

SINDH INDUSTRIAL TRADING ESTATES LIMITED

BILL OF QUANTITIES

Repair & Maintenance of Roads at Various Locations
SITE Superhighway Phase-I Karachi



Tender No.01

Issued to: _____



Sindh Industrial Trading Estates Limited
Manghopir Road Karachi.
Phone No.: 0092-2132562604
Fax No.: 0092-213256213
Email: chiefengineer@site.com.pk
Web: www.site.com.pk

SINDH INDUSTRIAL TRADING ESTATES LIMITED

BILL OF QUANTITIES

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SITE Superhighway Phase-I Karachi



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FORM OF BID
(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security

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referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

Sindh Industrial Trading Estates Limited



BIDDING DATA

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents. The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.)

Instructions to Bidders

Clause Reference

1.1 Name of Procuring Agency

SINDH INDUSTRIAL TRADING ESTATES LIMITED KARACHI

Brief Description of Works

Repair & Maintenance of Roads at Various Locations, at SITE Superhighway Phase-I

5.1 (a) Procuring Agency's address:

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR

ROAD KARACHI

(b) Engineer's address:

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows:

i. Financial capacity:

ii. Technical capacity:

iii. Construction Capacity:

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- 12.1 (a) A detailed description of the Works, essential technical and performance characteristics.
- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 Amount of Bid Security

2% of Bid Value

14.1 Period of Bid Validity

90 days

14.4 Number of Copies of the Bid to be submitted: (single stage one envelope)

One original plus 01(one) copies.

14.6 (a) Procuring Agency's Address for the Purpose of Bid Submission

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR ROAD KARACHI

15.1 Deadline for Submission of Bids

Time: 12:30 PM on 22-04-2015.

16.1 Venue, Time, and Date of Bid Opening

Venue: Office of The Chief Engineer.
Time: 01:00 PM Date: 22-04-2015

16.4 Responsiveness of Bids

- (i) Bid is valid till required period,

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- (ii) Bid prices are firm during currency of contract/Price adjustment;
- (iii) Completion period offered is within specified limits,
- (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) Bid does not deviate from basic technical requirements and
- (vi) Bids are generally in order, etc.

- (a) **Fixed Price contract:** In these contracts no escalation will be provided during currency of the contract and normally period of completion of these works is up to 12 months.
- (b) **Price adjustment contract:** In these contracts escalation will be paid only on those items and in the manner as notified by Finance Department, Government of Sindh, after bid opening during currency of the contract.

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**SCHEDULES TO BID INCLUDE THE
FOLLOWING:**

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Program of Works
- Schedule E to Bid: Method of Performing Works

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SCHEDULE – A TO BID
SCHEDULE OF PRICES

Sr. No.

1. Preamble to Schedule of Prices
2. Bill of Quantities

Sindh Industrial Trading Estates Limited



PREAMBLE TO SCHEDULE OF PRICES

1. **General**

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. **Description**

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. **Units & Abbreviations**

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).
Sft,Rft,Cft,Cwt

4. **Rates and Prices**

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the premium, rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.



SCHEDULE - A TO BID

- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, 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 and no separate payment will be made for those items.
- The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.
- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.
- * (b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.
- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

- 5.1 Break-up of Bid Prices
The various elements of Bid Prices shall be quoted as detailed by the Procuring Agency in the format of Schedule of Prices.
The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.
- 5.2 Total Bid Price
The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.



SCHEDULE - A TO BID

6. **Provisional Sums and Day work**

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Procuring Agency. The Contractor will only receive payment in respect of Provisional Sums, if he has been instructed by the Engineer/Procuring Agency to utilize such sums.
- 6.2 Day work rates in the contractor's bid are to be used for small additional amounts of work and only when the Engineer have given written instructions in advance for additional work to be paid for in that way.

Sindh Industrial Trading Estates Limited



SINDH INDUSTRIAL TRADING ESTATE LTD., KARACHI

Repair & Maintenance of various Roads at SITE SHW Phase-I Karachi.

