


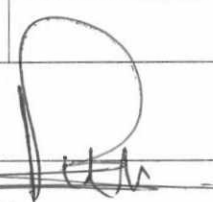
Bid Evaluation Report

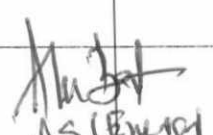
1. Name of Procuring Agency: Sindh Coal Authority, Energy Department, GoS
2. Tender Reference No: SCA/Phase-1/CP-VIII
3. Tender Description/Name of work/item: Reconstruction of 4 Number Bridges and 01 Culvert Including Approaches Between Badin and Wango Mor, Contract Package No, SCA/Phase-1/CP-VIII
4. Method of Procurement: Single Stage Single Envelope procedure
5. Tender Published: NIT was Published in Daily News Papers in English, Urdu, Sindhi with eligibility/Qualification Criteria.
6. Total Bid documents Sold; Six (06)
7. Total Bids Received: Four (04)
8. Bid Opening date: 29th April 2016.
9. No. of Bid qualified: Two (02)
10. Bid(s) Rejected: Two (02) (Incomplete, non responsive)
11. Financial Bid Opening date: N/A

12. Bid Evaluation Report:

| S No | Name of Firm or Bidder | Cost offered by the Bidder | Ranking in terms of cost | Comparison with Estimated cost | Reasons for acceptance/rejection | Remarks |
|------|--|----------------------------|--------------------------|--------------------------------|--|-----------------------------------|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | M/s Sachal Engineering & Works (Pvt) Ltd | Rs. 450,395,472 | 1st | 13.33% above | Lowest Evaluated Bid, Responsive & submitted lowest price bid) | Recommended for award of Contract |
| 2. | M/s Niaz Muhammad Khan & Brothers | Rs. 469,280,818 | 2nd | 18.08% above | High price | |


ZAMIR AHMED SATTIKH
Executive Engineer
Sindh Coal Authority.


SIE
SYED ALTAF HUSSAIN SHAH
Superintending Engineer
Sindh Coal Authority.



AS (Energy)
ABD BAKAR AHMED
Additional Secretary
Energy Department.


Bid Evaluation Report

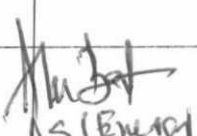
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AS (Energy)
ABD BAKAR AHMED
Additional Secretary
Energy Department.




NO.FD. (E&A)/10(144)/2015
GOVERNMENT OF SINDH
FINANCE DEPARTMENT
Karachi dated: 24th February, 2016

To: The Secretary (Implementation & Coordination),
Services, General Administration & Coordination Department,
Government of Sindh,
Karachi.

Subject: NOTIFICATION. RELATING TO PROCUREMENT COMMITTEE
UNDER ACT/ RULES.

I am directed to refer to SGA&CD's letter No.SO(C-IV)SGA&CD/4-25/15 dated 6th October, 2015 regarding nomination of representative of Finance Department as Member of the Procurement Committee and to state that matter of mandatory participation of representative of Finance Department in the Procurement Committees has been re-examined in the light of Sindh Public Procurement Rules 2010. The said Rules have not made the participation of Finance Department's representative mandatory and it would be in the fitness of things that representatives of Finance Department may not be included in the Procurement Committees either notified by the Procuring Agencies/Administrative Departments or SGA&C Department to avoid conflict of interest. The contention of SGA&CD regarding notifying the Procurement Committees by Administrative Department is right, however, it does not imply mandatory participation from Finance Department, Government of Sindh.

2. In view of above, it would be in the fitness of things if an advice is issued to all Administrative Departments that Representative of Finance Department, Government of Sindh may not be included in the Procurement Committees. The Procuring Agencies/Administrative Department may like to consider representation from concerned line Departments instead of Finance Department.


SECTION OFFICER (Admn)
For Secretary to Govt of Sindh

A copy is forwarded for information and necessary action to:

- i. Additional Chief Secretary (Dev) P&D Department, Govt of Sindh, Karachi.
- ii. Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- iii. All Special Finance Secretaries, Finance Department, Karachi.
- iv. All Additional Finance Secretaries, Finance Department, Karachi.
- v. All Deputy Secretaries, Finance Department, Karachi.
- vi. All Section Officers, Finance Department, Karachi.
- vii. RO to Finance Secretary, GOS, Karachi.
- viii. Office Order File.



No. FD(E&A) 10 (144)/2015
GOVERNMENT OF SINDH
FINANCE DEPARTMENT

Karachi, dated the 15th May, 2015

To,

The Administrative Secretaries (all),
Govt. of Sindh

SUBJECT: CONSTITUTION OF A PROCUREMENT COMMITTEE.

I am directed to refer the subject noted above and to state that it has been observed in accordance with the Rule-7 of SPPRA Rules, 2010 (Amended 2013) for constitution of Procurement Committee, specifies that "The procuring agency shall, with approval of its Head of the Department, constitute as many procuring committees, as it deems fit, each comprising odd numbers of persons and headed by a gazetted officer not below the rank of BS-18, or if not available, the officer of the highest grade, and shall ensure that at least one third of the members of a procurement committee are from the agencies or departments other than the procuring agency".

2. In view of above, it is requested not to nominate the member from Finance Department in any Procurement Committee. However, representative of this department will only participate to those meetings which are notified by the Services, General Administration & Coordination Department.

(NIZAMUDDIN SOLANGI)

Section Officer (Admn)

No. FD(E&A) 10 (144)/2014

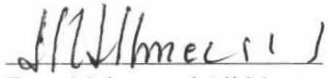
Karachi, dated the 15th May, 2015

A copy is forwarded for information & necessary action to: -

1. All Special Finance Secretaries, Finance Department.
2. All Additional Finance Secretaries, Finance Department.
3. All Deputy Secretaries, Finance Department.
4. All Section Officer, Finance Department.
5. R.O. to Secretary Finance.
6. Office order file.

Section Officer (Admn)

Signatures of the Members of the Committee.



Engr. Muhammad Ali Memon
Chief Engineer, SCA
Member, PC

AS per FD's Policies, Representative of FD
has not to attend meetings of Procurement
Committee (Copies Enclosed).

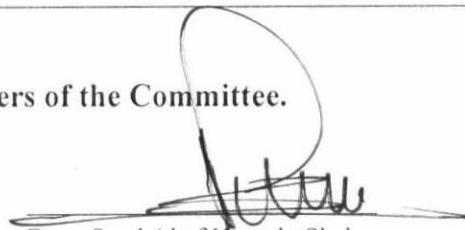
Deputy Secretary (Dev-I)
Finance Dept., GOS
Member



Engr. Zameer Ahmed Shaikh
XEN-I, SCA
Member



M. Siddiq Sulemani
The Engineer (Team Leader)
EA Consulting (Pvt.) Ltd.
Co-Member



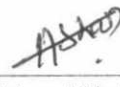
Engr. Syed Altaf Hussain Shah
Superintending Engineer, SCA
Member



Ghous Bux Abbasi
XEN, PBD-II, GOS
Member



Muhammad Yaqoob Kazi
DAO, SCA
Member



Ayaz Ahmed Shaikh
Contract/Procurement Engr.
EA Consulting (Pvt.) Ltd.
Co-Member



Abu Bakar Ahmed Madani
Chairman/Additional Secretary
Energy Department, GoS, Karachi



GOVERNMENT OF SINDH



**ENERGY DEPARTMENT
SINDH COAL AUTHORITY**

Bid Evaluation Report

May, 2016

**WIDENING AND IMPROVEMENT OF ROAD
FROM THATTA TO WANGO MOR VIA THATTA,
SUJAWAL, BADIN INCLUDING BYPASSES (176 KM)**

**Reconstruction of Four (04) number bridges and one Culvert
including approaches between Badin and Wango Mor,**

Contract Package No: SCA/Phase 1/CP-VIII

Gold is . . . COAL



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SINDH COAL AUTHORITY

Bid Evaluation Report

CONTRACT PACKAGE NO. SCA/PHASE-1/CP-VIII

1. GENERAL:

1.1 Introduction


This report covers the evaluation and recommendations in respect of the bids opened on April 29, 2016 for the following contract package:-

Reconstruction of Four (04) number bridges and one Culvert including approaches between Badin and Wango Mor, Contract Package No: SCA/Phase 1/CP-VIII

Bids for the above contract package was invited from the firms/constructors who are meeting the following qualification criteria, through advertisement published on 04-04-2016 in various newspapers:

| Sr # | Description | Requirement |
|-------|--|---|
| 1. | Eligibility: Valid Registration with Pakistan Engineering Council in relevant category and discipline | Category C-3 and above, Discipline CE-01, CE-02 and CE-10 |
| 2.i | Qualification: Similar assignments with cost (two similar projects), under-taken over in the past three (03) years; out of above two contracts, one should be in Sindh province | Rs.320 Million |
| | Annual Turnover Construction | Rs.800 Million |
| | Average Net Worth | Rs.80 Million |
| | Average Networking Capital | Rs.40Million |
| | (Submit Audit Reports with Financial Statement for last 3 years) | |
| 2.ii | Income Tax return for last three (03) years | Must meet |
| 2.iii | List of litigation (if any) their nature and status / outcomes; | Must meet |
| 2. iv | Affidavit that firm has never been black listed; | Must meet |

 *adil*
XEN.


SME

1.2 Scope of Work

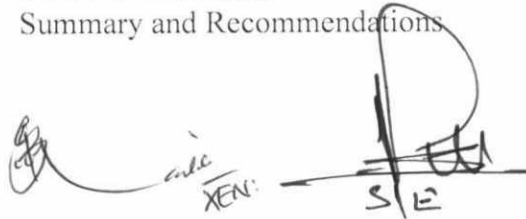
The above-mentioned contract package consists of Reconstruction of Four (04) number bridges and one Culvert including approaches between Badin and Wango Mor.

- RCC Box Culvert @ Km 28+007
- Bridge Structure @ Km 3+488 (2-30m spans and 1-21m span)
- Bridge Structure @ Km 4+312 (2-30m spans)
- Bridge Structure @ Km 32+709 (1-21m spans)
- Bridge Structure @ Km 45+550 (1-21m spans)

1.3 Methodology

Bid evaluation has been carried out in accordance with the SPPRA Rules and Instructions to Bidders contained in the bidding document. The report is divided in to '5' sections namely:-

- Section – 1 : General
- Section – 2 : Bidding Process
- Section – 3 : Preliminary Evaluation
- Section – 4 : Detailed Evaluation
- Section – 5 : Summary and Recommendations

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2. THE BIDDING PROCESS

2.1 Invitation of Bids

The Sindh Coal Authority (SCA) invited bids from firms/constructors through advertisement published in various newspapers. Total six (06) firms/constructors purchased the bidding documents.

