggregate sand or part	2253335	Cm	0.26	58,586.71											
	6) Supply of deep screamed (River or Pk)	218554	Cm	0.18	39,339.92											
	7) Dressing and leveling of Earth work to	1572857	Cm	0.08	125,828.56											
	8) Carriage of 100 CM/7.5 bars of all material	7140383	Cm	5.03	35,911,888.32											
	9) Excavation at foundation of building	519508	Cm	1.21	628,175.02											
	10) Supply of all material for	178755	Cm	0.42	74,885.14											
	11) Supply of all material for	742	Days	900.00	667,800.00											
	12) For working the pump beyond 4 hours the	11872	Hrs	85.00	1,009,120.00											
	13) Cement concrete plain for placing	84	Cm	11.00	924.00											
	14) Aggregate without shuttering ratio 1:4:3 for	54085	Cm	5.00	2,704,250.00											
	15) Backfill work other than buildings etc	14654	Cm	58.75	8,54,576.50											
	16) Erection and removal of casting for RCC	9777	BR	18.58	180,380.12											

Addl. Charge  
 Bahawalpur

S.No.			Bidder Name			M/S Qasim Bhai Ahir			Price at Discount			Price at Discount			Price at Discount		
Item	Unit	Rate	Total Amount	Quantity	Final Amount	PG	Unit Rate (PR)	Estimate	PG	PG	N	PG	PG	PG	PG	PG	PG
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Concrete grade 15 cc casting including finishing and curing complete	10	218 417.00	281.174.11	499 545.15	449 025.00	125.00	449.025			0.00%						
11	Aggregate without shuttling rails 1.2 x 4 cc supply of material from source to site of work		5,415,736.21	3,095,518.77	8,112,254.98	6,544,020.00	160.00	5,344,400			0.00%						
18	Reinforced concrete work as per labour and material except the cost of labour and material and its labour for casting and bedding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering & finishing the exposed surface (cc screeding & washing of slabs) (a) R.C. work in roof slab, beams, columns etc. (b) and other structural members laid in situ or precast bed in position completed in all respects. (c) Rate 172-4). 50 lbs per cu. meter. 2 cc. cast. 4 cc. strength 100 kg/cm <sup>2</sup> gauge.		56,259.96	48,233,118.00	48,272,716.81	53,249,020.00	5000.00	11,110.00			0.00%						
19	Fabrication of steel reinforcement for concrete including cutting bending tying in position marking forms and formwork including cost of handling with this exclusive removal of steel from form to supply 18.5 from source to site of work.		140,009.20	96,121.11	178,811.36	134,206.00	6.00	134,206			0.00%						
20	Cast-in-place concrete joints on walls (B) 1:1:2 supply of material from source to site of work.		420,851.43	420,851.43	420,851.43	374,397.00	0.80	374,397			0.00%						
21	Earth work excavation in preparation of foundation, drains etc. as per detailed section grade and profile including material disposal (off and surplus) within 50' E. Road (B) in company cut		3,087,548.52	2,087,548.52	2,087,548.52	4,228,072.00	2.00	4,228,072			0.00%						
23	Stone filling dry laid (placed as filling behind retaining walls or in pitching and aprons) cc supply of material from source to site of work.		196,564.00	196,564.00	196,564.00	778,430.00	20.00	778,430			0.00%						
24	Formation (finishing & preparing sub grade (B) on Slope		170,880.42	170,880.42	170,880.42	132,499.00	1.50	132,499			0.00%						
25	Stone pitching including sub base with normal dressed stone on surface laid in course to supply of material from source to site of work.		2,425,217.28	2,425,217.28	2,425,217.28	5,817,838.00	42.00	5,817,838			0.00%						
26	Concrete Paving up to 20' height (B) 1:2:4 supply of material from source to site of work.		149,886.00	149,886.00	149,886.00	182,485.00	9.00	182,485			0.00%						
27	Earth work completion (cut, ordinary or hard soil), laying earth in 6' layers leveling & dressing complete to supply of material from source to site of work.		1,164,833.83	1,164,833.83	1,164,833.83	6,718,888.00	8.70	6,718,888			0.00%						
28	Providing RCC pipes and collars of class B and laying in trench, cc casting, fitting and jointing with maximum composition and cement mortar (1:1) cc casting work value to a head of 22.5 meter or 75' (C) (B).		82,156.40	82,156.40	82,156.40	134,400.00	700.00	134,400			0.00%						
29	Mixing & Filling grout in opening cc casting @ 100 with the ratio 7:3:27 & N. 50, 8425 (B) *		138,981.20	138,981.20	138,981.20	188,000.00	200.00	188,000			0.00%						
30	First class teak wood, through primary in doors and windows etc fixed in position cc chokkas hot lava hinges iron tower bolts chock crads handles and combs with locks etc. Doorset paneled or paneled frame in fully glazed (B) 11' x 6' thick		88,094.40	88,094.40	88,094.40	96,800.00	440.00	96,800			0.00%						

Soomro  
gineer  
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bdul  
Eke  
Arkan

S.No	Items	Engineer Estimate										Bidder Name					
		M-5 Quatler Bar Alms										M-5 Quatler Bar Alms					
		Qty	Unit	Rate	Total Amount	Change	Final Amount	MS	Live Rate (PPS)	Included	PS	PS	%	Amount PPS	MS		
21	Painting and surface (V) treating doors	1080	Sq	1.50	1,620.00		1,620.00		10,000.00	10.00	10,000.00		10,000.00	10,000.00	100%		
22	Hand wash basin type in DT coats	1800	Sq	1.15	2,070.00		2,070.00		5,000.00	3.00	5,000.00		5,000.00	5,000.00	100%		
23	Walls wash basin in DT coats	1800	Sq	1.04	1,872.00		1,872.00		3,700.00	2.00	3,700.00		3,700.00	3,700.00	100%		
24	Colour wash basin in DT coats	1800	Sq	1.04	1,872.00		1,872.00		3,700.00	2.00	3,700.00		3,700.00	3,700.00	100%		
25	Primary coat of chack distemper	2300	Sq	0.50	1,150.00		1,150.00		15,000.00	0.00	15,000.00		15,000.00	15,000.00	100%		
26	Distemper in DT coats	2300	Sq	2.04	4,692.00		4,692.00		15,000.00	5000.00	15,000.00		15,000.00	15,000.00	100%		
27	Replacement of old MSB turbine pumps with New MSB pump, PWW 500-4 (V) Tubular casing of 25 cu mts discharge with fixed in per sets, well lubricated & delivery pipe required as per sets of (4) from dia 8" 2mm thick with 00 HP (Semi) copper cable 3/16" (10mm) diameter, copper cable 3/16" (10mm) diameter of 400m at 1000 bar required at site in respect with all accessories etc. etc work	10	Each	2000000.00	20,000,000.00		20,000,000.00		70,000,000.00	7000000.00	70,000,000.00		70,000,000.00	70,000,000.00	100%		
28	Supplying of clean pure 5 tons 20 meters chain	1	Each	40000.00	40,000.00		40,000.00		15,000.00	15000.00	15,000.00		15,000.00	15,000.00	100%		
29	Providing & Fixing of Transformer (400KVA) w/ all accessories @ Main Khuan Pumping Station	1	Each	1000000.00	1,000,000.00		1,000,000.00		3,000,000.00	3000000.00	3,000,000.00		3,000,000.00	3,000,000.00	100%		
30	Supplying of 1 core copper wire 37/0.83 (240 mm)	800	meter	900.00	720,000.00		720,000.00		3,300,000.00	9000.00	3,300,000.00		3,300,000.00	3,300,000.00	100%		
C	Provisional Sum				1,400,000.00		1,400,000.00		500,000.00		500,000.00		500,000.00	500,000.00	100%		
D	Contingency				70,000,000.00		70,000,000.00		500,000.00		500,000.00		500,000.00	500,000.00	100%		
					71,400,000.00		71,400,000.00		500,000.00		500,000.00		500,000.00	500,000.00	100%		

