

# **KARACHI WATER AND SEWERAGE BOARD**

**OFFICE OF THE EXECUTIVE ENGINEER SEWAGE TREATMENT PLANT NO.II**  
**MAHMOODABAD NO.2 NEAR HABIB BANK CELL# 0300 2543787**

## **NOTICE INVITING TENDER**

Executive Engineer STP-II KW&SB invites sealed Tenders on Item Rate Basis through website under rule 17 (1) in terms of SPPR Rule-2010, amended 2013 single-stage single envelop for the work mentioned below, from the intending participants, reputed / experienced contracting firms.

**Estimated cost of Tender below 1.00 Million**

1.	Name of Work	<b>REPAIRING &amp; MAINTENANCE /OVERHAULING OF 7.5 MGD (KSB) PUMP # 5 INCLUDING REWINDING OF PUMPS MOTOR(SLIPRING TYPE) AT PS-II KORANGI INDUSTRIAL AREA STP-II.</b>	
2.	Estimated cost	Rs. 8,87,505/-	
3.	Eligibility of Contractor	i) Having National Tax No. (Copy may be attached) ii) Three years relevant work experience. iii) Three years Turnover statement. iv) Registration with SRB.	
4.	Earnest Money	2% of quoted amount in shape of pay order / Bank Draft, in favor of Karachi Water & Sewerage Board.	
5.	Note	i) No Tender will be issued on the date of opening of tender. ii) Earnest Money in shape of Pay Order / Bank Drafts from any scheduled Bank of Pakistan in the favor of KW&SB must be accompanied with the tender otherwise the tenders shall be treated as invalid and rejected.	
6.	Tenders can be Purchased from	Office of the Account Officer (Revenue), KW&SB at Office, 1 <sup>st</sup> Floor Old KBCA Annexe Building, Civic Centre, Gulshan-e-Iqbal, Block-4, Karachi,	Head Behind
7.	Tender Fee	Rs.1000/= Non-Refundable in shape of pay order in favor of KW&SB.	
8.	Time limit for Completion of work.	<b>07 days</b>	
9.	Issuance. Bidding/Tender documents.	Documents will be issued/ downloaded from the date of Hoisting on SPPRA Website to <b>02.10.2017</b> on attached Bid security/payment of tender fees (non refundable).	
10.	Date & Time receiving / Opening of Tenders.	<b>03.10.2017 at 2:00 pm and to be opened on same day at 2:30 pm</b>	
11.	Place of opening.	Tender will be opened by the Tender Opening Committee-I in the office of Director Design KW&SB near COD Hill filter plant, Gulshan-e-Iqbal	
12.	Funding Position	KW&SB own fund <b>year 2017-18</b>	
13.	Scope of Work	For improvement of Sewerage System	
14.	Un-responded tender	Will be again issued/submitted/opened	

Note: - i) The procuring agency reserves the right to accept or reject any or all bids as per relevant provision of SPPR-2010.

ii). Tender can be seen on SPPRA Website No. [www.pprasinhdh.gov.pk](http://www.pprasinhdh.gov.pk).

iii). In case of undesirable circumstances on submission of opening date/time or if any Government declare the Holiday the tender shall be submitted/ opened on next working day at same time and venue.