2.2 Addenda

During the bidding period, no addenda were issued by SCA.

2.3 Submissions of Bids

The procedure for the Submission of Bids is provided in IB Clause 19 which states

Quote

"19.1 Each bidder shall submit his bid as under:

- (a) ORIGINAL and 1 COPIES of the bid shall be separately sealed and put in separate envelopes and marked as such.
- (b) The envelopes containing the ORIGINAL and COPIES shall be put in one sealed envelope and addressed as given in sub – clause IB 19.2 hereof.

19.2 The inner and outer envelopes shall:

- (a) be addressed to the procuring agency at the address provided in the bidding data;
- (b) bear the name and identification number of the contract as defined in the bidding data; and
- (c) provide a warning not to open before the time and date for bid opening, as specified in the bidding data.

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

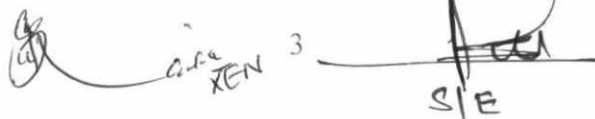
19.4 If the outer envelope is not sealed and marked as above, the procuring agency will assume no responsibility for the misplacement or premature opening of the Bid." Un-quote

2.4 Deadline for Submissions of Bids

IB Clause 20 and 21 states

Quote

"20.1 (a) Bids must be received by the procuring agency at the address specified not later than the time and date stipulated in the bidding data,

Handwritten signature and stamp. The signature is written in black ink and appears to be 'S/E'. Below the signature, there is a circular stamp with the text 'S/E' inside. To the left of the signature, there is a handwritten note 'a.s. XEN 3'.

- (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims shall be entertained for refund of such expenses,
- (c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package,
- (d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Procuring Agency may, at its discretion, extend the deadline for submission of bids by issuing an amendment in accordance with IB 09. In such case, all rights and obligations of the procuring agency and the bidders shall remain the same as mentioned in the original deadline.

IB.21 Late Bids

- (a) any bid received by the procuring agency after the deadline for submission of bids prescribed in to clause IB 20 shall be returned unopened to such bidder.
- (b) delays in the mail, person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time." Un-quote

The closing date and time for submission of bids was April 28, 2016 at 1100 hrs and only four bids out of six (06) were received by that time.

2.5 Opening of Bids

The procedure for the opening of bids is provided in IB Clause 23 which states

Quote

"23.1 Procuring agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the bidding data. The bidders or their representatives who are in attendance shall sign an attendance sheet.

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

23.3 Procuring agency shall read aloud the name of the bidder, total bid price and price of any Alternate Proposal(s), if any, discounts, bid modifications, substitution and withdrawals, the presence or absence of bid security, and such other details as the procuring agency may consider appropriate, and total amount of each bid, and of any alternative bids if they have been requested or permitted, shall be read aloud and recorded when opened.

[Handwritten signatures and initials]
 S/E

23.4 Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the sub-clause IB.23.3." Un-quote

The bids were opened by the Procurement Committee constituted by SGA & CD, GoS in accordance with SPPRA Rules, comprising:

- i. Additional Secretary, Energy Department, GoS
- ii. Chief Engineer, Sindh Coal Authority
- iii. Deputy Secretary (Dev-I), Finance Department
- iv. Superintending Engineer, Sindh Coal Authority
- v. Executive Engineer, Provincial Buildings Division-I
- vi. Executive Engineer-I, Sindh Coal Authority
- vii. Divisional Accounts Officer, Sindh Coal Authority
- viii. The Engineer, EA Consulting (Pvt.) Ltd
- ix. Contract/Procurement Engineer, EA Consulting (Pvt.) Ltd

Total four bids were received for this Contract Package.

In accordance with the Bidding procedure, an attendance register was signed by all the Bidder's representatives, and the members of the Bid Opening Committee. The whole record is kept in the office of SCA.

Total four (04) bids were received for this Contract Package and Bids of these four (04) bidders were opened and their bid price was read out strictly in accordance with the procedure laid down in Instruction to Bidders. The four (04) bidders are:

| Bidder Identification Name (a) | Read-Out Bid Price with Premium/Discount | | Modifications or Substitution (d) |
|--------------------------------------|---|---------------|---|
| | currency (b) | Amount (c) | |
| Sachal Engineering Works (Pvt.) Ltd | Pak. Rs. | 394,099,123 | NO |
| Niaz Muhammad Khan & Brothers | Pak. Rs. | 469,280,818 | NO |
| Zarghoon Enterprises (Pvt.) Ltd | Pak. Rs. | 490,542,605 | NO |
| Kamran & Kampany | Not quoted | | NO |

For Bid Evaluation, all the four (04) bids were handed over to the Consultant for evaluation and preparation of Bid Evaluation Report in accordance with the terms of services of the Consultants.

Since M/s Kamran & Kampany did not provide Bid Security, its bid was rejected and no further evaluation is carried out.



3. EXAMINATION & RESPONSIVENESS STUDY OF BIDS

3.1 Examination of Bids

The examination of the bids was carried out in accordance with IB Clause 26.1 which states

Quote

“Prior to the detailed evaluation of bids, the procuring agency will determine whether the bidder fulfils all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further to determine whether they were complete in order to assess their responsiveness.” Un-Quote

The codal requirements provided in the bidding document are:

Quote

“11.1 (a) submit a written authorization on the letterhead of the bidding firm, authorizing the signatory of the bid to act for and on behalf of the bidder. The bidder along with letter of authorization shall submit the (i) Registration Certificate with Sindh Revenue Board, Government of Sindh (ii) PEC Registration Certificate for 2015 in category C3 CE01 & CE-02 (iii) NTN Certificate (iv) Professional Tax payment;

(b) The bidder shall submit following documents to meet the qualification criteria stated in NIT:

(i) Audit Report including Financial Statement for last three years along with table showing the Average Annual Construction Turnover, Average Net worth and Average Networking Capital;

(ii) Income Tax returns of last three years;

(iii) Financial predictions for the current year and the following two years, including the effect of known commitments;

(iv) Completion and Maintenance Certificates of similar projects completed in last three years;

(v) Work commitments;

(vi) Current litigation information (if any) otherwise submit Affidavit; and

(vii) Affidavit that the firm is not black listed and

And

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

Appendix-E to Bid Proposed Construction Schedule

Appendix-F to Bid Method of Performing the Work

Appendix-G to Bid List of Major Equipment

Appendix-K to Bid Organization Chart for Supervisory Staff

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SIE

The bidder shall submit the detailed CVs of proposed staff as per the requirement laid down in Appendix K. It is mandatory for the successful bidder to mobilize the same staff proposed in Appendix K after approval from the Engineer.

The failure to submit documents mentioned in (a), (b) and (c) above shall lead to rejection of bid” Un-quoted

At this stage of evaluation following documents were examined for completeness:

- a) Bid received on time
- b) Modification / withdrawal letters received
- c) Bid Security of Correct Value and Validity Submitted
- d) Written Authorization provided
- e) Copy of JV Agreement Provided (if applicable)
- f) Eligibility Documents (PEC, History of Non Performing Contracts, Litigation) Provided
- g) Financial Documents Provided
- h) Experience Documents Provided
- i) Current Commitment Documents Provided
- j) Work Schedule Provided
- k) Method Statement Provided
- l) Organization Chart Provided

Based on the standard procedures, Checklists have been prepared, one for each bidder, of the documents submitted by them and checked/examined by evaluation committee. The results are given in below table:

TABLE 3.1 EXAMINATION OF BIDS & RESPONSIVENESS STUDY

| S.No. | Check | Sachal Engineering | Niaz Muhammad Khan | Zarghoon Enterprises |
|-------|--|-------------------------|-------------------------|----------------------|
| 1 | Bid received on time | Yes | Yes | Yes |
| 2 | Authorization | Provided | Provided | Not Provided |
| 3 | Registration Certificate with Sindh Revenue Board | Provided | Provided | Not Provided |
| 4 | PEC (C3, CE-01, CE-02, CE-10) | CA, CE-01, CE-02, CE-10 | CA, CE-01, CE-02, CE-10 | Not Provided |
| 5 | NTN Certificate | Provided | Provided | Not Provided |
| 6 | Professional Tax Certificate | Provided | Provided | Not Provided |
| 7 | Modification/withdrawal letter received | Nil | Nil | Nil |
| 8 | JV Agreement | N/A | N/A | N/A |
| 9 | Average Annual Turnover (Rs. 1200 mil) | 2,242.25 | 2,560.697 | Not Provided |
| 10 | Average Net worth (Rs. 80 million) | 1,691.66 | 3,344.712 | Not Provided |
| 11 | Average Net Working Capital (Rs. 40 million) | 668.11 | 2,897.096 | Not Provided |

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XEN.