  
**Abdul Ghafoor Soomro**  
 Executive Engineer  
 Larkana Drainage Divisier  
 Larkana



COMPARATIVE STATEMENT - BID PRICE

S.No.	Items	Engineer Estimate	Budget Name			
			M/S Model Engineering Construction Company/CENCON JV		M/S Qalander Des Aree	
			Corrected Bid Price	% Difference	Corrected Bid Price	% Difference
			PKR		PKR	
		7447540	100%	7447540	100%	
A	<b>Shallidat Irrigation Drainage System</b>					
1	Demolishing 1.00m concrete reinforced masonry non-reinforced from electric clearing & strengthening	1912784	636,500	-4.55%	1726,448	-4.52%
2	Demolishing concrete concrete floor 1.50	112,549.87	118,834	-11.19%	145,144	-15.82%
3	Demolishing brick work in line or concrete masonry	465,991.00	381,484	-35.18%	301,484	-35.18%
4	Demolish 1.00m reinforced level up to 1000 (a) ordinary and	8,327,830.50	45,808,121	451.20%	47,865,630	454.90%
5	Costs for every 50.0 additional load in part three of (a) for earth work (Self Ordinary and level)	407,088.91	2,655,848	557.89%	2,455,848	537.84%
6	Supply of clean screened (8mm or 10mm) sand within 5 chain including removal of top coat of earth in outer border and supply to the Government as per in the previous notes.	258,491.52	293,250	11.44%	281,250	11.44%
7	Clearing and leveling of Earth work to designated section (a) concrete, (b) in ordinary of land and	540,141.56	7,155,383	1066.50%	7,155,383	1066.50%
8	Carriage of 100 C.F.S tonnes of all material like stone aggregate, gravel, sand, lime, silt etc. (11) rail loading points and unloading bridges, godown papers, 10% to 5% (100) records of fuel used in trucks or any other means owned by the contractor or supply of material from source to site of work.	36,143,062.58	53,945,798	-45.25%	27,542,000	-59.20%
9	Foundation in foundation of buildings, bridges & other structures including leveling, dressing, refilling around the structures with excavated earth masonry & remaining level up to 5.0 m. in ordinary and	1,072,827.91	7,441,514	57.05%	7,441,514	57.05%
10	Costs for wet earth work	111,130.95	236,795	112.51%	236,795	112.51%
11	Full time charges of the Pumping set per day including of wages of driver and Assistant fuel or electric energy, plate forms required for placing Pump etc. all lower depth with suction and delivery pipes for pumping out water from at various depths from trenches in the case of masonry & demolishing after completion of the job. (1) Full charges of pumping set up to 10.00' Pumping out water from 10' deep (2) work	1,530,201.00	1,478,000	11.11%	1,478,000	11.11%
12	For working the pump beyond 8 hours. The fee of the Pumping set itself being for 24 hours included in above item (1)	2,246,360.00	2,364,000	5.20%	2,364,000	5.20%
13	Current concrete plain for placing compacting finishing and curing complete (a) including and washing of stone aggregate without shattering (1) 1.5% of supply of material from source to site of work	14,433,121.00	18,725,490	-23.67%	20,725,490	-21.67%
14	Face brick work other than buildings & working of joints up to 20.00' height in cement sand mortar 1:1 (a) supply of material from source to site of work	18,541,990.72	14,644,718	-21.01%	14,644,718	-21.01%
15	Erection and removal of concrete for 40% or more cement concrete work of (1) concrete wall 2nd class normal	14,302,094.31	133,718	-99.07%	133,718	-99.07%
16	Current concrete plain for placing compacting finishing and curing complete (a) including and washing of stone aggregate without shattering (1) 2.4% of supply of material from source to site of work	9,619,086.11	3,411,000	-64.54%	3,411,000	-64.54%
17	Reinforced cement concrete work (a) all Labour and material except the cost of steel reinforcement and its labour for bending and tying which will be paid separately. This rate also includes all kinds of forms, wooden filling, shoring, covering & finishing the exposed surface (1) concrete & washing of shackle (1) 1/2" work in road side, beams, columns, walls, floors and other structural members laid in situ or pre cast and in-situ concrete completed in all respects. (a) Ratio (1) 2:1:10 (b) cement, 2.4% sand, 4% ch. shackle 1.9% to 10% gauge (a) supply of material from source to site of work	36,159,675.52	37,834,346	-6.22%	37,834,346	-6.22%
18	Evaluation of mild steel reinforcement for concrete concrete including cutting, bending, tying in provision making joints and including cost of bending wire also including removal of rust from bars (a) supply 5% from source to site of work	27,222,714.14	42,145,000	55.17%	42,145,000	55.17%
19	Cement plaster brick joints on walls (1) Ratio 1:1 (a) supply of material from source to site of work	282,746.30	210,838	-25.43%	210,838	-25.43%
20	For handling of earthwork, (b) up to a load of 500	1,274,001.91	3,406,614	88.80%	3,406,614	88.80%
21	Earth work excavation in irregular (1) channel drains etc. decided in design section grade and profile excavated material disposed off and stored within 50.00' load (a) in ordinary and	7,120,718.14	14,768,623	105.57%	14,768,623	105.57%
22	Stone filling dry laid packed in filling (1) channel retaining walls or in pitching and opening (a) supply of material from source to site of work	216,867.00	863,750	270.59%	863,750	270.59%
23	Excavation shoring & Propping set grade (1) on Slope	112,444.96	87,510	-22.52%	87,510	-22.52%
24	Stone pitching including all items with concrete (1) covered stone or surface laid in concrete (a) supply of material from source to site of work	1,148,764.50	4,491,400	132.47%	4,491,400	132.47%
25	Cement Plaster up to 20' height (1) 1:1 (a) supply of material from source to site of work	415,122.68	245,267	-40.56%	245,267	-40.56%