Bill of Quantities

S.#	Description of Work	Unit	Qty.	Rate	Rate in Words	Amount
1	Earth Work (Excavation and Embankment)					
	Dismantling of existing asphalt concrete road including base, sub-base and disposal of dismantling material to designated place.	Sft	40,300			
2	Sub Base Preparing sub base course by supplying and spreading stone metal 1-1/2 inch guage of approved quality from approved quarry in required thickness to proper camber and grade including hand packing fillings voids with 10cft screening and non plastic quarry fines	CFT	20,150			
3	Base Course Providing and laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical menas (Motor grader, Vibratory roller and Smooth wheel roller etc.) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains).	Cft	20,150			
4	PREMIXED CARPET PROVIDING 1-1/2 thick premixed carpet in proper camber and grade including supplying 15 cft bajri 5CFT hill sand pf approved quality and grade bitumen of 80/100 penetration including mixing in mechanical mixer required proportion including heating materials and cleaning the road surface Hill sand 3 CFT for mixing and 2.0 cft for dusting rate includes all cost of materials T&P and carriage upto 3 chains (B) Using crushed bajri	Sft	40,300			
Total Amount in Rs						



SCHEDULE - B TO BID

*SPECIFIC WORKS DATA

Sindh Industrial Trading Estates Limited



SCHEDULE - C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS*

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed. (<i>attach evidence</i>)
-------------------------------------	-------------------------------------	--

Note:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Procuring Agency.
2. The truthfulness and accuracy of the statement as to the experience of Sub- Contractors is guaranteed by the bidder. The Procuring Agency's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

Sindh Industrial Trading Estates Limited



PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of works to be supplied under the Contract.

Sindh Industrial Trading Estates Limited



SCHEDULE - E TO BID

METHOD OF PERFORMING WORKS

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

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organisation chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

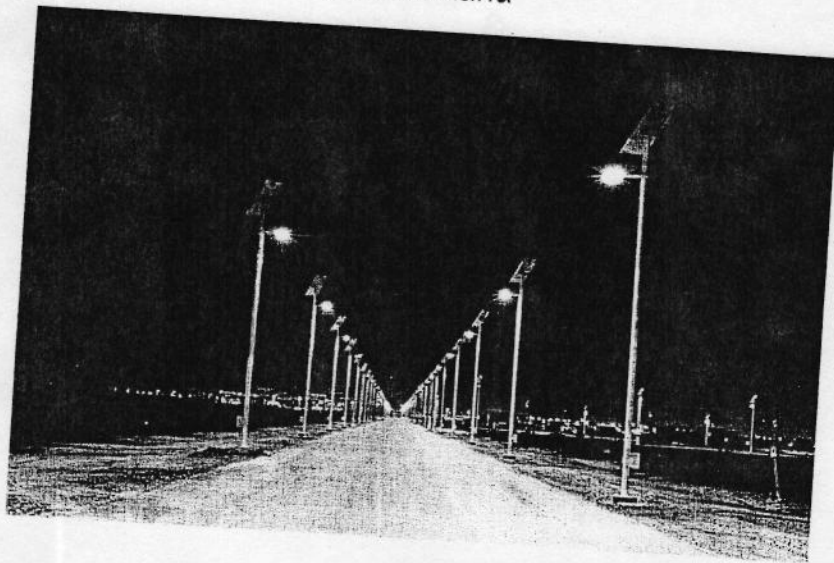
Sindh Industrial Trading Estates Limited



SINDH INDUSTRIAL TRADING ESTATES LIMITED

BILL OF QUANTITIES

Construction of Approach Road & Tube Wells with Tank and Allied Works
SITE Larkana



Tender No. 02

Issued to: _____



Sindh Industrial Trading Estates Limited
Manghopir Road Karachi.
Phone No.: 0092-2132562604
Fax No.: 0092-213256213
Email: chiefengineer@site.com.pk
Web: www.site.com.pk

FORM OF BID
(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security

_____ Sindh Industrial Trading Estates Limited



referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

Sindh Industrial Trading Estates Limited



BIDDING DATA

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents. The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.)