[Signature]
S/E

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AS (Bury)

| | | | | |
|----|---|--|---------------------------|--------------|
| 12 | Similar Experience (Rs. 320 million) | Rs. 1,750 & 510 Million | Rs. 2,508 & 1,104 Million | Not Provided |
| 13 | Income Tax Return | Provided | Provided | Not Provided |
| 14 | Litigation History | No Litigation | No Litigation | Not Provided |
| 15 | Black Listing | Never | Never | Not Provided |
| 16 | Work Commitments | Provided | Provided | Not Provided |
| 17 | Access to financial resources | Provided | Provided | Not Provided |
| 18 | Work Schedule (Appendix –E) | Provided with details | Provided with details | Not Provided |
| 19 | Method of Performing Work, Safety etc (Appendix-F) | Provided with details | Provided with details | Not Provided |
| 20 | Equipment availability (Appendix –G) | Provided, however Appendix G is not filled | Provided | Not Provided |
| 21 | Site Facilities (Appendix-H) | Provided with details | Provided with details | Not Provided |
| 22 | Organization chart, CV etc (Appendix-K) | Provided with details | Provided with details | Not Provided |
| 23 | Integrity Pact | Provided | Provided | Not Provided |

The result of above examination is summarized herein below:

| S.# | Name of Bidders | Completeness of Bid |
|-----|-------------------------------------|--|
| 1. | Sachal Engineering Works (Pvt.) Ltd | Complete, Eligible, Responsive |
| 2. | Niaz Muhammad Khan & Brothers | Complete, Eligible, Responsive |
| 3. | Zarghoon Enterprises (Pvt.) Ltd | incomplete. Not eligible, Non-responsive |

3.2 Responsiveness Study

The responsiveness or otherwise of the Bids is determined on the basis of Clause IB-26.2 of Instructions to Bidders. Sub-clause 26.2 of IB provides:

Quote

“26.2 Once found to be fulfilling the eligibility criteria, as mentioned in sub-clause 26.1, the bids of eligible bidders will be evaluated for technical responsiveness as per specification and criteria given in the bidding documents.....” Un-quote

IB Clause 26.3 states the criteria of responsiveness

Quote

“A bid will be considered technically responsive if it (i) has been properly signed; (ii) is accompanied by the required bid security; and (iii) conforms to all the terms, conditions and specifications of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the works; (ii) which limits in any substantial way, inconsistent with the bidding documents, the procuring agency’s rights or the bidder’s

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 A signature with "8" above it and "XEN" below it.
 A signature with "SE" below it.
 A signature with "AS (B...)" below it.

obligations under the contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids" Un-quote

For the responsiveness study following were examined, reviewed and evaluated:

- a) Eligibility Documents (PEC, History of Non Performing Contracts, Litigation)
- b) Annual Construction Turn Over
- c) Net Worth and Net Working Capital
- d) Cash Flow & Current Commitment
- e) Work Schedule
- f) Method Statement
- g) Organization Chart

Based on the standard procedures, Check lists have been prepared, one for each of the bidders, of the documents submitted by them. The results of responsiveness study are summarized in Table 3.1 above, however, to declare the bids responsive or otherwise, the Instruction to Bidders Clause IB 26.4 was studied which states

Quote

"If a bid has major deviations to the commercial requirements and technical specifications will be considered technically non responsive. As a general rule, major deviations are those that if accepted, would not fulfil the purposes for which the bid is requested, or would prevent a fair comparison or affect the ranking of the bids that are compliant with the bidding documents.

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

- (i) has been not properly signed;
- (ii) is not accompanied by the bid security of required amount and manner;
- (iii) stipulating price adjustment when fixed price bids were called for;
- (iv) failing to respond to specifications;
- (v) failing to comply with Mile-stones/Critical dates provided in Bidding Documents;
- (vi) sub-contracting contrary to the Conditions of Contract specified in Bidding Documents;
- (vii) refusing to bear important responsibilities and liabilities allocated in the Bidding Documents, such as performance guarantees and insurance coverage;
- (viii) taking exception to critical provisions such as applicable law, taxes and duties and dispute resolution procedures;
- (ix) a material deviation or reservation is one :
 - (a) which affect in any substantial way the scope, quality or performance of the works;
 - (b) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

(B) Minor Deviations

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to

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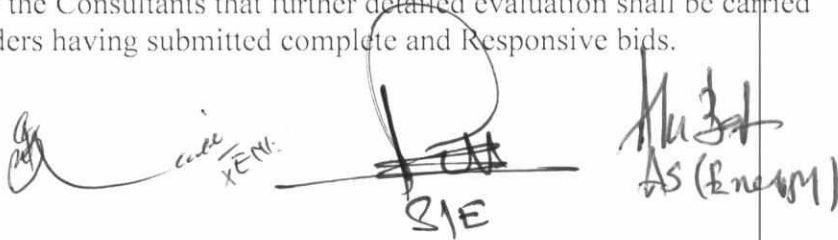
the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.” Un-quote

Based on above evaluation and in light of Clause IB 26.4, assessment of the responsiveness of each of the bids received is as follows:

| S.# | Name of Bidders | Status of Bid |
|-----|-------------------------------------|----------------|
| 1. | Sachal Engineering Works (Pvt.) Ltd | Responsive |
| 2. | Niaz Muhammad Khan & Brothers | Responsive |
| 3. | Zarghoon Enterprises (Pvt.) Ltd | Non-responsive |

3.3 Conclusion

It was concluded by the Consultants that further detailed evaluation shall be carried out of two (02) Bidders having submitted complete and Responsive bids.

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28.2 In evaluating the Bids, the procuring agency will determine for each bid the evaluated bid price by adjusting the bid price as follows:

- (a) making any correction for errors pursuant to clause IB 27;
- (b) excluding provisional sums (if any), for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
- (c) making an appropriate adjustment for any other acceptable variation or deviation." Un-Quote

The detailed evaluation of all bids is placed at Table 4.1 and 4.2 and the resulting corrected bid price of each bidder for this contract package thereby emerge out as follows;

1. M/s Sachal Engineering Works (Pvt.) Ltd

| | | |
|--|-----|------------------------|
| ▪ Quoted Price as per Form of Bid | ... | Rs. 394,099,123 |
| ▪ Correction | ... | Rs. (+) 56,296,349 |
| ▪ Corrected Price | ... | Rs. 450,395,472 |
| ▪ Discount | ... | Nil |
| ▪ Final Corrected/ Discounted Price | ... | Rs. 450,395,472 |

2. M/s Niaz Muhammad Khan & Brothers

| | | |
|--|-----|------------------------|
| ▪ Quoted Price as per Form of Bid | ... | Rs. 469,280,818 |
| ▪ Correction | ... | Rs. Nil |
| ▪ Corrected Price | ... | Rs. 469,280,818 |
| ▪ Discount | ... | Nil |
| ▪ Final Corrected/ Discounted Price | ... | Rs. 469,280,818 |

The evaluation of bids carried out on above parameters has caused no change to the ranking of lowest bidder.

4.4 Comparison of Bids

4.4.1 General Price Comparison

A general Price comparison is undertaken based on corrected prices exhibited in the preceding section. Bidder's price variations are calculated relative to the Engineer's Estimate.

The comparison is illustrated in Tables 4.1 for assessment of Price distribution and variation trends.

4.4.2 Item-wise Comparison of BOQ Prices

Table 4.2 list the variation of corrected prices of all the bidders (Responsive/Substantially Responsive) from the Engineer's Estimate.

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S/E
ASB
ASB

The Findings are as follows:

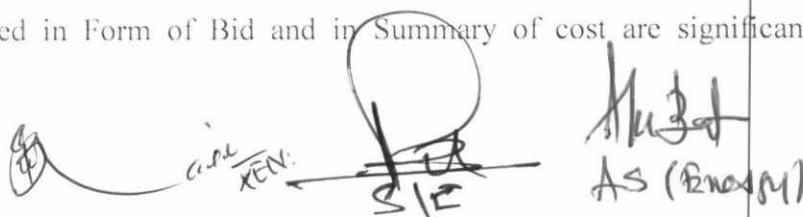
| Sr. # | Bidder's Name | Engineer's Estimate (Rs) | Corrected/Discounted Bid Price (Rs) | Variation From Engineer's Estimate (%age) |
|-------|---|--------------------------|-------------------------------------|---|
| 1. | M/s Sachal Engineering Works (Pvt.) Ltd | 397,426,100 | 450,395,472 | + 13.33 |
| 3. | M/s Niaz Mohammad Khan & Brothers (NKB) | | 469,280,818 | + 18.08 |

4.5 Comparison of Significant Pay Items

Comparison of significant works items included in the BOQ is given in Table 4.3. Table 4.3 shows the trend in pricing the rates of significant items.

The Comparison of rates of significant items such as Concrete (all types), reinforcement, asphalt concrete, prime and tack coat revealed that M/s Sachal Engineering Works (Pvt.) Ltd has quoted abnormally high rates.

Also, the figure filled in Form of Bid and in Summary of cost are significantly different.



 A handwritten signature is present, with the initials 'AS (Engr)' written below it. To the left, there are some scribbles and the text 'COPD' and 'XEN:' written vertically.

5. SUMMARY AND RECOMMENDATIONS:

5.1 **General**

Bids were received and opened on April 29, 2016. Four (04) Bidders submitted the bids. The bid evaluation has been carried out in accordance with SPPRA Rules and procedure provided in Instructions to Bidders. Following the examination and responsiveness study, two bids were found Complete and Responsive with some minor deficiencies and deviations.

5.2 **Summary of Detailed Evaluation**

The comparison of bid prices of all the bidders with Engineer's Estimate are presented in section 4.4 above. M/s Sachal Engineering Works (Pvt.) Ltd's bid is found lowest. The final price of M/s Sachal Engineering Works (Pvt.) Ltd is as under:

Contract Package I Rs. 450,395,472

5.3 **Recommendations By the Consultants**

On the basis of examination of the terms and conditions of the Bidding Documents, considering effect of labour & fuel escalation which is not reimbursable to the successful bidder as per the Conditions of Contract and the evaluation of bids carried out herein above, the Consultants are recommending subject to review of observations provided in Section 4.5 above:

“Recommends awarding Contract Package VIII to M/s Sachal Engineering Works (Pvt) Ltd at his corrected Bid Price stated in section 5.2 above on the terms and conditions stipulated in the Bidding Documents” subject to observation provided in section 4.5 above

5.4 **Submission By the Consultants**

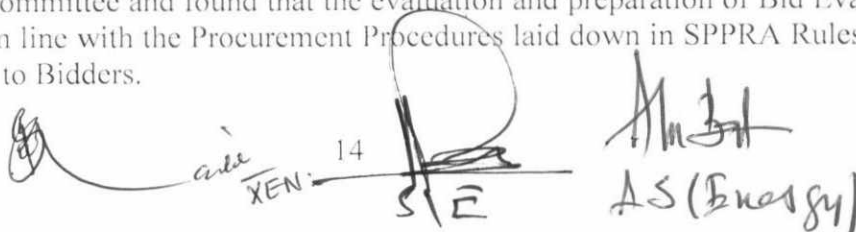
The Bid Evaluation Report is being submitted to Procurement Committee for review, consideration and approval please.



**Team Leader
EA Consulting (Pvt.) Limited**

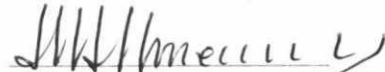
5.5 **Recommendation by the Procuring Committee**


The Bid Evaluation Report submitted by the Consultants was reviewed by the Procuring Committee and found that the evaluation and preparation of Bid Evaluation Report are in line with the Procurement Procedures laid down in SPPRA Rules and in Instructions to Bidders.