Abdul Ghaloor Soomro  
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 Larkana Drainage Division  
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S.No	Item	Equivalent Rates	M/S Maani Engineering Construction Company-CEMCO J.Y		M/S Qasim Buz Akhr	
			Corrected Bid Price	% Diff/Over	Corrected Bid Price	% Diff/Over
			PRs		PRs	
			Unit Amount	Rs-E-G	Rs-E-G	
26	Earth work comprising (1)B, ordinary in base soil, having depth in 6' layers leveling & dressing, ensuring etc complete	1,455,666.75	8,351,429	467.26%	8,257,229	467.26%
27	Preparing base course of supporting and spreading stone metal or approved quality properly graded to maximum size of 1-1/2" in required thickness in proper layers and grade as specified and spreading 15.0% moisture and non plastic quality fines, filling depressions with stone metal after final rolling & watering and compacting the same as per to achieve 100% density as per modified AASHTO specification (Rate of all cost of materials T&F)	35,582.80	36,888	31.94%	36,888	31.94%
<b>B. MINOR DRAINAGE SYSTEMS</b>						
1	Dismantling of cast concrete reinforced supporting reinforcement from concrete channel & strengthening	319,767.54	308,650	-4.55%	308,650	-4.55%
2	Dismantling of cast concrete Plain 1:3:6	22,617.71	-22,464	-75.13%	27,456	-15.82%
3	Dismantling brick work in line of concrete channel	119,649.14	90,120	-25.16%	90,528	-25.18%
4	Shove pit 1:4 maximum maximum lead up to 100 ft. (as ordinary work)	8,166,905.92	41,838,454	451.29%	44,763,232	454.90%
5	Extra for every 50 ft. additional lead in part (less of a) for each work 1:4 (Ordinary and hard)	685,013.84	4,506,670	657.89%	4,206,410	527.80%
6	Supply of clear screened (less of 75) sand within 5 chain including removal of low class of sand or other banks and royalty to the Government at cost to the private owner	18,136.15	43,718	13.44%	43,718	13.44%
7	Dressing and leveling of Earth work in designed section etc complete (B) as ordinary and hard soil	1,36,821.84	2,877,543	1866.59%	2,877,543	1866.59%
8	Carriage of 100 C.F.S. base of all covered like stone aggregate, gravel, sand, fine, with etc. 1:1:1 rail fastening points and covering bridges, girders, pipes, etc. 1/2" or 1000 pounds of fuel used by trucks or any other means used by the contractor in supply of material from source to site of work.	12,911,898.72	53,595,715	45.21%	57,176,896	59.28%
9	Excavation in foundation of buildings, bridges & other structure of clay fillings dressing rolling around the structure with extension of earth watering & remaining lead up to 5 ft. as ordinary and	678,175.62	1,829,918	31.05%	1,829,918	31.05%
10	Extra for wet soil work	29,855.26	159,880	112.51%	159,880	112.51%
11	Full line charges of the Pumping set per day inclusive of wages of driver and fireman fuel for electric energy, plus forms required for placing Pumping set of linear depth with section and secondary pipes for pumping and water raised at various depths from trenches & the cost of erection & dismantling after completion of the job (16) Full charges of pumping set of up to 10 HP (Pumping one water from 15 deep trench)	667,880.00	742,800	11.11%	742,800	11.11%
12	For working the pump beyond 8 hours the following payment shall be made: The hire of the Pumping set is self hire for 24 hours (a) for a pumping set of type 10-10 (b) that not less than 5 (HP)	1,127,440.00	1,187,200	5.26%	1,187,200	5.26%
13	Concrete concrete plain in place comprising finishing and curing complete including necessary and working of stone aggregate Without shoring and 1:4 of supply of material from source to site of work.	5,318.74	4,488	-21.66%	4,488	-21.66%
14	Concrete concrete plain in place comprising finishing and curing complete including necessary and working of stone aggregate Without shoring and 1:3:6 of supply of material from source to site of work.	4,965,825.71	5,128,875	26.19%	5,128,875	26.19%
15	Extra work work other than finishing & striking of joints up to 20 ft. height in concrete wall section 1:3:6 of supply of material from source to site of work.	15,669,342.74	12,372,220	-21.04%	12,372,220	-21.04%
16	Excision and removal of concrete for RCC or plain concrete concrete work of finished road 200 class vertical	1,886,808.89	48,635	-96.75%	48,635	-96.75%
17	Concrete concrete plain in place comprising finishing and curing complete including necessary and working of stone aggregate Without shoring and 1:2:4 of supply of material from source to site of work.	499,541.11	449,623	-4.49%	449,623	-4.49%
18	Reinforced concrete work in all labour and material except the cost of steel reinforcement and its labour for bending and loading which will be paid separately. This rate also includes all kinds of forms, scaffolding, shoring, curing, rendering & finishing the exposed surface (i.e. screeding & working of sample) of R.C. work in roof work, beams, columns, walls, joints and other structural members laid in situ or precast and in position, completed in all respects (i) Rate (1.2 sq. ft) for concrete, 2 off sand, 4 off, single 100 to 100' gauge.	9,117,246.96	8,544,428	-4.23%	8,544,428	-4.23%
19	Fabrication of mild steel reinforcement for concrete, concrete including cutting bending tying or position making joints and fixings including cost of bending wire also includes cost of iron from form or supply, 1/5 from source to site of work.	48,272,716.61	33,318,900	-29.47%	33,318,900	-29.47%
20	Concrete forming brick joints on walls (1) Plain 1:1:6 of supply of material from source to site of work.	176,341.19	134,268	-24.16%	134,268	-24.16%
21	Re banding of castwork (1) (1) in a lead of 50%	420,871.45	796,997	89.39%	796,997	89.39%