Instructions to Bidders

Clause Reference

1.1 Name of Procuring Agency

SINDH INDUSTRIAL TRADING ESTATES LIMITED KARACHI

Brief Description of Works

Construction of Approach Road and Tube Wells with Tank and Allied Works, at SITE Larkana

5.1 (a) Procuring Agency's address:

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR

ROAD KARACHI

(b) Engineer's address:

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows:

- i. Financial capacity:
- ii. Technical capacity:
- iii. Construction Capacity:

Sindh Industrial Trading Estates Limited



- 12.1 (a) A detailed description of the Works, essential technical and performance characteristics.
- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 **Amount of Bid Security**

2% of Bid Value

14.1 **Period of Bid Validity**

90 days

14.4 **Number of Copies of the Bid to be submitted:** (single stage one envelope)

One original plus 01(one) copies.

14.6 (a) **Procuring Agency's Address for the Purpose of Bid Submission**

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR ROAD KARACHI

15.1 **Deadline for Submission of Bids**

Time: 12:30 PM on 22-04-2015.

16.1 **Venue, Time, and Date of Bid Opening**

Venue: Office of The Chief Engineer.
Time: 01:00 PM Date: 22-04-2015

16.4 **Responsiveness of Bids**

- (i) Bid is valid till required period,

Sindh Industrial Trading Estates Limited



- (ii) Bid prices are firm during currency of contract/Price adjustment;
- (iii) Completion period offered is within specified limits,
- (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) Bid does not deviate from basic technical requirements and
- (vi) Bids are generally in order, etc.

- (a) **Fixed Price contract:** In these contracts no escalation will be provided during currency of the contract and normally period of completion of these works is up to 12 months.
- (b) **Price adjustment contract:** In these contracts escalation will be paid only on those items and in the manner as notified by Finance Department, Government of Sindh, after bid opening during currency of the contract.

Sindh Industrial Trading Estates Limited



**SCHEDULES TO BID INCLUDE THE
FOLLOWING:**

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Program of Works
- Schedule E to Bid: Method of Performing Works

Sindh Industrial Trading Estates Limited



SCHEDULE – A TO BID
SCHEDULE OF PRICES

Sr. No.

1. Preamble to Schedule of Prices.....
2. Bill of Quantities

Sindh Industrial Trading Estates Limited



PREAMBLE TO SCHEDULE OF PRICES

1. **General**

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. **Description**

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. **Units & Abbreviations**

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).
Sft.Rft.Cft.Cwt

4. **Rates and Prices**

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the premium, rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.

Sindh Industrial Trading Estates Limited



SCHEDULE - A TO BID

- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, 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 and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.
- *(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.
- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

- 5.1 Break-up of Bid Prices
The various elements of Bid Prices shall be quoted as detailed by the Procuring Agency in the format of Schedule of Prices.
The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.
- 5.2 Total Bid Price
The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

Sindh Industrial Trading Estates Limited



SCHEDULE - A TO BID

6. Provisional Sums and Day work

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Procuring Agency. The Contractor will only receive payment in respect of Provisional Sums, if he has been instructed by the Engineer/Procuring Agency to utilize such sums.
- 6.2 Day work rates in the contractor's bid are to be used for small additional amounts of work and only when the Engineer have given written instructions in advance for additional work to be paid for in that way.

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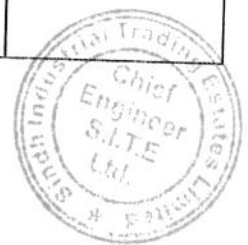


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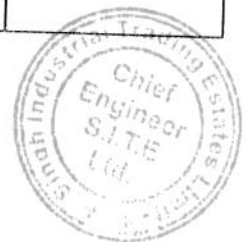
Bill of Quantities