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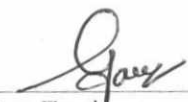
The Committee also found the recommendation of the Consultants satisfactory for award of the Contract to the lowest bidder M/s Sachal Engineering Works (Pvt.) Ltd at his final corrected/discounted price of Rs. 450,395,472.


²

Chief Engineer,
Sindh Coal Authority


~~X~~

Superintending Engineer,
Sindh Coal Authority


~~X~~
AS per FD's Policies, Representative of
FD has not to attend meetings of
Procurement Committee (Copies Enclosed).


Deputy Secretary (Dev-I)
Finance Department, GOS

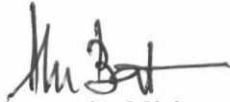
⁴

Executive Engineer
Provincial Buildings
Division-II, GOS.

³

Executive Engineer-I,
Sindh Coal Authority

⁵

Divisional Account,
Officer, Sindh Coal Authority

^X

The Engineer (Team Leader),
EA Consulting (Pvt.) Ltd.
Co-Member

^X

Contract / Procurement Engr.,
EA Consulting (Pvt.) Ltd.
Co-Member


Chairman/Additional Secretary
Energy Department, GoS, Karachi

TABLES

TABLE No. 4.2

**CALCULATION
OF
CORRECTED PRICES**

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUJAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

**COST COMPARISON
CORRECTED PRICE**

| BILL NO. | DESCRIPTION | Engineer's Estimate TOTAL (Rs.) | Sachal Engineering TOTAL (Rs.) | Niaz Muhammad Khan TOTAL (Rs.) | Zarghoon Enterprises TOTAL (Rs.) |
|----------|--|------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
| 1 | EARTHWORKS | 55,650,989 | 61,966,680.60 | 66,768,800.00 | |
| 2 | SUBBASE AND BASE COURSES | 86,328,150 | 92,836,506.40 | 125,594,090.00 | |
| 3 | SURFACE COURSES AND PAVEMENT | 33,760,473 | 51,558,145.50 | 37,653,900.00 | |
| 4A | BOX CULVERT @ Km 28+007 | 14,179,132 | 13,086,350.10 | 15,206,500.00 | |
| 4B | BRIDGE STRUCTURE @ Km 3 + 488 (2 - 30m Span + 1 - 21m Span) | 65,217,338 | 74,491,245.91 | 71,305,230.00 | |
| 4C | BRIDGE STRUCTURE @ Km 4 + 312 (2 - 30m Span) | 53,519,091 | 60,727,112.05 | 58,411,580.00 | |
| 4D | BRIDGE STRUCTURE @ Km 32 + 709 (1 - 21m Span) | 27,740,870 | 27,916,123.87 | 29,784,330.00 | |
| 4E | BRIDGE STRUCTURE @ Km 45 + 550 (1 - 21m Span) | 27,740,870 | 28,416,123.87 | 29,784,330.00 | |
| 5 | DRAINAGE & EROSION WORKS | 17,536,156 | 23,048,370.33 | 19,706,258.00 | |
| 6 | ENGINEER'S FACILITIES | 13,680,000 | 13,680,000.00 | 13,680,000.00 | |
| | SUB-TOTAL BILL 1 TO 6 | 395,353,069 | 447,726,659 | 467,895,018 | - |
| 7 | DAY WORKS | 2,073,031 | 2,668,813.00 | 1,385,800.00 | |
| | SUB-TOTAL BILL 1 TO 7 | 397,426,100 | 450,395,472 | 469,280,818.00 | - |
| | PREMIUM OR DISCOUNT IN % | | - | - | |
| | AMOUNT OF PREMIUM OR DISCOUNT | | - | - | |
| | TOTAL PROJECT COST | 397,426,100 | 450,395,472 | 469,280,818 | |
| | VARIATION FROM ENGINEER'S ESTIMATE | | 13.33% | 18.08% | |

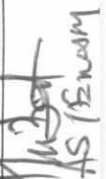

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TABLE No. 4.1

**GENERAL RATES & PRICE
COMPARISON**

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBANVAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|------------------------------------|---|------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 1: EARTHWORKS | | | | | | | | | | | |
| 101 | Clearing and grubbing | Sq.m | 4,350 | 12.84 | 55,854 | 32.28 | 140,418 | 13.00 | 56,550 | - | - |
| 102a | Removal of trees, 150-300 mm girth | Each | Rate Only | - | - | 526.56 | - | 10.00 | - | - | - |
| 104 | Compaction of Natural Ground | Sq.m | 4,350 | 13.90 | 60,465 | 34.79 | 151,337 | 15.00 | 65,250 | - | - |
| 106a | Excavation and Disposal of Unsuitable Common Material | Cu.m | 5,200 | 290.58 | 1,511,016 | 454.11 | 2,361,372 | 350.00 | 1,820,000 | - | - |
| 108c | Formation of Embankment from Borrow Excavation in common Material | Cu.m | 105,000 | 494.76 | 51,949,800 | 563.28 | 59,144,400 | 600.00 | 63,000,000 | - | - |
| 110 | Improved subgrade | Cum | 2,610 | 794.58 | 2,073,854 | 64.81 | 169,154 | 700.00 | 1,827,000 | - | - |
| | | | | | 55,650,989 | | 61,966,681 | | 66,768,800 | | |
| TOTAL BILL NO. 1: EARTHWORK | | | | | | | | | | | |

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WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBBAWAL, BADIN INCLUDING BYPASSES (176 Km)
 CONTRACT PACKAGE-VIII

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|--|---|------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|--------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 201 | Granular Sub-Base | Cu.m | 15,370 | 1,911.81 | 29,384,520 | 1,528.54 | 23,493,660 | 3,072.00 | 47,216,640 | - | - |
| 202 | Aggregate Base Course | Cu.m | 11,640 | 2,069.31 | 24,086,768 | 1,657.33 | 19,291,321 | 3,500.00 | 40,740,000 | - | - |
| 203b | Asphaltic Base Course Plant Mix (Class B) | Cu.m | 2,030 | 16,048.70 | 32,578,861 | 22,739.58 | 46,161,347 | 18,415.00 | 37,382,450 | - | - |
| 209b | Scarification of Existing Road Pavement | Sq.m | 5,100 | 54.51 | 278,001 | 762.78 | 3,890,178 | 50.00 | 255,000 | - | - |
| TOTAL BILL NO. 2: SUB-BASE & BASE COURSES | | | | | 86,328,150 | | 92,836,506 | | 125,594,090 | | |

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WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
 CONTRACT PACKAGE-VIII

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|------------------------------------|---|------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 302b | Bituminous Prime Coat | Sq.m | 25,340 | 53.45 | 1,354,423 | 152.10 | 3,854,214 | 60.00 | 1,520,400 | - | - |
| 303b | Bituminous Tack Coat | Sq.m | 27,450 | 38.36 | 1,052,982 | 60.91 | 1,671,980 | 40.00 | 1,098,000 | - | - |
| 304b | Double Surface Treatment in Shoulders | Sq.m | 20,850 | 349.09 | 7,278,527 | 567.98 | 11,842,383 | 350.00 | 7,297,500 | - | - |
| 305a | Asphaltic Concrete for Wearing Course (Class B) | Cu.m | 1,380 | 17,445.32 | 24,074,542 | 24,775.05 | 34,189,569 | 20,100.00 | 27,738,000 | - | - |
| TOTAL BILL NO. 3: SURFACING | | | | | 33,760,473 | | 51,558,146 | | 37,653,900 | | |

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 AS (Engineer)

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**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBJAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|--|------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 4A: BOX CULVERT @ Km 28+007 | | | | | | | | | | | |
| 510 | Dismantling of Structure and Obstructions | Cu.m | 200 | 980.02 | 196,004 | 2,057.34 | 411,468.00 | 800.00 | 160,000 | - | - |
| 107a | Structural Excavation in Common Material | Cu.m | 1248 | 272.45 | 340,018 | 454.48 | 567,191.04 | 300.00 | 374,400 | - | - |
| 107e | Common Backfill | Cu.m | 396 | 235.21 | 93,143 | 333.61 | 132,109.56 | 250.00 | 99,000 | - | - |
| 107d | Granular Backfill | Cu.m | 50 | 1,318.32 | 65,916 | 1,491.11 | 74,555.50 | 1,500.00 | 75,000 | - | - |
| 401a3(i) | Concrete Class A3 (Underground) | Cu.m | 278 | 12,140.00 | 3,374,920 | 15,125.00 | 4,204,750.00 | 13,000.00 | 3,614,000 | - | - |
| 401f | Lean Concrete | Cu.m | 45 | 6,924.56 | 311,605 | 7,527.00 | 338,715.00 | 6,500.00 | 292,500 | - | - |
| 404b | Reinforcement as per AASHTO M31 Grade 60 | Ton | 44 | 104,192.61 | 4,584,475 | 155,303.00 | 6,833,332.00 | 122,000.00 | 5,368,000 | - | - |
| 509e | Grouted Rip Rap Class B | Cu.m | 46 | 3,778.43 | 173,808 | 2,270.25 | 104,431.50 | 4,000.00 | 184,000 | - | - |
| 406a(i) | Preformed Joint Filler conforming to the requirement of AASHTO - M213 (ASTM D-1751) 20mm thick | Sq.m | 10 | 2,424.34 | 24,243 | 3,504.75 | 35,047.50 | 2,400.00 | 24,000 | - | - |
| 406d(i) | Polysulphide Joint Sealant BS-4254 (1983), or ASTM C290-79 | Kg | 6 | 2,500.00 | 15,000 | 1,625.00 | 9,750.00 | 2,600.00 | 15,600 | - | - |
| 705 | Construction and Maintenance of Diversion | LS | 1 | - | 5,000,000 | - | 375,000.00 | - | 5,000,000 | - | - |
| TOTAL BILL NO. 4A: BOX CULVERT @ Km 28+007 | | | | | 14,179,132 | | 13,086,350 | | 15,206,500 | | |
| Bill No. 4B: BRIDGE STRUCTURE @ Km 3 + 488 (2 - 30m Span + 1 - 21m Span) | | | | | | | | | | | |