**Abdul Ghafiq Soomro**  
 Executive Engineer  
 Drainage Division  
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S.No.	Items	Original Estimate	Bidder Name			
			M/S Madal Engineering Construction Company/EMCON J.V		M/S Qalandar Bas Akbar	
			Caracted Bid Price	% Difference	Caracted Bid Price	% Difference
		10000000		10000000		
		744546	7.45%	744546	7.45%	
22	Earth work excavation in rectangular channel drains etc. designed to designed section grade and profile excavated material disposed off and stored within 500 M. limit (a) as necessary and	2,092,546.51	4,328,873	101.57%	4,328,873	101.57%
23	Stone lining dry lined packed in filter fabric retaining walls or in pitching and aprons the supply of material from source to site of work	196,594.35	728,458	270.59%	728,458	270.59%
24	Concrete drainage & Paving sub grade (S) on Slope	170,961.42	122,439	-22.52%	122,439	-22.52%
25	Stone pitching including sub base with lean concrete dressed stone on surface laid in course by supply of material from source to site of work	2,525,217.24	4,617,834	122.47%	4,617,834	122.47%
26	Concrete Paving up to 20' height (1) 1.2" thick over 1.5" of supply of material from source to site of work	238,446.76	192,465	-19.28%	192,465	-19.28%
27	Earth work construction (Soil, subsoil and hard soil) laying earth in 1" layers leveling & dressing complete & supply of material from source to site of work	1,184,617.83	4,719,963	407.20%	4,719,963	407.20%
28	Providing RCC Pipes and collars of class II and going to trench in cutting, fitting and joining with acceptable connections and casters (1) 11" dia using with water to a total of 22.5 meter or 75' (24" dia)	62,191.40	134,400	116.25%	134,400	116.25%
29	Making & fixing paving in opening in fitting of site with flat top 2" x 500' x 500' Sq. Meter of 2"	138,961.20	168,000	20.90%	168,000	20.90%
30	First class double wood. Wrought iron or steel and wooden etc. fixed in position by chains and bolts. Iron hinges iron lower bolts check chains handles and cords with handles etc. Double parallel or parallel plates or fully played (1) 1" x 5' thick	68,198.40	94,000	42.16%	94,000	42.16%
31	Painting old structure (1) Painting doors and windows etc. (2) in (3) coats	5,833.92	18,000	81.70%	18,000	81.70%
32	White washing (1) 103 coats	2,181.51	3,462	161.46%	3,462	161.46%
33	Colour washing (2) coats	1,965.76	2,700	92.70%	2,700	92.70%
34	Primary coat of chalk distemper	1,358.85	2,418	239.85%	2,418	239.85%
35	Overlapping (1) two coats	4,715.44	13,854	193.80%	13,854	193.80%
36	Glaze in quantity	56,000.00	1,75,000	108.33%	1,75,000	108.33%
37	Replacement of old KHI Turbine pumps with New KHI pump, (P/W 520470) (1) for casting of 25 cubic discharge with head as per site, water lubricated & delivery pipe received as per site of (1) Pump dia & 0.47mm thick) with 30 HP (1) Motor 940 RPM & 30CV (of Siemens) copper cable 37000 (4 core) 120mm of dia not to be laid in trench at site in support with all accessories (as per) work	10,000,000.00	13,800,000	66.67%	13,800,000	66.67%
38	Supplying of chain pulley 1 ton 20 meters dia	40,000.00	15,000	-62.50%	15,000	-62.50%
39	Providing & fixing of Transformer (300 VA) at all accessories of Main Khali Pumping Station	1,000,000.00	3,500,000	137.50%	3,500,000	137.50%
40	Supplying of 4 core copper wire 11000 (240 sqm)	547,000.00	3,300,000	422.70%	3,300,000	422.70%
C	Environmental Management Plan	500,000.00	500,000	0.00%	500,000	0.00%
D	Contingency	5,462,797.76	5,462,797	0.00%	5,462,797	0.00%
		370,147.84	195,793.60	-33.91%	195,793.60	-33.91%

Conclusion: M/S Madal Engineering Construction Company/EMCON (J.V) has offered lowest evaluated rate i.e. 33.91% above the estimate and hence is proposed as lowest evaluated responsive Bidder.

Abdul Ghafoor Samro  
 Executive Engineer  
 Larkana Drainage Division  
 Larkana



Flyovers, Underpasses Pre-Stressed Bridges, Highways, Hydraulic Structures, Irrigation Works, Buildings & Sub-Soil Investigation

## Letter of Price Bid.

Dated:  
NCB No: NCB-CD-1-FERP/Irrigation-Sindh  
Invitation for Bid No: CD-1-ADB/IRR/Sindh/FERP

To: **The Executive Engineer,  
Larkana Drainage Division,  
Larkana.**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with ITB Clause 8;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:  
**"Package No-CD-1: Restoration/Rehabilitation of Shahdaktot & Mirokhan Drainage Systems & Allied Structure Works.**
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is:  
PKR 512132047/-
- (d) The discounts offered and the methodology for their application are: \_\_\_\_\_
- (e) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of Ninety day from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (f) if our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;

Suit # 710, Mashriq Centre  
St. 6/A, Block-14, Gulshan-e-Iqbal, Karachi  
Tel: 021-4141956-8 Fax: 021-4141975

Q.No. A-16,  
Left Barrage Colony,  
Hyderabad.

42-Shaikh Zaid  
Colony  
Larkana

# M/s QALANDER BUX ABRO & COMPANY

Flyovers, Underpasses Pre-Stressed Bridges, Highways, Hydraulic Structures, Irrigation Works, Buildings & Sub-Soil Investigation



(g) We have paid, or will pay the following commission graduates, or fees with respect to the bidding process or execution of the contract.\*\*


Name of Recipient	Address	Reason	Amount
<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>

(h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive;

(j) We agree to permit ADB or its representative to inspect our account and records and other documents relating to the bid submission and to have them audited by auditors appointed by ADB.

(k) If awarded the Contract, the person named below shall act as Contractor's Representative:

  
Name: **Abid Ali Bhutto**  
In the capacity of **Project Manager**

Signed:

\* Duly authorized to sign the application for and on behalf of M/s. Qalander Bux Abro & Co.

Suit # 710, Mashriq Centre  
St. 6/A, Block-14, Gulshan-e-Iqbal, Karachi  
Tel: 021-4141956-8 Fax: 021-4141975

Q.No. A-16,  
Left Barrage Colony,  
Hyderabad.