**AYAZ HUSSAIN TUNIO**  
Executive Engineer (TP-II)  
Karachi Water & Sewerage Board

**KARACHI WATER & SEWERAGE BOARD**

# BIDDING DATA

1	NAME OF PROCURING AGENCY	EXECUTIVE ENGINEER STP-II
2	Brief Description of work	REPAIRING & MAINTENANCE /OVERHAULING OF 7.5 MGD (KSB) PUMP # 5 INCLUDING REWINDING OF PUMPS MOTOR(SLIPRING TYPE) AT PS-II KORANGI INDUSTRIAL AREA STP-II..
3	Procuring Agency address	SEWERAGE TREATMENT PLANT-II, MAHMOODABAD NO.2 NEAR HABIB BANK.
4	Estimate Cost	Rs. 8,87,505/-
5	Amount of Bid security	@ 02% of offer rate
6	Period of Bid validity	90 days
7	Security Deposit including Bid Security	@ 10 % of Billed amount
8	Venue, Time and Date of Bid Opening	Tender in sealed cover super scribed with the name of work should be dropped in the tender box kept in the office of Director Design & estimate KW&SB near COD Hill filter plant, Gulshan-e-Iqbal Karachi on <b>03.10.2017</b> at <b>2.00 p.m</b> and will be opened on same day at <b>2.30 p.m</b> by the Tender opening Committee-I.
9	Deadline for submission of Bid with time	<b>03.10.2017 at 2:00 pm</b>
10	Time for completion	<b>07 days</b>
11	Liquidity damages	0.5% of Bid cost per day of delay
12	Bid issued to Firm	M/s _____ _____
13	Deposit Receipt No and date	
14	Tender cost	Rs.1000/=
15	Eligibility of Contractor	i) Having National Tax No. (copy may be attached) ii) Three years relevant work experience. iii) Three years Turnover Bank statement iv) Registration with SRB


  
**AYAZ HUSSAIN**  
**EXECUTIVE ENGINEER**  
 S.P. I & K W & SB  
 Karachi Water & Sewerage Board

AUTHORITY ISSUING BIDDING DOCUMENTS

## ELIGIBILITY AND EVALUATION CRITERIA OF THE TENDER

Bid shall be evaluated on the basis of following information are available with the bid :-

1. Bid shall be in sealed Cover.
2. Bid shall be properly signed by the Contractor with Stamp.
3. Name of firm, Postal address, Telephone number, Fax number, e-mail address must be written.
4. Rate must be quoted in figures and words.
5. NTN and Sales Tax (Where applicable).
6. Contractor should be registered with Sindh Revenue Board in terms of Rule-46(1)(iii) of SPP Rules, 2010 (amended 2014).
7. Relevant Experience of work (03) Three years.
8. Turnover at least (03) Three years.
9. Bid Security of required amount.
10. Conditional bid will not be considered.
11. Bid will be evaluated according to SPPR 2010 (Amended 2013).
12. Debarred Contractors bid cannot be accepted.

  
AYAZ HUSSAIN TUNIO  
Executive Engineer (TP-II)  
Karachi Water & Sewerage Board



# KARACHI WATER & SEWERAGE BOARD

HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021 - 99231464 - 021 - 99231463

No KW&SB/SR. DIR./HRD&A/397

Dated 14<sup>th</sup> April, 2016

## OFFICE ORDER

The Procurement Committee-I is re-constituted as per Rule-07 of Sindh Public Procurement Rules-2010, for performing the functions prescribed in Rule-08 of Rules ibid for the works for which evaluation report required to be hoisted on Sindh Public Procurement Authority as under:

Sr No	Nominee	Position in P C
1	Director Design & Estimate	Convener / Chairman
2	Superintending Engineer (Concerned)	Member
3	Representative of D.G. (TS), KMC	Member
4	Representative of Finance Advisor, KMC	Member
5	A.O. / D.A.O. / A.A.O. (Concerned)	Member/Secretary

The office of the Director Design shall be headquarter for Procurement Committee-I

The Concerned Superintending Engineer shall maintain the record of Procurement proceedings as required under Rule-9 of SPPRA-2010

This issues on the recommendation of Chief Engineer (IPD)/D.M.D (Planning) KW&SB and with the approval of Managing Director, KW&SB vide para 5/N

  
14/4/2016  
SR. DIRECTOR (HR)  
KW&SB

## DISTRIBUTION

- 1 Dy. Managing Director (TS) /C.E. (BT&D)/C.E (WTM) KW&SB
- 2 Dy. Managing Director (Planning) / C.E (IPD) KW&SB
- 3 Chief Engineer (W/S) KW&SB
- 4 Director Design & Estimate/Convener / Chairman Committee
- 5 All Members of the Committee.
- 6 Sr. Director (Finance) KW&SB
- 7 Director (IT) KW&SB
- 8 Director (I&C) M.D Sectt: KW&SB
- 9 Staff Officer to Vice Chairman, KW&SB
- 10 AD (LFA) KW&SB
- 11 AO (ESTT) KW&SB
- 12 AO (Budget) KW&SB
- 13 IAO-II KW&SB
- 14 Office Copy
- 15 Master File.

