



TENDER DOCUMENTS

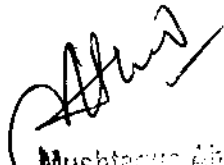
**MAKING CONNECTION REHABILITATION
FOR EXISTING WATER SUPPLY SYSTEM
OF 8", 6", & 4" DIA PE PIPE IN BLOCK- E
MUSHARAF COLONY BALDIA TOWN**

KARACHI WATER & SEWERAGE BOARD

BIDDING DATA

- (a) Name of Procuring Agency KW&SB
- (b) Brief Description of Work MAKING CONNECTION REHABILITATION FOR EXISTING WATER SUPPLY SYSTEM OF 8", 6", & 4" DIA PE PIPE IN BLOCK- E MUSHARAF COLONY BALDIA TOWN.
- (c) Procuring Agency Address _____
- (d) Estimate Cost On item rate basis
- (e) Amount of Bid Security 2% of Bid amount
- (f) Period of Bid Validity _____ Days
- (g) Security Deposit (including Bid Security) 10%
- (h) Venue, Time and Date of Bid Opening The Tender in sealed cover super scribed with the name of the work should be dropped in the Tender Box kept in office of the Chief Engineer (IP&D) at Block- 'B' 9th Mile Karsaz, Karachi on _____ at _____ PM by Procurement Committee
- (i) Deadline for submission of Bid along with time. _____
- (j) Time for completion from written order commence 30 Days
- (k) Liquidity damage 0.5% of Bid Cost per day of delay
- (l) Bid issued to Firm M/s. _____
- (m) Deposit Receipt No. & Date _____
- Amount: Rs. _____/=

Author ty Issuing Bidding Document


Executive Engineer,
Town, KW&SB
Baldis Town (Water)
K.W. & S.B.

OFFICE OF THE EXECUTIVE ENGINEER BALDIA TOWN (WATER)
KARACHI WATER & SEWERAGE BOARD

Estimate amount:- Item Rate basis
Time limit : 20 days
Penalty for delay : 500/- P/day
Tender Cost : 2000/-
Date of Opening : _____

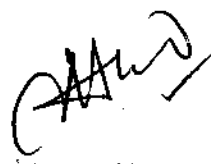
Quotation / Tender issued to:-
M/s _____
Receipt No. ___ Dt. _____

Name of Work **MAKING CONNECTION REHABILITATION FOR EXISTING WATER SUPPLY SYSTEM OF 8", 6", & 4" DIA PE PIPE IN BLOCK-E-MUSHRAF COLONY BALDIA TOWN**

S. No	Description of Work	QTY	Rate	Per Unit / Item	Amount in Ruppes
1	Dismantling and removing road metal ling.	2000 Cft		% Cft	
2	Excavation for pipe line trenches and pits in all kind of soils of murmur i/e trimming and dressing sides to true alignment and shapes leveling of bed. Trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by engineer in charge. Providing fence guards lights, flags and temporary crossing for non-vehicular traffic where ever required lift up to 5 ft (1.52m) and lead up to one chain (30.5m)	6000 Cft		% Cft	
3	Excavation for pipe line trenches and soft rock of murmur i/c trimming and dressing sides to true alignment and shapes leveling of bed of Trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by engineer in charge. Providing fence guards lights, flags and temporary crossing for non-vehicular traffic where ever required lift up to 5 ft (1.52m) and lead up to one chain (30.5m)	4000 Cft		% Cft	
4	Providing laying & fixing in trench i/e fitting jointing & testing etc complete in all respect the high density polyethylene PE pipe (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S3580 & PSI 3051. (PN-10). (160mm) 06" DIA	800 Rft		P/Rft	
5	C.I. Sluice valve heavy pattern (test pressure 21.0 kg/39com or 300 lbs/ sq.inch) (Imported) 06" DIA	09 NOS		EACH	
6	Fixing of sluice valves with 2 cast iron tailpieces one and flanged and other with socket including the cost of nuts bolts and rubber packing labor et complete. 06" DIA	09 NOS		EACH	