42-Shaikh Zaid  
Colony  
Larkana



## BILL OF QUANTITIES

"Package No. CD-1: Restoration / Rehabilitation of ShahdadKot and MiroKhan Drainage Systems and Allied Structures works

S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
				(In Figures)	(In Words)	
<b>SHAHDAD KOT DRAINAGE SYSTEM</b>						
1	Dismantling Cement concrete reinforced separating reinforcement from concrete cleaning & strengthening.	Cft.	27940	= 26 =	Twenty Six	726440
2	Dismantling cement concrete Plain 1:3:6	Cft.	13204	= 11 =	Eleven	145244
3	Dismantling brick work in lime or Cement mortar	Cft.	75351	= 4 =	Four	301404
4	Borrow pit Excavation undressed lead up to 100 ft: (a) ordinary soil	Cft.	10184049	= 4.70 =	Four and 70/100	47865030
5	Extra for every 50 ft. additional lead or part there of (a) for earth work ( Sof Ordinary and hard ) Extra 10 Leads .	Cft.	1327924	= 2 =	Two	2655848
3	Supply of clean screened (River or Pit) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner.	Cft.	1466248	= 0.20 =	Twenty Pence	293250
7	Dressing and leveling of Earth work to designed section etc complete. b) in ordinary or hard soil	Cft.	3974057	= 1.80 =	One and 80/100	7153303
1	Carriage of 100 Cft./ 5 tones of all material like stone aggregate, spawl, coal, lime, surkhi etc B.G. rail fastening points and crossing bridges, girders, pipes, 10" x 5" or 1000 mounds of fuel wood by trucks or any other means owned by the contractors i/c supply of material from source to site of work.	Cft.	7192761	= 8 =	Eight	57542088
3	Excavation in foundation of buildings, bridges & other structure i/c dag belling, dressing refilling around the structures with excavated earth watering & remaining lead up to 5 ft. in ordinary soil .	Cft.	820958	= 2 =	Two	1641916
0	Extra for wet earth work.	Cft.	262883	= 0.90 =	ninety Pence	236595
1	Full hire charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, plate forms required for placing Pumps etc. @ lower depths with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection & dismantling after completion of the job. Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench.	Days	1478	= 1000 =	One thousand	1478000



4-34

1-33

Calc. Am	S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
					(In Figures)	(In Words)	
2364800	20	Re-handling of earthwork. (b) Up to a lead of 50Ft:	Cft.	3008268	0.80	Eighty Rupee	2406614
10729490	21	Earth work excavation in irrigation channel, drains etc dressed to designed section grade and profile excavated material disposed off and dressed within 50 ft. lead (a) in ordinary soil.	Cft.	7384316	2	Two Rupees	14768632
14644200	22	Stone filling dry hand packed as filling behind retaining walls or in pitching and aprons i/c supply of material from source to site of work.	Cft.	32150	25	Twenty five Rs	803750
3384	23	Formation dressing & Preparing sub grade (b) on Slope.	Sft.	58360	1.50	One and a half Rupee	87540
3411000	24	Stone pitching including sub base with hammer dressed stone on surface laid in course i/c supply of material from source to site of work.	Cft.	111700	42	Forty two Rs.	4691400
32034240	25	Cement Plaster 1/2" thick ratio 1:3 i/c supply of material from source to site of work.	Sft.	38373	9	Nine Rupee	345357
	26	Earth work compaction (Soft, ordinary or hard soil), laying earth in 6" layers leveling & dressing, watering etc complete.	Cft.	11796327	0.70	Seventy Rupee	8257429
42245000	27	Preparing base course i/c supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" in required thickness to proper camber and grade i/c supply and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling i/c watering and compaction the same so as to achieve 100% density as per modified AASHO specification. (Rate i/c all cost of materials T&P).	Cft.	3360	8	Eight Rupee	26880

Envelope

Single-Stage: Two-Envelope

Procurement of Works - Small Contracts

Bidding Document for Irrigation Sector, FERP

CD-1  
P-68

Calculated Amount	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
				(In Figures)	(In Words)	
208676	13 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:4:8 i/c supply of material from source to site of work.	Cft.	64	= 70 =	Seventy Rs.	4480
27456	14 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:3:6 i/c supply of material from source to site of work.	Cft.	54085	= 95 =	Ninety Five Rs.	5138075
90520	15 Pacca brick work other than buildings i/c striking of joints up to 20 ft. height in cement sand mortar 1:3 i/c supply of material from source to site of work.	Cft.	154654	= 80 =	Eighty Rs.	12372320
4476323	16 Erection and removal of centering for RCC or plain cement concrete work of Deodar wood 2nd class vertical.	Sft.	9727	= 5 =	Five Rs.	48635
4506670	17 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:2:4 i/c supply of material from source to site of work.	Cft.	3597	= 125 =	One hundred Rs.	449625
43710	18 Reinforced cement concrete work i/c 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 moulds lifting, shuttering, curing, rendering & finishing the exposed surface (i/c screening & 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 completed in all respects. (i) Ratio (1:2:4) 90 lbs cement, 2 cft: sand, 4 cft: shingle 1/8" to 1/4" gauge.	Cft.	47469	= 180 =	One hundred Eighty Rs.	8544420
2827543	19 Fabrication of mild steel reinforcement for cement, concrete including cutting bending lying in position making joints and fastenings including cost of binding wire also includes removal of rust from bars i/c supply M.S from source to site of work.	Cwt.	2662	= 500 =	Five hundred Rs.	1331000
5770816	20 Cement Pointing struck joints on walls (b) Ratio 1:3 i/c supply of material from source to site of work.	Sft.	22378	= 6 =	Six Rs.	134268
1037118	21 Re handling of earthwork. (b) Up to a lead of 50Ft.	Cft.	993746	= 0.80 =	Eighty Paise	794997
159080						
742000						
1187200						

velope

Single-Stage: Two-Envelope

Procurement of Works-Small Contracts

Bidding Document for Irrigation Sector, FERP

CD-1  
P-70

4-37

436

Calculated Amount	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
				(In Figures)	(In Words)	
Rs. 42280/-	36 Girder 1st Quality	Cwt.	15	5000/-	Five thousand Rs.	75000/-
Rs. 728450/-	37 *Replacement of old KSB Turbine pumps with New KSB pump, PNW 500-470 Tubular casing of 25 cusecs discharge with head as per site, water lubricated & delivery pipe required as per site of (470mm dia & 6.47mm thick) with 80 HP Electric Motor 960 RPM & MCU (of Siemens), copper cable 37/083 (4core) 120mm of 440 volt & bus bar required at site in respect with all accessories i/c civil works.	Each	10	700000/-	Seven lakh	7000000/-
Rs. 561783/-	38 Supplying of chain pully 5 tons 20 meters chain including Roller.	Each	1	15000/-	Fifteen thousand Rs.	15000/-
Rs. 192480/-	39 Providing & Fixing of Transformer (630KVA) i/c all accessories @ Miro Khan Pumping Station.	Each	1	3900000/-	Thirty nine lakh	3900000/-
Rs. 679965/-	40 Supplying of 4 core copper wire 37/083 (240 mm).	Meter	600	5600/-	Five thousand six hundred Rs.	3360000/-
		LUMP SUM			PRs	500,000
	PROVISIONAL SUM (Environmental Mitigation)	Provisional Sum			PRs	5,462,800
	Contingencies				GRAND TOTAL	512132047/-
					Rupees in Million	

RS: FIVE HUNDRED TWELVE MILLION ONE HUNDRED-THIRTY TWO THOUSAND FORTY SEVEN ONLY.