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 AS Energy

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|-----------|--|-------|----------------------|---------------------|--------------|--------------------|--------------|--------------------|--------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 510 | Dismantling of Structure and Obstructions | Cu.m | 1200 | 980.02 | 1,176,024 | 2,057.34 | 2,468,808.00 | 800.00 | 960,000 | - | - |
| 107a | Structural Excavation in Common Material | Cu.m | 660 | 272.45 | 179,817 | 454.48 | 299,956.80 | 300.00 | 198,000 | - | - |
| 107d | Granular Backfill | Cu.m | 50 | 1,318.32 | 65,916 | 1,491.11 | 74,555.50 | 1,500.00 | 75,000 | - | - |
| 107e | Common Backfill | Cu.m | 230 | 235.21 | 54,098 | 333.61 | 76,730.30 | 250.00 | 57,500 | - | - |
| 401a1ii | Concrete Class A1 (On Ground) | Cu.m | 35 | 12,341.91 | 431,967 | 15,000.00 | 525,000.00 | 12,000.00 | 420,000 | - | - |
| 401a1iii | Concrete Class A1 (Elevated) | Cu.m | 55 | 12,830.81 | 705,695 | 16,500.00 | 907,500.00 | 12,300.00 | 676,500 | - | - |
| 401a3iii | Concrete Class A3 (Elevated) | Cu.m | 380 | 13,538.50 | 5,144,630 | 17,000.00 | 6,460,000 | 11,800.00 | 4,484,000 | - | - |
| 401f | Lean Concrete (Foundation and / or Girder Casting Bed) | Cu.m | 40 | 6,924.56 | 276,982 | 7,126.91 | 285,076.4 | 6,500.00 | 260,000 | - | - |
| 401h | Extra Over Class A1 with SR Cement | Cu.m | 5 | 200.00 | 1,000 | 9,407.43 | 47,037.15 | 250.00 | 1,250 | - | - |
| 404a | Reinforcement as per AASHTO M. 31 Grade 40 | Tons | 1.0 | 101,830.11 | 101,830 | 150,000.00 | 150,000 | 118,000.00 | 118,000 | - | - |
| 404b | Reinforcement as per AASHTO M. 31 Grade 60 | Tons | 135 | 104,192.61 | 14,066,002 | 155,000.00 | 20,925,000 | 120,000.00 | 16,200,000 | - | - |
| 404c | Galvanized Mild Steel | Tons | 0.30 | 120,000.00 | 36,000 | 310,000.00 | 93,000.00 | 140,000.00 | 42,000 | - | - |
| 405a | Pre-cast Pre-stressed Concrete Member, Complete in all respect as per drawing. | | | | | | | | | | |
| | i- 21 m Span | Each | 4 | 1,151,100.00 | 4,604,400 | 1,450,000.00 | 5,800,000 | 1,300,000.00 | 5,200,000 | - | - |
| | ii- 30 m Span | Each | 8 | 2,112,750.00 | 16,902,000 | 2,600,000.00 | 20,800,000 | 2,400,000.00 | 19,200,000 | - | - |
| 406a(i) | Premoulded Joint Filler with Polysulphide Joint Seal | Cu.m | 0.20 | 2,500.00 | 500 | 3,804.75 | 760.95 | 2,400.00 | 480 | - | - |
| 406c(i) | Elastomeric Bearing Pads (According to size and thickness) USA/EU Make | Cu cm | 144000 | 5.18 | 745,920 | 8.09 | 1,164,960.00 | 5.50 | 792,000 | - | - |
| 407d | Cast in place Concrete Pile (dia. 1000 mm) | M | 575 | 10,545.30 | 6,063,548 | 7,073.33 | 4,067,164.75 | 13,300.00 | 7,647,500 | - | - |

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AS (ENR/M)

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|---|-------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 407n | Pile Load Test to 2.5 times the design load | Each | 1 | 752,636.51 | 752,637 | 1,875,000.00 | 1,875,000.00 | 800,000.00 | 800,000 | - | - |
| 509e | Grouted Rip Rap Class B | Cu.cm | 300 | 3,778.43 | 1,133,529 | 5,516.36 | 1,654,908.00 | 4,000.00 | 1,200,000 | - | - |
| 509e | Rip Rap Class C | Cu.cm | 300 | 1,748.88 | 524,664 | 2,270.25 | 681,075.00 | 2,000.00 | 600,000 | - | - |
| SP-10 | Pile Integrity Testing | Each | 16 | 7,200.00 | 115,200 | 9,375.00 | 150,000.00 | 7,500.00 | 120,000 | - | - |
| SP-13 | PVC sleeve pipes with CAP of dia and wall thickness as shown on drawings. | M | 50 | 900.00 | 45,000 | 562.50 | 28,125.00 | 900.00 | 45,000 | - | - |
| SP-14 | Permanent Steel Casing including all fixtures (wall thickness as per drawing) | Tons | 8 | 126,584.87 | 1,012,679 | 200,000.00 | 1,600,000.00 | 120,000.00 | 960,000 | - | - |
| SP-15 | Bridge Expansion Joint (NEI OR Equivalent) | M | 42 | 63,000.00 | 2,646,000 | 335.43 | 14,088.06 | 65,000.00 | 2,730,000 | - | - |
| SP-16 | Exploratory / Confirmatory boring and Testing in Dry / Wet Area including Geotechnical Report (4 copies to be submitted) <small>PROVIDING AND FIXING DRAINAGE TRAP IN BRIDGE DECK</small> | Job | 2 | 207,400.00 | 414,800 | 156,250.00 | 312,500.00 | 250,000.00 | 500,000 | - | - |
| SP-17 | with steel Grating (G.I. Pipe of dia as shown on drawings) | M | 20 | 825.00 | 16,500 | 1,500.00 | 30,000.00 | 900.00 | 18,000 | - | - |
| 705 | Construction and Maintenance of Diversion | LS | | | 8,000,000 | | 4,000,000 | | 8,000,000 | | |
| TOTAL BILL NO. 4B: BRIDGE STRUCTURE @ Km 3 + 488 | | | | | 65,217,338 | | 74,491,246 | | 71,305,230 | | |




 Sachal Engineering
 AS (Engineering)

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|--|---|-------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 4C: BRIDGE STRUCTURE @ Km 4 + 312 (2 - 30m Span) | | | | | | | | | | | |
| 510 | Dismantling of Structure and Obstructions | Cu.m | 1000 | 980.02 | 980,020 | 2,057.34 | 2,057,340 | 800.00 | 800,000 | - | - |
| 107a | Structural Excavation in Common Material | Cu.m | 660 | 272.45 | 179,817 | 454.48 | 299,956.80 | 300.00 | 198,000 | - | - |
| 107d | Granular Backfill | Cu.m | 48 | 1,318.32 | 63,279 | 1,491.11 | 71,573.28 | 1,500.00 | 72,000 | - | - |
| 107e | Common Backfill | Cu.m | 231 | 235.21 | 54,334 | 333.61 | 77,063.91 | 250.00 | 57,750 | - | - |
| 401a1ii | Concrete Class A1 (On Ground) | Cu.m | 35 | 12,341.91 | 431,967 | 15,000.00 | 525,000 | 12,000.00 | 420,000 | - | - |
| 401a1iii | Concrete Class A1 (Elevated) | Cu.m | 40 | 12,830.81 | 513,232 | 16,500.00 | 660,000 | 12,300.00 | 492,000 | - | - |
| 401a3iii | Concrete Class A3 (Elevated) | Cu.m | 284 | 13,538.50 | 3,844,934 | 17,000.00 | 4,828,000 | 11,800.00 | 3,351,200 | - | - |
| 401f | Lean Concrete (Foundation and / or Girder Casting Bed) | Cu.m | 32 | 6,924.56 | 221,586 | 7,126.91 | 228,061.12 | 6,500.00 | 208,000 | - | - |
| 401h | Extra Over Class A1 with SR Cement | Cu.m | 3 | 200.00 | 600 | 9,407.43 | 28,222.29 | 250.00 | 750 | - | - |
| 404a | Reinforcement as per AASHTO M. 31 Grade 40 | Tons | 1.0 | 101,830.11 | 101,830 | 150,000.00 | 150,000 | 118,000.00 | 118,000 | - | - |
| 404b | Reinforcement as per AASHTO M. 31 Grade 60 | Tons | 112 | 104,192.61 | 11,669,572 | 155,000.00 | 17,360,000 | 120,000.00 | 13,440,000 | - | - |
| 404c | Galvanized Mild Steel | Tons | 0.3 | 120,000.00 | 36,000 | 310,000.00 | 93,000.00 | 140,000.00 | 42,000 | - | - |
| 405a | Pre-cast Pre-stressed Concrete Member, Complete in all respect as per drawing. | | | | | | | | | | |
| | ii- 30 m Span | Each | 8 | 2,112,750.00 | 16,902,000 | 2,600,000.00 | 20,800,000 | 2,400,000.00 | 19,200,000 | - | - |
| 406a(i) | Premoulded Joint Filler with Polysulphide Joint Seal | Cu.m | 0.20 | 2,500.00 | 500 | 3,804.75 | 760.95 | 2,400.00 | 480 | - | - |
| 406c | Elastomeric Bearing Pads (According to size and thickness) USA/EU Make | Cu.cm | 96000 | 5.18 | 497,280 | 8.09 | 776,640.00 | 5.50 | 528,000 | - | - |
| 407d | Cast in place Concrete Pile (dia. 1000 mm) | M | 418 | 10,545.30 | 4,407,935 | 7,073.33 | 2,956,651.94 | 13,300.00 | 5,559,400 | - | - |
| 407n | Pile Load Test to 2.5 times the design load | Each | 1 | 752,636.51 | 752,637 | 1,500,000.00 | 1,500,000 | 800,000.00 | 800,000 | - | - |
| 509c | Grouted Rip Rap Class B | Cu.cm | 300 | 3,778.43 | 1,133,529 | 5,516.36 | 1,654,908.00 | 4,000.00 | 1,200,000 | - | - |
| 509e | Rip Rap Class C | Cu.cm | 300 | 1,748.88 | 524,664 | 2,270.25 | 681,075.00 | 2,000.00 | 600,000 | - | - |
| SP-10 | Pile Integrity Testing | Each | 12 | 7,200.00 | 86,400 | 9,375.00 | 112,500.00 | 7,500.00 | 90,000 | - | - |
| SP-13 | PVC sleeve pipes with CAP of dia and wall thickness as shown on drawings. | M | 50 | 900.00 | 45,000 | 562.50 | 28,125.00 | 900.00 | 45,000 | - | - |
| SP-14 | Permanent Steel Casing including all fixtures (wall thickness as per drawing) | Tons | 5 | 126,584.87 | 632,924 | 200,000.00 | 1,000,000 | 120,000.00 | 600,000 | - | - |
| SP-15 | Bridge Expansion Joint (NFJ OR Equivalent) | M | 32 | 63,000.00 | 2,016,000 | 335.43 | 10,733.76 | 65,000.00 | 2,080,000 | - | - |
| SP-16 | Exploratory / Confirmatory boring and Testing in Dry / Wet Area including Geotechnical Report (4 copies to be submitted) | Job | 2 | 207,400.00 | 414,800 | 156,250.00 | 312,500.00 | 250,000.00 | 500,000 | - | - |
| SP-17 | Providing and Fixing drainage Pipe in Bridge Deck with steel Grating (G.I. Pipe of dia as shown on | M | 10 | 825.00 | 8,250 | 1,500.00 | 15,000.00 | 900.00 | 9,000 | - | - |
| 705 | Construction and Maintenance of Diversion | L.S | 1 | 8,000.00 | 8,000.00 | 4,500.00 | 4,500.00 | 8,000.00 | 8,000.00 | - | - |
| TOTAL BILL NO. 4C: BRIDGE STRUCTURE @ Km 4 + 312 | | | | | 53,519,091 | | 60,727,112 | | 58,411,580 | | |