Construction of approach road with tubewell & allied works @ SITE LARKANA

Sr.No	DESCRIPTION.	Imperial	Rate	Rate in Words	Quantity	Amount
		Units.				
1	2	3	4	5	6	7
I	Earth work for Road Embankment by buildozed i/c plugging mixing clod breaking dressing & compacing with optimum master content lead up to 100 ft and lift up to 5 ft in all type of soil except rock (a) for 95 to 100% modifies AASHO density	Cft			33762	
II	Preparing Sub grade i/c earth excavation or filling to an average depth of 9 " dressing to camber and consolidation with power roller.	Sft			6250	
III	Providing and laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical menas (Motor grader, Vibratory roller and Smooth wheel roller etc) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains).	CFT			3125	



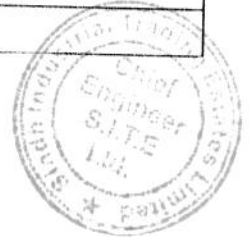
	2" (50 mm) Thick Asphalt Concrete Wearing Course Plant Mix					
IV	Laying to Proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic / Electronic control) Prepared to specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to Properline, grade level and camber etc: (Machinery with POLs cost of material carriage).	Sft			6250	
	Kerb Stone					
V	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thick x 12 inches long x 12 inches high including the cost of Cartage, excavation, form Work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar.	P.Rft			250	
VI	Tube Well					
	Boring for tube well 3inch dia in all water bearing soil from ground level upto 100 ft or 30.5 m depth including sinking and with drawing of casing pipe etc complete	Rft				
VII	Supplying Installation and testing 2HP motors including 2" dia pump head 100ft including laying jointing testing PVC into PVC copper core	Each				



VIII	Supplying Installation and testing electrical pannel complete for on off 2HP motor	Each				
IX	Excavation					
	Excavation in foundation of building bridges and other structure including dagbelling dressing refil ing, around structure with excavated earth watering and ramming lead upto 5 ft.	Cft			500	
X	Cement concrete brick or stone ballast 1-1/2" to 2" gauge b) ratio 1:4:8 (Page No 15 Item No. 4 (b))	Cft			150	
XI	Providing and Laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor super structure including raking out joints & curring etc	Sft			440	
XII	Cement plaster ratio 1:4 utpo 12' heigh: (1/2" thick)	Sft			900	



XIII	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (Including screening and washing of shingle.) (1) Ratio (1:2:4) 90 Lbs. cement 2 Cft sand 4 Cft Shingle 1/8" to 1/4" gauge.	CFT				30		
XIV	(a) Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of) (b) Using Tor bars.	Cwt				2		
XV	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels: © 2" thick	Sft				225		
XVI	Providing & fixing Iron door frame with shutter (7' x 3') i/c oil paint etc complete	each				1		
	Providing & fixing Iron windows frame with shutter (4' x 3') i/c oil paint etc complete	each				2		
Total Rs.								



SCHEDULE - B TO BID

*SPECIFIC WORKS DATA

Sindh Industrial Trading Estates Limited



SCHEDULE - C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS*

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed. (<i>attach evidence</i>)
-------------------------------------	-------------------------------------	--

Note:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Procuring Agency.
2. The truthfulness and accuracy of the statement as to the experience of Sub- Contractors is guaranteed by the bidder. The Procuring Agency's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

Sindh Industrial Trading Estates Limited



PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of works to be supplied under the Contract.

Sindh Industrial Trading Estates Limited



SCHEDULE - E TO BID

METHOD OF PERFORMING WORKS

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

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organisation chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