Executive Engineer
Baldia Town Water Supply
Karachi

7	P/F M.S FLANGE made of M.S plate having a thickness and total weight as mentioned against each item it includes the cost of making holes. Facing welding nuts bolts. Rubber packing white lead. Fitter cartage etc complete. 1/2 " thick M/S plate, net weight= 3.232 legs 06" DIA	16 NOS			EACH
8	P/F split collar 9" wide on A pipe fabrication with 1/4" thick M.S. plate weighting as mention against each items. It i/c the cost of 4 NOS 1/4" thick flanges, nuts, bolts, rubber, packing , labor and sealing material etc. complete. Weight= 12.31 kgs 8" DIA	08 NOS			EACH
9	Providing and fixing 0-9" longs-3/8" thick MS NECK to existing MS pipe or to a split collar TEE having a total weight as mentioned against each item. It including the cost of fabrication and welding to the split collar tee. Net weight= 10.90 kgs 06" DIA	08 NOS			EACH
10	Full hire charges of the pumping sets i/c wages of driver and assistant fuel electric energy plate from required for placing pump etc at lower depth with suction and delivery pipes or pumping out water found at various depth from trench i/c the cost of erection and dismantling after completion of the job. (i) Hire charges of pumping set of up to 10 H.P. pumping out water from 10" deep trench.	29 DAYS			P/DAY
11	Refilling the excavated staff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	9786.30 Cft			% Cft
12	Construction of chamber c/c block masonry chamber of 4*4*4 (made dimension) with 24"*24" C.I cover frame weight 65 kg in RCC 1:2:4 slab 6" thick steel 1/4" dia Tore bars MAN at 6" thick c/c 1/4 dia (8"c/c distribution bars 6"thick c/c 1:3:6 block missionary walls set in 1:0 C.M 6" thick c/c 1:4:8 in foundation 2" thick c/c 1:2:4 flooring thick cement plaster 1:6 to all in side walls surface top and bottom slab outer side will surface 1" excavation dewatering refilling etc. 4x4x4 (As per R/A)	09 NOS			Each


 Executive Engineer (Water)
 Baldia Town, KW & SB
 K.W. & S.B.

Conditions of Contract

Clause – 1: Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the work, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorate basis.

Clause – 2: Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

Clause – 3: Termination of the Contract.

(A) Procuring Agency/Executive Engineer may terminate the contract if either of the following conditions exists:-

- (i) contractor causes a breach of any clause of the Contract;
- (ii) the progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
- (iii) in the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
- (iv) contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;

(B) The Executive Engineer/Procuring Agency has power to adopt any of the following courses as may deem fit:-

- (i) to forfeit the security deposit available except conditions mentioned at A (iii) and (iv) above;
- (ii) to finalize the work by measuring the work done by the contractor.


Executive Engineer
Bates & S.B.

(C) In the event of any of the above courses being adopted by the Executive Engineer/Procuring Agency, the contractor shall have:-

- (i) no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of, or with a view to the execution of the work or the performance of the contract,
- (ii) however, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such work and has not been paid.

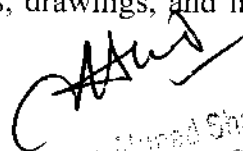
Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.

Clause -5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; where time has been extended under this or any other clause of this agreement, the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.

When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.

Clause -6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge in his office and to which the contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid.


Ahmed Shaikh
Executive Engineer
Contract No. 100/2004
10/10/04

Clause – 7: Payments.

- (A) **Interim/Running Bill.** A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Engineer-in-charge shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Engineer /Procuring Agency shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes.

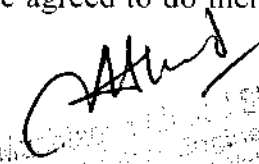
All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

- (B) **The Final Bill.** A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work; otherwise Engineer-in-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

Clause – 9: Issuance of Variation and Repeat Orders.

- (A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.
- (B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the

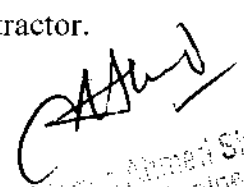

M. S. Shaikh
District Engineer
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work, and at the same rates, as are specified in the tender for the main work. The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.

- (C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.
- (D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contract work.
- (E) In case of quantities of work executed result the initial Contract Price to be exceeded by more than 15%, and then Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer.
- (F) **Repeat Order:** Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

Clause-10: Quality Control.

- (A) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Engineer-in-charge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.
- (B) **Correction of Defects:** The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.
- (C) **Uncorrected Defects:**
- (i) In the case of any such failure, the Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.


Engineer-in-Charge
Water Division
S.B.

- (ii) If the Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

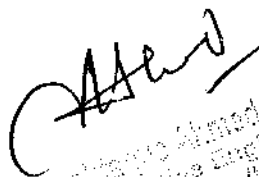
Clause – 11:

- (A) **Inspection of Operations.** The Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.
- (B) **Dates for Inspection and Testing.** The Engineer shall give the contractor reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, orders given to the contractor's duly authorized agent shall be considered to have the same force an effect as if they had been given to the contractor himself.

Clause – 12: Examination of work before covering up.

- (A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;
- (B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. if any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Engineer.


Mushroom Ahmed Sheikh
Executive Engineer
B. Town (Water)
R.M. & S.B.

Clause -18: Financial Assistance /Advance Payment.


- (A) Mobilization advance is not allowed.
- (B) Secured Advance against materials brought at site.
- (i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;
- (ii) Recovery of Secured Advance paid to the contractor under the above provisions shall be affected from the monthly payments on actual consumption basis, but not later than period more than three months (even if unutilized).

Clause -19: Recovery as arrears of Land Revenue Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause -20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the security deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.


Divisional Accountant

Bar


Executive Engineer/Procuring Agency

Contractor