 53,519,091

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBA, WAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|---|-------|----------------------|---------------------|--------------|--------------------|--------------|--------------------|--------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 4D: BRIDGE STRUCTURE @ Km 32 + 709 (1 - 21m Span) | | | | | | | | | | | |
| 510 | Dismantling of Structure and Obstructions | Cu.m | 445 | 980.02 | 436,109 | 2,057.34 | 915,516.30 | 800.00 | 356,000 | - | - |
| 107a | Structural Excavation in Common Material | Cu.m | 330 | 272.45 | 89,909 | 454.48 | 149,978.40 | 300.00 | 99,000 | - | - |
| 107d | Granular Backfill | Cu.m | 30 | 1,318.32 | 39,550 | 1,491.11 | 44,733.30 | 1,500.00 | 45,000 | - | - |
| 107e | Common Backfill | Cu.m | 230 | 235.21 | 54,098 | 333.61 | 76,730.30 | 250.00 | 57,500 | - | - |
| 401a1i | Concrete Class A1 (On Ground) | Cu.m | 35 | 12,341.91 | 431,967 | 15,000.00 | 525,000.00 | 12,000.00 | 420,000 | - | - |
| 401a1iii | Concrete Class A1 (Elevated) | Cu.m | 15 | 12,830.81 | 192,462 | 16,500.00 | 247,500.00 | 12,300.00 | 184,500 | - | - |
| 401a3iii | Concrete Class A3 (Elevated) | Cu.m | 125 | 13,538.50 | 1,692,313 | 17,000.00 | 2,125,000 | 11,800.00 | 1,475,000 | - | - |
| 401f | Lean Concrete (Foundation and / or Girder Casing Bed | Cu.m | 15 | 6,924.56 | 103,868 | 7,126.91 | 106,903.65 | 6,500.00 | 97,500 | - | - |
| 401h | Extra Over Class A1 with SR Cement | Cu.m | 3 | 200.00 | 600 | 9,407.43 | 28,222.29 | 250.00 | 750 | - | - |
| 404a | Reinforcement as per AASHTO M. 31 Grade 40 | Tons | 0.2 | 101,830.11 | 20,366 | 150,000.00 | 30,000.00 | 118,000.00 | 23,600 | - | - |
| 404b | Reinforcement as per AASHTO M. 31 Grade 60 | Tons | 43 | 104,192.61 | 4,480,282 | 155,000.00 | 6,665,000 | 120,000.00 | 5,160,000 | - | - |
| 404c | Galvanized Mild Steel | Tons | 0.3 | 120,000.00 | 36,000 | 310,000.00 | 93,000.00 | 140,000.00 | 42,000 | - | - |
| 405a | Precast Pre-stressed Concrete Member, Complete in all respect as per drawing. | | | | | | | | | | |
| | i- 21 m Span | Each | 4 | 1,151,100.00 | 4,604,400 | 1,450,000 | 5,800,000 | 1,300,000.00 | 5,200,000 | - | - |
| 406a(i) | Premoulded Joint Filler with Polysulphide Joint Seal | Cu.m | 0.20 | 2,500.00 | 500 | 3,804.75 | 760.95 | 2,400.00 | 480 | - | - |
| 406e | Elastomeric Bearing Pads (According to size and thickness) USA/EU Make | Cu.cm | 48000 | 5.18 | 248,640 | 8.09 | 388,320.00 | 5.50 | 264,000 | - | - |
| 407d | Cast in place Concrete Pile (dia. 1000 mm) | M | 300 | 10,545.30 | 3,163,590 | 7,073.33 | 2,121,999.00 | 13,300.00 | 3,990,000 | - | - |



 S/E
 AS (Engrg)

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBJAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|--|---|-------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 407n | Pile Load Test to 2.5 times the design load | Each | 1 | 752,636.51 | 752,637 | 1,875,000.00 | 1,875,000 | 800,000.00 | 800,000 | - | - |
| 509e | Grouted Rip Rap Class B | Cu.cm | 165 | 3,778.43 | 623,441 | 5,516.36 | 910,199.40 | 4,000.00 | 660,000 | - | - |
| 509e | Rip Rap Class C | Cu.cm | 165 | 1,748.88 | 288,565 | 2,270.25 | 374,591.25 | 2,000.00 | 330,000 | - | - |
| SP-10 | Pile Integrity Testing | Each | 8 | 7,200.00 | 57,600 | 9,375.00 | 75,000.00 | 7,500.00 | 60,000 | - | - |
| SP-13 | PVC sleeve pipes with CAP of dia and wall thickness as shown on drawings | M | 50 | 900.00 | 45,000 | 562.50 | 28,125.00 | 900.00 | 45,000 | - | - |
| SP-14 | Permanent Steel Casing including all fixtures (wall thickness as per drawing) | Tons | 5 | 126,584.87 | 632,924 | 200,000.00 | 1,000,000 | 120,000.00 | 600,000 | - | - |
| SP-15 | Bridge Expansion Joint (NEJOR Equivalent) | M | 21 | 63,000.00 | 1,323,000 | 335.43 | 7,044.03 | 65,000.00 | 1,365,000 | - | - |
| SP-16 | Exploratory / Confirmatory boring and Testing in Dry / Wet Area including Geotechnical Report (4 copies to be submitted) | Job | 2 | 207,400.00 | 414,800 | 156,250.00 | 312,500 | 250,000.00 | 500,000 | - | - |
| SP-17 | Providing and Fixing drainage Pipe in Bridge Deck with steel Grating (G.I. Pipe of dia as shown on | M | 10 | 825.00 | 8,250 | 1,500.00 | 15,000.00 | 900.00 | 9,000 | - | - |
| 705 | Construction and Maintenance of Diversion | LS | 1 | | 8,000,000 | | 4,000,000 | | 8,000,000 | | |
| TOTAL BILL NO. 4D: BRIDGE STRUCTURE @ Km 32 + 709 | | | | | 27,740,870 | | 27,916,124 | | 29,784,330 | | |



 Niaz Muhammad Khan
 AS (Engineering)



 Sachal Engineering

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUB-DIVISION, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|---|------|----------------------|---------------------|--------------|--------------------|--------------|--------------------|--------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 4E: BRIDGE STRUCTURE @ Km 45 + 550 (1 - 21m Span) | | | | | | | | | | | |
| 510 | Dismantling of Structure and Obstructions | Cum | 445 | 980.02 | 436,109 | 2,057.34 | 915,516.30 | 800.00 | 356,000 | - | - |
| 107a | Structural Excavation in Common Material | Cum | 330 | 272.45 | 89,909 | 454.48 | 149,978.40 | 300.00 | 99,000 | - | - |
| 107d | Granular Backfill | Cum | 30 | 1,318.32 | 39,550 | 1,491.11 | 44,733.30 | 1,500.00 | 45,000 | - | - |
| 107e | Common Backfill | Cum | 230 | 235.21 | 54,098 | 333.61 | 76,730.30 | 250.00 | 57,500 | - | - |
| 401a1ii | Concrete Class A1 (On Ground) | Cum | 35 | 12,341.91 | 431,967 | 15,000.00 | 525,000.00 | 12,000.00 | 420,000 | - | - |
| 401a1iii | Concrete Class A1 (Elevated) | Cum | 15 | 12,830.81 | 192,462 | 16,500.00 | 247,500.00 | 12,300.00 | 184,500 | - | - |
| 401a3iii | Concrete Class A3 (Elevated) | Cum | 125 | 13,538.50 | 1,692,313 | 17,000.00 | 2,125,000.00 | 11,800.00 | 1,475,000 | - | - |
| 401f | Lean Concrete (Foundation and / or Girder Casting Bed | Cum | 15 | 6,924.56 | 103,868 | 7,126.91 | 106,903.65 | 6,500.00 | 97,500 | - | - |
| 401h | Extra Over Class A1 with SR Cement | Cum | 3 | 200.00 | 600 | 9,407.43 | 28,222.29 | 250.00 | 750 | - | - |
| 404a | Reinforcement as per AASHTO M. 31 Grade 40 | Tons | 0.2 | 101,830.11 | 20,366 | 150,000.00 | 30,000.00 | 118,000.00 | 23,600 | - | - |
| 404b | Reinforcement as per AASHTO M. 31 Grade 60 | Tons | 43 | 104,192.61 | 4,480,282 | 155,000.00 | 6,665,000 | 120,000.00 | 5,160,000 | - | - |
| 404c | Galvanized Mild Steel | Tons | 0.3 | 120,000.00 | 36,000 | 310,000.00 | 93,000.00 | 140,000.00 | 42,000 | - | - |
| 405a | Precast Pre-stressed Concrete Member, Complete in all respect as per drawing. | | | | | | | | | | |
| | 1- 21 m Span | Each | 4 | 1,151,100.00 | 4,604,400 | 1,450,000.00 | 5,800,000 | 1,300,000.00 | 5,200,000 | - | - |
| 406a(i) | Premoulded Joint Filler with Polysulphide Joint Seal | Cum | 0.20 | 2,500.00 | 500 | 3,804.75 | 760.95 | 2,400.00 | 480 | - | - |
| 406e | Elastomeric Bearing Pads | Cum | 48000 | 3.18 | 248,640 | 8.09 | 388,320.00 | 5.50 | 264,000 | - | - |
| 407d | Cast in place Concrete Pile (dia. 1000 mm) | M | 300 | 6,345.30 | 3,163,590 | 7,073.33 | 2,121,999.00 | 13,300.00 | 3,990,000 | - | - |