Sindh Industrial Trading Estates Limited

SINDH INDUSTRIAL TRADING ESTATES LIMITED

BILL OF QUANTITIES

Reconstruction of Road from National Highway to Plot No. E/1-A
SITE Kotri



Tender No. 03

Issued to: _____

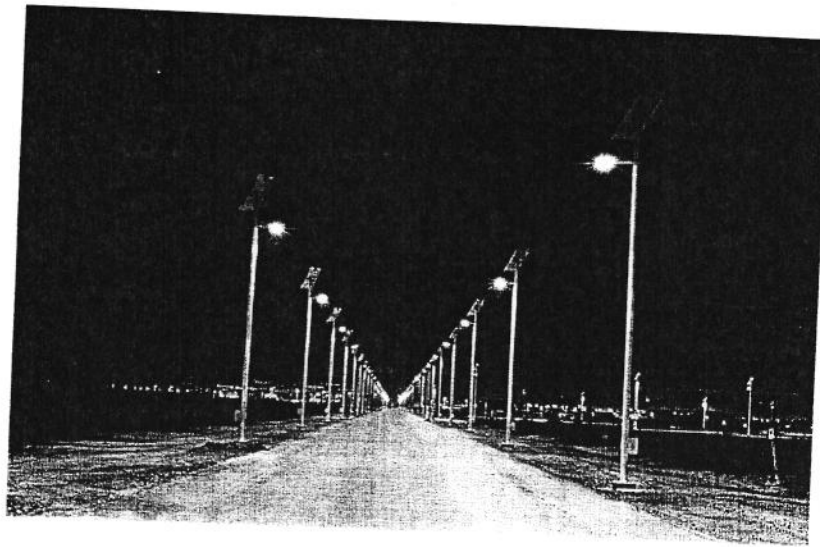


Sindh Industrial Trading Estates Limited
Manghopir Road Karachi.
Phone No.: 0092-2132562604
Fax No.: 0092-213256213
Email: chiefengineer@site.com.pk
Web: www.site.com.pk

SINDH INDUSTRIAL TRADING ESTATES LIMITED

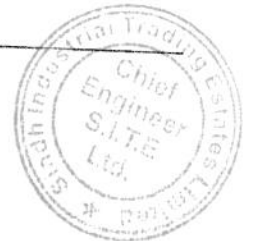
BILL OF QUANTITIES

Reconstruction of Road from National Highway to Plot No. E/1-A
SITE Kotri



Tender No.03

Issued to: _____



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FORM OF BID
(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Bid is accepted, to execute the Performance Security

Sindh Industrial Trading Estates Limited



referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

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BIDDING DATA

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents. The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.)

Instructions to Bidders

Clause Reference

1.1 Name of Procuring Agency

SINDH INDUSTRIAL TRADING ESTATES LIMITED KARACHI

Brief Description of Works

Reconstruction of Road from National Highway to Plot No. E/1-A, SITE Kotri

5.1 (a) Procuring Agency's address:

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR

ROAD KARACHI

(b) Engineer's address:

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows:

i. Financial capacity:

ii. Technical capacity:

iii. Construction Capacity:

Sindh Industrial Trading Estates Limited



- 12.1 (a) A detailed description of the Works, essential technical and performance characteristics.
- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 **Amount of Bid Security**

2% of Bid Value

14.1 **Period of Bid Validity**

90 days

14.4 **Number of Copies of the Bid to be submitted:** (single stage one envelope)

One original plus 01(one) copies.

14.6 (a) **Procuring Agency's Address for the Purpose of Bid Submission**

SINDH INDUSTRIAL TRADING ESTATES LIMITED MANGHOPIR ROAD KARACHI

15.1 **Deadline for Submission of Bids**

Time: 12:30 PM on 22-04-2015.

16.1 **Venue, Time, and Date of Bid Opening**

Venue: Office of The Chief Engineer.
Time: 01:00 PM Date: 22-04-2015

16.4 **Responsiveness of Bids**

- (i) Bid is valid till required period,

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- (ii) Bid prices are firm during currency of contract/Price adjustment;
- (iii) Completion period offered is within specified limits,
- (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) Bid does not deviate from basic technical requirements and
- (vi) Bids are generally in order, etc.

- (a) **Fixed Price contract:** In these contracts no escalation will be provided during currency of the contract and normally period of completion of these works is up to 12 months.
- (b) **Price adjustment contract:** In these contracts escalation will be paid only on those items and in the manner as notified by Finance Department, Government of Sindh, after bid opening during currency of the contract.

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**SCHEDULES TO BID INCLUDE THE
FOLLOWING:**

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Program of Works
- Schedule E to Bid: Method of Performing Works

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SCHEDULE - A TO BID

SCHEDULE OF PRICES

Sr. No.