PRICE BID ORIGINAL.

SINDH IRRIGATION DEPARTMENT

## BIDDING DOCUMENT

### Procurement of Works

Bidding Document for Procurement of Civil Works for:

Package No. CD-1: Restoration / Rehabilitation of Shahdadkot & Mirokhan Drainage Systems & Allied Structure Works

Single-Stage: Two Envelope Bidding Procedure  
(Post Qualification)

Issued on : 21<sup>st</sup> May, 2012

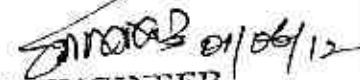
NCB No. : NCB-CD-1-FERP/Irrigation-Sindh

Employer : Sindh Irrigation Department through  
Executive Engineer, Larkana Drainage Division, Larkana

Country : Pakistan (Sindh)

MAY, 2012

Issued to M/s Madni Construction Co. + Camon JV.  
v. de UBL Ghaziabad Br. Sulistev. Register No. 3455490.  
dt. 01/06/2011.

  
CHIEF ENGINEER  
Irrigation Development  
Hyderabad.

## Letter of Price Bid

Date: 04/06/2012NCB No.: **NCB-CD-1-FERP/Irrigation-Sindh**Invitation for Bid No.: **CD-1-ADB/IRR/Sindh/FERP**To: **Executive Engineer, Larkana Drainage Division, Larkana**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:

**Package No. CD-1: Restoration / Rehabilitation of ShahdadKot and MiroKhan Drainage Systems and Allied Structures works.**

The total price of our Bid, excluding any discounts offered in item (d) below is PKR=495,793,491

- (c) The discounts offered and the methodology for their application are: \_\_\_\_\_
- (d) Our Bid shall be valid for a period of **90 (ninety)** days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (f) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: \*\*

Name of Recipient	Address	Reason	Amount
.....	.....	.....	.....
.....	.....	.....	.....

- (g) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.





## Bill of Quantities

### A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Project Manager and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Project Manager may fix in accordance with provisions of the Contract.
3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract includes all costs of Contractor's plant, labour, supervision, materials, transportation, Execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.

A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.

The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.

General directions and description of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the priced Bill of Quantities.

#### Carriage of Material for Earth work

Payment shall be made at the unit price quoted in the bill of quantities. The unit rate shall include loading of material, carriage to a specified site, unloading and staking. No additional payment shall be made to the contractor for charges like demurrage, warfage and the toll tax.

#### Stone Pitching

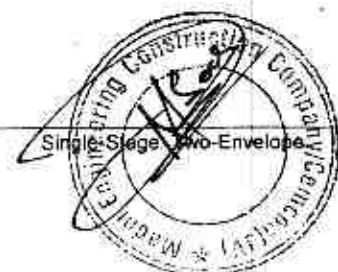
Payment shall be made at the unit price quoted in the bill of quantities. The rate entered by the Contractor under the appropriate item in the bill of quantities shall include for all work describe in Clause 2.1 to 2.5 of section 6(Specification) and no separate payment shall be made for interalia, preparing the formation, supplying form the source quarry to site and laying gravel backing and haul of material for gravel backing

#### Stone Filling Dry Hand Packed

Payment shall be made at the unit price quoted in the bill of quantities as per specification or shown as per drawings. Rate also includes for the supply of material from source quarry to the site, loading unloading and staking of material at site in addition to specified in item.

#### Concrete Works

Payment shall be made at the unit price quoted in the bill of quantities as per specification or shown as per drawings.



CD-1  
P-65



### BILL OF QUANTITIES

**"Package No. CD-1: Restoration / Rehabilitation of ShahdadKot and MiroKhan Drainage Systems and Allied Structures works**

S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
				(In Figures)	(In Words)	
A	<b>SHAHDAD KOT DRAINAGE SYSTEM</b>					
	Dismantling Cement concrete reinforced separating reinforcement from concrete cleaning & strengthening.	Cft.	27940	25/-	Twenty Five Rupees	698,500/-
	Dismantling cement concrete Plain 1:3:6	Cft.	13204	9/-	Nine Rupees	118,836/-
	Dismantling brick work in lime or Cement mortar	Cft.	75351	4/-	Four Rupees	301,404/-
	Borrow pit Excavation undressed lead up to 100 ft. (a) ordinary soil	Cft.	10184049	4.50/-	Four Rupees Fifty paise	45,828,221/-
	Extra for every 50 ft. additional lead or part there of (a) for earth work ( Soft Ordinary and hard ) Extra 10 Leads .	Cft.	1327924	2/-	Two Rupees	2,655,848/-
	Supply of clean screened (River or Pit) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner.	Cft.	1466248	0.20/-	Point Twenty Paise	293,250/-
	Dressing and leveling of Earth to designed section etc complete. b) in ordinary or hard soil	Cft.	3974057	1.80/-	one Rupee Eighty paise	7,153,303/-
	Carriage of 100 Cft./ 5 tones of all material like stone aggregate, spawl, coal, lime, surkhi etc B G. rail fastening points and crossing bridges, girders, pipes, 10" x 5" or 1000 mounds of fuel wood by trucks or any other means owned by the contractors i/c supply of material from source to site of work.	Cft.	7192761	7.50/-	Seven Rupees Fifty paise	5,394,570/-
	Excavation in foundation of buildings, bridges & other structure i/c dag belling, dressing refilling around the structures with excavated earth watering & remaining lead up to 5 ft. in ordinary soil .	Cft.	820958	2/-	Two Rupees	1,64,191/-
	Extra for wet earth work.	Cft.	262883	0.90/-	Ninety paise	236,595/-
	Full hire charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, plate forms required for placing Pumps etc. @ lower depths with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection & dismantling after completion of the job. Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench.	Days	1478	1000/-	one thousand Rupees	14,78,000/-

Stage: Two-Envelope

Procurement of Works-Small Contracts

Bidding Document for Irrigation Sector, FERP

CD-1  
P-66



ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
			(In Figures)	(In Words)	
Re-handling of earthwork. (b) Up to a lead of 50ft.	Cft:	3008268	0.80/2	Eighty paise	2406614=
Earth work excavation in irrigation channel, drains etc dressed to designed section grade and profile excavated material disposed off and dressed within 50 ft. lead (a) in ordinary soil.	Cft:	7384316	2/2	Two rupees	14768632=
Stone filling dry hand packed as filling behind retaining walls or in pitching and aprons i/c supply of material from source to site of work.	Cft:	32150	25/2	Twenty five rupees	803750=
Formation dressing & Preparing sub grade (b) on Slope.	Sft:	58360	1.50/2	One rupee & Fifty paise	87540=
Stone pitching including sub base with hammer dressed stone on surface laid in course i/c supply of material from source to site of work.	Cft:	111700	42/2	Forty two rupees	4691400=
Cement Plaster 1/2" thick ratio 1:3 i/c supply of material from source to site of work.	Sft:	38373	9/2	Nine rupees	345357=
Earth work compaction (Soft, ordinary or hard soil), laying earth in 6" layers leveling & dressing, watering etc complete.	Cft:	11796327	0.70/2	Seventy paise	8257429=
Preparing base course i/c supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" required thickness to proper camber and grade i/c supply and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling i/c watering and compaction the same so as to achieve 100% density as per modified AASHO specification. Rate i/c all cost of materials T&P ).	Cft:	3360	8/2	Eight rupees	26880=

ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
			(In Figures)	(In Words)	
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:4:8 i/c supply of material from source to site of work.	Cft:	64	70/	Seventy Rupees	4,480/-
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:3:6 i/c supply of material from source to site of work.	Cft:	54085	95/	Ninety Five Rupees	5,138,075/-
Pacca brick work other than buildings i/c striking of joints up to 20 ft. height in cement sand mortar 1:3 i/c supply of material from source to site of work.	Cft:	154654	80/	Eighty Rupees	12,372,320/-
Erection and removal of centering for RCC or plain cement concrete work of Deodar wood 2nd class vertical.	Sft:	9727	5/	Five Rupees	48,635/-
Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:2:4 i/c supply of material from source to site of work.	Cft:	3597	125/	One hundred twenty five Rupees	4,49,625/-
Reinforced cement concrete work i/c 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 moulds lifting, shuttering, curing, rendering & finishing the exposed surface (i/c screening & 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 completed in all respects. (i) Ratio (1:2:4) 90 lbs cement, 2 cft: sand, 4 cft: shingle 1/8" to 1/4" gauge.	Cft:	47469	180/	One hundred Eighty Rupees	8,544,420/-
Fabrication of mild steel reinforcement for cement concrete including cutting bending tying in position making joints and fastenings including cost of binding wire also includes removal of rust from bars i/c supply M.S from source to site of work.	Cwt:	2662	5000/	Five thousand Rupees	13,310,000/-
Cement Pointing struck joints on walls (b) Ratio 1:3 i/c supply of material from source to site of work.	Sft:	22378	6/	Six Rupees	1,34,268/-
Removal and handling of earthwork. (b) Up to a lead of 20 Ft:	Cft:	993746	0.80/	Eighty paise	79,4997/-

Stage: Two-Envelope

Procurement of Works-Small Contracts

Bidding Document for Irrigation Sector, FERP

CD-1  
P-70



ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calculated Amount
			(In Figures)	(In Words)	
Girder 1st Quality .	Cwt:	15	5000/-	Five thousand	750000
*Replacement of old KSB Turbine pumps with New KSB pump, PNW 500-470 Tubular casing of 25 cusecs discharge with head as per site, water lubricated & delivery pipe required as per site of (470mm dia & 6.47mm thick) with 80 HP Electric Motor 960 RPM & MCU (of Siemens), copper cable 37/083 (4core) 120mm of 440 volt & bus bar required at site in respect with all accessories i/c civil works.	Each	10	6,500,000/-	Sixty Five lac	65,000,000
Supplying of chain pully 5 tons 20 meters chain including Roller.	Each	1	15000/-	Fifteen thousand	15,000
Providing & Fixing of Transformer (630KVA) i/c all accessories @ Miro Khan Pumping Station.	Each	1	3,800,000/-	thirty eight lac	3,800,000
Supplying of 4 core copper wire 37/083 (240 mm).	Meter	600	5500/-	Five thousand five hundred	3,300,000
PROVISIONAL SUM (Environmental Mitigation)	LUMP SUM		PRs		500,000
Contingencies	Provisional Sum		PRs		5,462,800
<b>GRAND TOTAL</b>					<b>495,793,410</b>
Rupees in Million					-

= Four hundred ninety five million seven hundred  
 ninety three thousand four hundred ninety one  
 rupees on



## Section 5 - Eligible Countries

Following is the list of ADB Member Countries.

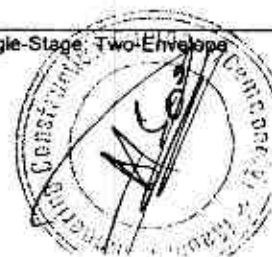
1.	AFG	Afghanistan	35.	FSM	Micronesia, Federal States of
2.	ARM	Armenia	36.	MON	Mongolia
3.	AUS	Australia	37.	MYA	Myanmar
4.	AUT	Austria	38.	NAU	Nauru, Republic of
5.	AZE	Azerbaijan	39.	NEP	Nepal
6.	BAN	Bangladesh	40.	NET	Netherlands
7.	BEL	Belgium	41.	NZL	New Zealand
8.	BHU	Bhutan	42.	NOR	Norway
9.	BRU	Brunei Darussalam	43.	PAK	Pakistan
10.	CAM	Cambodia	44.	PAL	Palau
11.	CAN	Canada	45.	PNG	Papua New Guinea
12.	PRC	China, People's Republic of	46.	PHI	Philippines
13.	COO	Cook Islands	47.	POR	Portugal
14.	DEN	Denmark	48.	SAM	Samoa
15.	FIJ	Fiji Islands, Republic of	49.	SIN	Singapore
16.	FIN	Finland	50.	SOL	Solomon Islands
17.	FRA	France	51.	SPA	Spain
18.	GEO	Georgia	52.	SRI	Sri Lanka
19.	GER	Germany	53.	SWE	Sweden
20.	HKG	Hong Kong, China	54.	SWI	Switzerland
21.	IND	India	55.	TAJ	Tajikistan
22.	INO	Indonesia	56.	TAP	Taipei, China
23.	IRE	Ireland	57.	THA	Thailand
24.	ITA	Italy	58.	TIM	Timor-Leste, Democratic Republic of
25.	JPN	Japan	59.	TON	Tonga
26.	KAZ	Kazakhstan	60.	TUR	Turkey
27.	KIR	Kiribati	61.	TKM	Turkmenistan
28.	KOR	Korea	62.	TUV	Tuvalu
29.	KGZ	Kyrgyz	63.	UKG	United Kingdom
30.	LAO	Lao People's Democratic Rep.	64.	USA	United States of America
31.	LUX	Luxembourg	65.	UZB	Uzbekistan
32.	MAL	Malaysia	66.	VAN	Vanuatu
33.	MLD	Maldives	67.	VIE	Viet Nam
34.	RMI	Marshall Islands			