 S/E
 AS (Energy)

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|--|---|-------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| 407h | Pile Load Test to 2.5 times the design load | Each | 1 | 752,636.51 | 752,637 | 1,875,000.00 | 1,875,000.00 | 800,000.00 | 800,000 | - | - |
| 509e | Grouted Rip Rap Class B | Cu cm | 165 | 3,778.43 | 623,441 | 5,516.36 | 910,199.40 | 4,000.00 | 660,000 | - | - |
| 509c | Rip Rap Class C | Cu cm | 165 | 1,748.88 | 288,565 | 2,270.25 | 374,591.25 | 2,000.00 | 330,000 | - | - |
| SP-10 | Pile Integrity Testing | Each | 8 | 7,200.00 | 57,600 | 9,375.00 | 75,000.00 | 7,500.00 | 60,000 | - | - |
| SP-13 | PVC sleeve pipes with CAP of dia and wall thickness as shown on drawings. | M | 50 | 900.00 | 45,000 | 562.50 | 28,125.00 | 900.00 | 45,000 | - | - |
| SP-14 | Permanent Steel Casing including all fixtures (wall thickness as per drawing) | Tons | 5 | 126,584.87 | 632,924 | 200,000.00 | 1,000,000.00 | 120,000.00 | 600,000 | - | - |
| SP-15 | Bridge Expansion Joint (NFJ OR Equivalent) | M | 21 | 63,000.00 | 1,323,000 | 335.43 | 7,044.03 | 65,000.00 | 1,365,000 | - | - |
| SP-16 | Exploratory / Confirmatory boring and Testing in Dry / Wet Area including Geotechnical Report (4 copies to be submitted) | Job | 2 | 207,400.00 | 414,800 | 156,250.00 | 312,500.00 | 250,000.00 | 500,000 | - | - |
| SP-17 | Providing and Fixing drainage Pipe in Bridge Deck with steel Grating (G.I. Pipe of dia as shown on | M | 10 | 825.00 | 8,250 | 1,500.00 | 15,000.00 | 900.00 | 9,000 | - | - |
| 705 | Construction and Maintenance of Diversion | I.S | 1 | - | 8,000,000 | - | 4,500,000 | - | 8,000,000 | - | - |
| TOTAL BILL NO. 4E: BRIDGE STRUCTURE @ Km 45+550 | | | | | 27,740,870 | | 28,416,124 | | 29,784,330 | | |



 Sachal Engineering



 Niaz Muhammad Khan



 Zarghoon Enterprises

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUBAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|---|------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| Bill No. 5: DRAINAGE & EROSION WORKS | | | | | | | | | | | |
| 107a | Structural Excavation in Common Material | Cu.m | 2,220 | 272.45 | 604,839 | 454.48 | 1,008,945.60 | 300.00 | 666,000 | - | - |
| 107e | Common Backfill | Cu.m | 200 | 235.21 | 47,042 | 333.61 | 66,722.00 | 250.00 | 50,000 | - | - |
| 401a3i | Concrete Class A3 (Underground) | Cu.m | 200 | 12,140.00 | 2,428,000 | 13,128.29 | 2,625,658.00 | 13,000.00 | 2,600,000 | - | - |
| 401a1iii | Concrete Class A1 (Elevated) | Cu.m | 200 | 12,830.81 | 2,566,162 | 13,916.33 | 2,783,266.00 | 11,800.00 | 2,360,000 | - | - |
| 401f | Lean Concrete | Cu.m | 52 | 6,924.56 | 360,077 | 7,126.91 | 370,599.32 | 6,500.00 | 338,000 | - | - |
| 404a | Reinforcement as per AASHTO M31: Grade 40 | Ton | 2 | 101,830.11 | 203,660 | 150,100.00 | 300,200.00 | 118,000.00 | 236,000 | - | - |
| 404b | Reinforcement as per AASHTO M31: Grade 60 | Ton | 50 | 104,192.61 | 5,209,631 | 155,226.00 | 7,761,300.00 | 120,000.00 | 6,000,000 | - | - |
| 406a | Premoulded Joint Filler 12mm Thick with Bitumastic Joint Seal | Cu.m | 400 | 2,272.82 | 909,128 | 3,804.75 | 1,521,900.00 | 3,000.00 | 1,200,000 | - | - |
| 509b | Rip Rap Class "B" | Cu.m | 2,381 | 1,705.90 | 4,061,748 | 2,207.95 | 5,257,128.95 | 2,050.00 | 4,881,050 | - | - |
| 509h | Filter Layer of Granular Material | Cu.m | 794 | 1,443.6 | 1,145,869 | 1,703.59 | 1,352,650.46 | 1,732.00 | 1,375,208 | - | - |
| TOTAL BILL NO. 5: DRAINAGE & EROSION WORKS | | | | | 17,536,156 | | 23,048,370 | | 19,706,258 | | |



 S/E



 AS (B/W/M)

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUB WAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

COST COMPARISON

| Spec. No. | Item Description | Unit | Estimated Quantities | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | | Zarghoon Enterprises | |
|---|---|-----------|----------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|----------------------|--------------|
| | | | | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) | Rate (Rs.) | Amount (Rs.) |
| ENGINEER'S FACILITIES | | | | | | | | | | | |
| SP-3 | (a) Provide Engineer's Office (Rental) | Per Month | 15 | 60,000 | 900,000 | 60,000.00 | 900,000 | 60,000.00 | 900,000 | - | - |
| | (b) Equip and Furnish Engineer's Office | P. S. | | | 600,000 | | 600,000 | | 600,000 | | |
| SP-4 | Provide Engineer's Housing | Per Month | 15 | 60,000 | 900,000 | 60,000.00 | 900,000 | 60,000.00 | 900,000 | | |
| | (a) Provision of residential accommodation for Staff | P. S. | | | 600,000 | | 600,000 | | 600,000 | | |
| | (b) Provide Furnishing and Equipment for Engineer's Housing | | | | | | | | | | |
| SP-5 | (a) Provide Engineer's Laboratory on Rental Basis | Per Month | 15 | 60,000 | 900,000 | 60,000.00 | 900,000 | 60,000.00 | 900,000 | | |
| | (b) Provide New Equipment & Furniture for Engineer's | P. S. | | | 2,000,000 | | 2,000,000 | | 2,000,000 | | |
| SP-6 | Maintain Engineer's Office, Housing and Laboratory | | | | | | | | | | |
| | a) Maintain Engineer's Office | Per Month | 15 | 30,000 | 450,000 | 30,000.00 | 450,000 | 30,000.00 | 450,000 | | |
| | b) Maintain Engineer's Housing for Staff | Per Month | 15 | 30,000 | 450,000 | 30,000.00 | 450,000 | 30,000.00 | 450,000 | | |
| | c) Maintain Engineer's Laboratory | Per Month | 12 | 30,000 | 360,000 | 30,000.00 | 360,000 | 30,000.00 | 360,000 | | |
| SP-7 | a) Provide New Survey Equipment | P. S. | | | 1,000,000 | | 1,000,000 | | 1,000,000 | | |
| | b) Maintain Survey Equipment | Per Month | 12 | 60,000 | 720,000 | 60,000.00 | 720,000 | 60,000.00 | 720,000 | | |
| SP-8 | a) Providing Engineer's Vehicles (Rental) | Per Month | 60 | 50,000 | 3,000,000 | 50,000.00 | 3,000,000 | 50,000.00 | 3,000,000 | | |
| | b) Maintain Engineer's Vehicles | Per Month | 60 | 30,000 | 1,800,000 | 30,000.00 | 1,800,000 | 30,000.00 | 1,800,000 | | |
| TOTAL BILL NO. 6 : ENGINEER'S FACILITIES | | | | | 13,680,000 | | 13,680,000 | | 13,680,000 | | |



 M S I E



 AS (Engineer)

TABLE No. 4.3

**COMPARISON
OF
SIGNIFICANT PAY ITEMS**

**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUJAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

RATE COMPARISON OF SIGNIFICANT ITEMS

| Spec. No. | Item Description | Unit | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | |
|-----------|---|------|---------------------|------|--------------------|------------|--------------------|------------|
| | | | Rate (Rs.) | Unit | Rate (Rs.) | % increase | Rate (Rs.) | % increase |
| 101 | Clearing and grubbing | Sq.m | 12.84 | | 32.28 | 151.40% | 13.00 | 1.25% |
| 104 | Compaction of Natural Ground | Sq.m | 13.90 | | 34.79 | 150.29% | 15.00 | 7.91% |
| 106a | Excavation and Disposal of Unsuitable Common Material | Cu.m | 290.58 | | 454.11 | 56.28% | 350.00 | 20.45% |
| 108c | Formation of Embankment from Borrow Excavation in common Material | Cu.m | 494.76 | | 563.28 | 13.85% | 600.00 | 21.27% |
| 110 | Improved subgrade | Cum | 794.58 | | 64.81 | -91.84% | 700.00 | -11.90% |
| 201 | Granular Sub-Base | Cu.m | 1,911.81 | | 1,528.54 | -20.05% | 3,072.00 | 60.69% |
| 202 | Aggregate Base Course | Cu.m | 2,069.31 | | 1,657.33 | -19.91% | 3,500.00 | 69.14% |
| 203b | Asphaltic Base Course Plant Mix (Class B) | Cu.m | 16,048.70 | | 22,739.58 | 41.69% | 18,415.00 | 14.74% |
| 209b | Scarification of Existing Road Pavement | Sq.m | 54.51 | | 762.78 | 1299.34% | 50.00 | -8.27% |
| 302b | Bituminous Prime Coat | Sq.m | 53.45 | | 152.10 | 184.57% | 60.00 | 12.25% |
| 303b | Bituminous Tack Coat | Sq.m | 38.36 | | 60.91 | 58.79% | 40.00 | 4.28% |
| 304b | Double Surface Treatment in Shoulders | Sq.m | 349.09 | | 567.98 | 62.70% | 350.00 | 0.26% |
| 305a | Asphaltic Concrete for Wearing Course (Class B) | Cu.m | 17,445.32 | | 24,775.05 | 42.02% | 20,100.00 | 15.22% |
| 510 | Dismantling of Structure and Obstructions | Cu.m | 980.02 | | 2,057.34 | 109.93% | 800.00 | -18.37% |
| 107a | Structural Excavation in Common Material | Cu.m | 272.45 | | 454.48 | 66.81% | 300.00 | 10.11% |
| 107e | Common Backfill | Cu.m | 235.21 | | 333.61 | 41.83% | 250.00 | 6.29% |
| 107d | Granular Backfill | Cu.m | 1,318.32 | | 1,491.11 | 13.11% | 1,500.00 | 13.78% |
| 401a1ii | Concrete Class A1 (On Ground) | Cu.m | 12,341.91 | | 15,000.00 | 21.54% | 12,000.00 | -2.77% |
| 401a1iii | Concrete Class A1 (Elevated) | Cu.m | 12,830.81 | | 16,500.00 | 28.60% | 12,300.00 | -4.14% |
| 401a3(i) | Concrete Class A3 (Underground) | Cu.m | 12,140.00 | | 15,125.00 | 24.59% | 13,000.00 | 7.08% |
| 401a3iii | Concrete Class A3 (Elevated) | Cu.m | 13,538.50 | | 17,000.00 | 25.57% | 11,800.00 | -12.84% |
| 401f | Lean Concrete (Foundation and / or Girder Casting Bed) | Cu.m | 6,924.56 | | 7,126.91 | 2.92% | 6,500.00 | -6.13% |
| 401h | Extra Over Class A1 with SR Cement | Cu.m | 200.00 | | 9,407.43 | 4603.72% | 250.00 | 25.00% |
| 404a | Reinforcement as per AASHTO M. 31 Grade 40 | Tons | 101,830.11 | | 150,000.00 | 47.30% | 118,000.00 | 15.88% |
| 404b | Reinforcement as per AASHTO M31 Grade 60 | Ton | 104,192.61 | | 155,303.00 | 49.05% | 122,000.00 | 17.09% |
| 404c | Galvanized Mild Steel | Tons | 120,000.00 | | 310,000.00 | 158.33% | 140,000.00 | 16.67% |