1. Preamble to Schedule of Prices.....
2. Bill of Quantities

Sindh Industrial Trading Estates Limited



PREAMBLE TO SCHEDULE OF PRICES

1. **General**

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. **Description**

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. **Units & Abbreviations**

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).
Sft.Rft.Cft.Cwt

4. **Rates and Prices**

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the premium, rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.

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SCHEDULE - A TO BID

- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, 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 and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.
- * (b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.
- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Procuring Agency in the format of Schedule of Prices. The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.



SCHEDULE - A TO BID

6. Provisional Sums and Day work

6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Procuring Agency. The Contractor will only receive payment in respect of Provisional Sums, if he has been instructed by the Engineer/Procuring Agency to utilize such sums.

6.2 Day work rates in the contractor's bid are to be used for small additional amounts of work and only when the Engineer have given written instructions in advance for additional work to be paid for in that way.

Sindh Industrial Trading Estates Limited



SINDH INDUSTRIAL TRADING ESTATE LTD.
Reconstruction of Road From National Highway to Plot No. E-1A at SITE Kotri
BoQ

S.#	Description of Work	Unit	Qty.	Rate	Rates in Words	Amount
1	Earth Work (Scrafiyng of Road)					
	Scarifiyng the existing road surface.	Sft	63,040			
	Amount in Words:					
2	Sub-Base					
	(a) Preparing sub-base course by supplying and spread-ing stone metal 1-1/2" 2" guage of approved quality from approved quarry in required thickness to proper camber and grade including hand packing filling voids with 10 cft screening and non plastic quarry fines of approved quality and guage from approved source, watering and compacting to achieve 98-100% density as per modified AASHTO specif cations,. (Rate includes all cost of materials T&P an carriage upto 3 chains)	Cft	47,280			
3	Aggregate base course					
	Providing and laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical menas (Motor grader, Vibratory roller and Smooth wheel roller etc.) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains).	Cft	47,280			



4	2" Thick Asphalt Concrete Wearing Course Plant Mix					
	laying to Proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic / Electronic control) Prepared to specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to Properline, grade level and camber etc. complete. Rate includes tack coat with bitumen 80/100 penetration and all cost of materials roller, T&P and carriage of materials (Machinery with POLS cost of material carriage)	Sft	63,040			
5	Cat Eyes / Road Studs					
	Supplying & fixing referise road studs double face flash surface type. (609NHA Specification)	Each	240.00			
6	Thermo Plastic Paint					
	Pevement marking in reflective Thermo Plastic Paint for lines of 6" inch width.(608NHA Specification)	P. Rft	4,110.00			
Drain & Sewerage / Utility Ducts						
1	Excavation for Pipe					
	Excavation for pipeline in trenches, and pits in all kind of soils of murum i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposa of surplus earth within a one chain as directed by Engineer Incharge. Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic wherever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	Cft	1600.00			



2	Refilling Excavated Stuff					
	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	Cft	1,500			
3	RCC Pipes					
	Providing, laying RCC pipes of ASTM C-76-62 T/C 76-70 of Class-II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure.					
	300 mm (12" dia)	Rft	160			
4	PCC 1:3:6					
	Cement concrete plain including placing, compact ng, finishing and curing complete (including screening and washing stone aggregate without shuttering).					
	1) Ratio 1:3:6	Cft	200			
Total Amount in Rs.						



SCHEDULE - B TO BID

*SPECIFIC WORKS DATA

Sindh Industrial Trading Estates Limited



SCHEDULE - C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS*

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed. (<i>attach evidence</i>)
--	--	--

Note:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Procuring Agency.
2. The truthfulness and accuracy of the statement as to the experience of Sub- Contractors is guaranteed by the bidder. The Procuring Agency's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

Sindh Industrial Trading Estates Limited



PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of works to be supplied under the Contract.

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SCHEDULE - E TO BID

METHOD OF PERFORMING WORKS

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

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site.
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