CD-1  
P-73



S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calcula Amou
				(In Figures)	(In Words)	
22	Earth work excavation in irrigation channel, drains etc dressed to designed section grade and profile excavated material disposed off and dressed within 50 ft. lead (a) In ordinary soil.	Cft.	2114036	2 1/2	Two and a half	42280
23	Stone filling dry hand packed as filling behind retaining walls or in pitching and aprons i/c supply of material from source to site of work.	Cft.	29138	25 1/2	Twenty Five and a half	7284
24	formation dressing & Preparing sub grade (b) on Slope	Sft.	88306	1.50 1/2	One and a half	1324
25	Stone pitching including sub base with hammer dressed stone on surface laid in course i/c supply of material from source to site of work.	Cft.	133758	42 1/2	Forty two and a half	56171
26	Cement Plaster up to 20' height (b) 1:2 " thick ratio 1:3 i/c supply of material from source to site of work.	Sft.	21385	9 1/2	Nine and a half	1924
27	Earth work compaction (Soft, ordinary or hard soil), laying earth in 6" layers levelling & dressing complete i/c supply of material from source to site of work.	Cft.	9599950	0.70 1/2	Seventy Paise	67199
28	Providing RCC Pipes and collars of class B and fixing in trench, i/c cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) i/c testing with water to a head of 22.5 meter or 75' (24" dia).	Rft.	192	700 1/2	Seven hundred and a half	1344
29	Making & Fixing grating in opening i/c fixing @ site with flat iron 2" x 3/8" & 1/4" Sq: bars @ 4".	Sft.	840	200 1/2	two hundred and a half	168,00
30	First class deodar wood. Wrought joinery in doors and windows etc fixed in position i/c chowkats hold fasts hinges iron tower bolts chock cleats handles and cords with hooks etc. Deodar panalled or panalled glazes or fully glazed (b) 1 - 3/4" thick.	Sft.	220	440 1/2	Four hundred and forty and a half	960
31	Painting old surfaces (l) Painting doors and windows any type in 02 coats.	Sft.	1060	10 1/2	Ten and a half	1060
32	White washing (c) 03 coats.	Sft.	1894	3 1/2	Three and a half	568
33	Colour washing two coats.	Sft.	1894	2 1/2	two and a half	378
34	Primary coat of chalk distemper.	Sft.	2309	2 1/2	two and a half	462
35	Distemping (b) two coats.	Sft.	2309	6 1/2	Six and a half	1385

CD-1  
P-71





S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calcula- Amou
				(In Figures)	(In Words)	
<b>B</b>	<b>MIRO KHAN DRAINAGE SYSTEM</b>					
1	Dismantling Cement concrete reinforced separating reinforcement from concrete cleaning & strengthening.	Cft:	8026	25/2	Twenty Five Rupees	2006
2	Dismantling cement concrete Plain 1:3:6.	Cft:	2496	9/2	Nine Rupees	2241
3	Dismantling brick work in lime or Cement mortar.	Cft:	22630	4/2	Four Rupees	9052
4	Borrow pit Excavation undressed lead up to 100 ft. (a) ordinary soil.	Cft:	9524092	4.50/2	Four Rupees Fifty Paise	42850
5	Extra for every 50 ft. additional lead or part there of (a) for earth work ( Soft Ordinary and hard ). Extra 10 Leads.	Cft:	2253335	2/2	Two Rupees	45066
6	Supply of clean screened (River or Pit) sand within 5 chain including removal of top crust of earth or over burden and royalty to the Government or cost to the private owner.	Cft:	218550	0.20/2	Twenty Paise	437
7	Dressing and leveling of Earth work to designed section etc complete. b) in ordinary or hard soil.	Cft:	1570857	1.80/2	One Rupee & Eighty Paise	2827
8	Carriage of 100 Cft./ 5 tones of all material like stone aggregate, spwal, coal, lime, surkhi etc B G. rail fastening points and crossing bridges, girders, pipes, 10" x 5" or 1000 mounds of fuel wood by trucks or any other means owned by the contractors i/c supply of material from source to site of work.	Cft:	7146362	7.50/2	Seven Rupees & Fifty Paise	535
9	Excavation in foundation of buildings, bridges & other structure i/c dag bellings, dressing refilling around the structures with excavated earth watering & remaining lead up to 5 ft. in ordinary soil	Cft:	518959	2/2	Two Rupees	1037
10	Extra for wet earth work.	Cft:	176755	0.90/2	Ninty Paise	1591
11	Full hire charges of the Pumping set per day inclusive of wages of driver and Assistant fuel or electric energy, plat forms required for placing Pumps etc. @ lower depths with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection & dismantling after completion of the job. (iv) Hire charges of pumping set of up to 10 HP Pumping out water from 15' deep trench.	days	742	1000/2	One thousand Rupees.	742
12	For working the pump beyond 8 Hours the following payment Shall be made. The hire of the Pumping set it self being for 24 Hours (ii) for a pumping set of Upto 10 HP (but not less than 5 HP).	Hrs:	11872	100/2	One hundred Rupees	1187

CD-1  
P-69

S#	ITEMS	Unit	Qty	Quoted Rate (Rs/Unit)		Calcu Arno
				(In Figures)	(In Words)	
12	For working the pump beyond 8 Hours: The hire of the Pumping set itself being for 24 Hours (included in above item No 10) - For a pumping set of Up to 10 HP (but not less than 5 HP).	Hours	23648	100/	One hundred Rupees	2364
13	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:3:6 i/c supply of material from source to site of work.	Cft.	112942	95/	Ninty Five Rupees	1072
14	Pacca brick work other than buildings i/c striking of joints up to 20 ft. height in cement sand mortar 1:3 i/c supply of material from source to site of work.	Cft.	183059	80/	Eighty Rupees	1464
15	Erection and removal of centering for RCC or plain cement concrete work of Deodar wood 2nd class vertical.	Sft.	26742	5/	Five Rupees	1337
16	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate Without shuttering ratio 1:2:4 i/c supply of material from source to site of work.	Cft.	27288	125/	One hundred twenty five Rupees	3411
17	Reinforced cement concrete work i/c 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 moulds lifting, shuttering, curing, rendering & finishing the exposed surface (i/c screening & washing of shingle) (a) R.C. work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or pre cast laid in position completed in all respects. (i) Ratio (1:2:4) 90 lbs cement, 2 cft. sand, 4 cft. shingle 1/8" to 1/4" gauge i/c supply of material from source to site of work.	Cft.	177968	180/	One hundred Eighty Rupees	320
18	Fabrication of mild steel reinforcement for cement, concrete including cutting bending lying in position making joints and fastenings including cost of binding wire also includes removal of rust from bars i/c supply M.S from source to site of work.	Cwt.	8449	5000/	Five thousand Rupees	422
19	Cement Pointing struck joints on walls (b) Ratio 1:3 i/c supply of material from source to site of work.	Sft.	35143	6/	Six Rupees	211

CD-1  
P-67