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**WIDENING & IMPROVEMENT OF ROAD FROM THATTA TO WANGO MOR VIA THATTA, SUJAWAL, SUJAWAL, BADIN INCLUDING BYPASSES (176 Km)
CONTRACT PACKAGE-VIII**

RATE COMPARISON OF SIGNIFICANT ITEMS

| Spec. No. | Item Description | Unit | Engineer's Estimate | | Sachal Engineering | | Niaz Muhammad Khan | |
|-----------|---|-------|---------------------|------------|--------------------|------------|--------------------|------------|
| | | | Rate (Rs.) | % increase | Rate (Rs.) | % increase | Rate (Rs.) | % increase |
| 509e | Grouted Rip Rap Class B | Cu.m | 3,778.43 | | 2,270.25 | -39.92% | 4,000.00 | 5.86% |
| 406a(i) | Preformed Joint Filler conforming to the requirement of AASHTO - M213 (ASTMD-1751) 20mm thick. | Sq.m | 2,424.34 | | 3,504.75 | 44.57% | 2,400.00 | -1.00% |
| 406d(i) | Polysulphide Joint Sealant BS-4254 (1983), or ASTM C290-79 | Kg | 2,500.00 | | 1,625.00 | -35.00% | 2,600.00 | 4.00% |
| 405a | Precast Pre-stressed Concrete Member, Complete in all respect as per drawing. | | | | | | | |
| | i- 21 m Span | Each | 1,151,100.00 | | 1,450,000.00 | 25.97% | 1,300,000.00 | 12.94% |
| | ii- 30 m Span | Each | 2,112,750.00 | | 2,600,000.00 | 23.06% | 2,400,000.00 | 13.60% |
| 406ei | Elastomeric Bearing Pads (According to size and thickness) USA/EU Make | Cu.cm | 5.18 | | 8.09 | 56.18% | 5.50 | 6.18% |
| 407d | Cast in place Concrete Pile (dia. 1000 mm) | M | 10,545.30 | | 7,073.33 | -32.92% | 13,300.00 | 26.12% |
| 407n | Pile Load Test to 2.5 times the design load | Each | 752,636.51 | | 1,875,000.00 | 149.12% | 800,000.00 | 6.29% |
| 509c | Rip Rap Class C | Cu.cm | 1,748.88 | | 2,270.25 | 29.81% | 2,000.00 | 14.36% |
| SP-10 | Pile Integrity Testing | Each | 7,200.00 | | 9,375.00 | 30.21% | 7,500.00 | 4.17% |
| SP-13 | PVC sleeve pipes with CAP of dia and wall thickness as shown on drawings. | M | 900.00 | | 562.50 | -37.50% | 900.00 | 0.00% |
| SP-14 | Permanent Steel Casing including all fixtures (wall thickness as per drawing) | Tons | 126,584.87 | | 200,000.00 | 58.00% | 120,000.00 | -5.20% |
| SP-15 | Bridge Expansion Joint (NFJ OR Equivalent) | M | 63,000.00 | | 335.43 | -99.47% | 65,000.00 | 3.17% |
| SP-16 | Exploratory / Confirmatory boring and Testing in Dry / Wet Area including Geotechnical Report (4 copies to be submitted) | Job | 207,400.00 | | 156,250.00 | -24.66% | 250,000.00 | 20.54% |
| SP-17 | Providing and Fixing drainage Pipe in Bridge Deck with steel Grating (G.I. Pipe of dia as shown on drawings) | M | 825.00 | | 1,500.00 | 81.82% | 900.00 | 9.09% |

AS (Engineer)

AS (Engineer)



GOVERNMENT OF SINDH
SINDH COAL AUTHORITY

No.SCA-23/TW/CE/ 123 /2016
Karachi, dated: 17th May, 2016

To,

✓ The Managing Director
Sindh Public Procurement Regulatory Authority
Karachi.

SUBJECT : BID EVALUATION REPORT

The Bid Evaluation Report was approved by the Procurement Committee in its meeting held on 29th April, 2016 for the work titled "**Reconstruction of 4-Lane Bridge and One Culvert including Approaches between Badin and Wango Mor – Contract Package No.SCA/Phase-I/CP-VIII**" *ADP No: 322/2015-16*

2. The attendance sheet and comparative statement alongwith Bid Evaluation Report (on the prescribed proforma) approved by the Procurement Committee are sent herewith for hoisting on the Authority's Website.


(Engr. Muhammad Ali Memon)
Chief Engineer

c.c.to:









1. The Secretary to Govt. of Sindh, Energy Department, Karachi.
2. The Director General, SCA, Karachi.

PUBLIC OPENING OF BIDS

SUBJECT : RECONSTRUCTION OF FOUR (04) NUMBER BRIDGES AND ONE CULVERT INCLUDING APPROACHES BETWEEN BADIN AND WANGO MOR – CONTRACT PACKAGE NO.SCA/PHASE-I/CP-VIII

Date of opening ~~29~~ 04.2016 at 1300 hrs.

| S. No. | Name of Firm | Read out Bid Price with Premium / Discount in Pak Rupees if any | | Bid Security Amount & No. |
|--------|---|---|--|--|
| | | In Figures | In Words | |
| 1. | M/s. Niaz Muhammad Khan & Brothers | ✓ Rs.469,280,818/- | (Rupees four hundred sixty nine million two hundred eighty thousand eight hundred eighteen only) | Bank Guarantee No.081/16/251/LG/TC dated: 10.03.2016 amounting to Rs.8,000,000/- issued by Silk Bank Limited, Karachi. |
| 2. | M/s. Sachal Engineering Works (Pvt) Limited | ✓ Rs.450,279,049/- | (Rupees four hundred fifty million two hundred seventy nine thousand & forty nine only) | Bank Guarantee No.BOP/GAP/0237/000068/2 016 dated: 18.04.2016 amounting to Rs.8,000,000/- issued by Bank of Punjab, Rawalpindi. |
| 3. | M/s. Kamran & Kompany | | NOT QUOTED | |
| 4. | M/s. Zarghoon Enterprises (Pvt) Limited | ✓ Rs.490,542,605/- | (Rupees four hundred ninety million five hundred forty two thousand six hundred & five only) | Cashier's Cheque No.11483741 dated: 27.04.2016 amounting to Rs.8,000,000/- issued by UBL, Hyderabad. |

 Consultants Member, PC
 Consultants Member, PC
 DAO-AG Member, PC
 EE-I, SCA Member, PC
 W&S Member, PC
 FD Member, PC
 SE-SCA Member, PC
 CE-SCA Member, PC

Additional Secretary, CED
 Chairman, PC

As per FD's Policies,
 Representative of FD
 has not to attend meetings
 of Procurement committee
 (Copies Enclosed)

LIST OF PARTICIPANTS

PROCUREMENT COMMITTEE MEETING REGARDING OPENING OF BIDDING DOCUMENTS FOR THE WORK TITLED "RECONSTRUCTION OF FOUR (04) NUMBER BRIDGES AND ONE CULVERT INCLUDING APPROACHES BETWEEN BADIN AND WANGO MOR - CONTRACT PACKAGE NO.SCA/PHASE-I/CP-VIII" HELD ON 29TH APRIL, 2016 AT 1300 HRS. UNDER THE CHAIRMANSHIP OF THE ADDITIONAL SECRETARY, ENERGY DEPARTMENT, GOVT. OF SINDH, / CHAIRMAN, PROCUREMENT COMMITTEE IN THE COMMITTEE ROOM OF SINDH COAL AUTHORITY

| S. NO. | NAME, DESIGNATION ALONG WITH FIRM & CONTACT NUMBER | SIGNATURE |
|--------|--|---|
| 1 | ABU BAIGAR AHMED AS (Encon) |  |
| 2 | Muhammad ali Meemoni Civil Energy |  |
| 3. | Alt of Hussain Siddi S/E (Energy Dept) |  |
| 4. | Muhammad Yaqoob Qazi, DAO SCA |  |
| 5 | Kamran E. Kamran |  |
| 6/ | AJAZ Ahmed, contract Engrs: EA Const: |  |
| 7. | Zamir Ahmed Shoukht XEN-I SCA |  |
| 8 | Sachal Engineering Work |  |
| 9. | Ghous Bux Abbas XEN-PRD-II kyc |  |
| 10. | M. Siddiq Sulomani, Team Leader, EA Consulting |  |
| | | |
| | | |

Contractor

Contractor