c.c. to Managing Director, KW&SB

OO-2016

  
19/4/2016



KARACHI WATER & SEWERAGE BOARD  
HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021 - 99231464 - 021 - 99231463

No. KW&SB/D.M.D/HRD&A/919

Dated, 22-10-2015

OFFICE ORDER

With immediate effect, for compliance of Rule-31 of SPPR, A Complaint Redressal Committee (CRC) is constituted comprising of the following.

- |    |  |                  |
|----|--|------------------|
| 1. | Dy. Managing Director (Finance), KW&SB     | Convener         |
| 2. | Chief Engineer (Korangi), KW&SB            | Member/Secretary |
| 3. | Chief Engineer (Central), KMC              | Member           |
| 4. | Director Administration, KMC               | Member           |
| 5. | Divisional Accounts Officer (South), KW&SB | Member           |

This issues on the recommendation of Dy Managing Director (TS) KW&SB, Dy Managing Director (Planning), KW&SB and with the approval of Managing Director, KW&SB.

  
(Syed Shakeel Ahmed)  
Dy. Managing Director (HRD&A)  
KW&SB

DISTRIBUTION

1. Dy. Managing Director (TS) KW&SB
2. Dy. Managing Director (Finance) KW&SB/Convener Committee
3. Dy. Managing Director (Planning) KW&SB
4. Chief Engineer, Korangi, KW&SB/Member/Secretary Committee
5. Chief Engineer, Central, KMC/Member of the Committee
6. Director Administration, KMC/Member of the Committee
7. Divisional Accounts Officer (South) KW&SB
8. Director (IT) KW&SB
9. Director Personnel, KW&SB
10. Director Administration, KW&SB
11. AD (LFA) KW&SB
12. AO (ESTT) KW&SB
13. Office Copy
14. Master File

c.c. to Managing Director, KW&SB



**KARACHI WATER & SEWERAGE BOARD**  
HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021 - 99231464 - 021 - 99231463

No KW&SB/D M.D/HRD&A/1259

Dated 23<sup>rd</sup> November, 2016

**CORRIGENDUM**

In pursuance of office order No. KW&SB/D M.D/HRD&A/919, dated 22-10-2015 regarding constitution of Complaint Redressal Committee (CRC) for compliance of Rule-31 of SPPRA, and Corrigendum No KW&SB/HRD&A/D M.D/944, dated 30.10.2015, Syed Iftikhar-ul-Hassan, D.A.O., A.G. Sindh may be read as Member instead of Sr. Director (HRM) KMC as Member.

This issues with the approval of Managing Director, KW&SB

  
Dy. Managing Director (HRD&A)  
KW&SB

**DISTRIBUTION**

1. Dy. Managing Director (TS) KW&SB
2. Dy. Managing Director (Planning) KW&SB
3. Sr. Director (Finance), KW&SB / Convener Committee
4. Chief Engineer, Korangi, KW&SB / Member/Secretary
5. Chief Engineer, Central, KMC / Member
6. Syed Iftikhar-ul-Hassan, D.A.O., A.G. Sindh / Member
7. Divisional Accounts Officer (South), KW&SB / Member
8. Sr. Director (HRM), KMC
9. S.E. East, KW&SB
10. Director (IT) KW&SB
11. Director Administration, KW&SB
12. Executive Engineer, (Sew-II), Jamshed Town, KW&SB
13. AD (LFA) KW&SB
14. AO (ESTT) KW&SB
15. Office Copy
16. Master File


c.c. to Managing Director, KW&SB

## PROPOSAL OF PROCUREMENT PLAN OF SEWAGE TREATMENT PLANT NO.II FOR THE YEAR 2017-18

S.NO	DESCRIPTION OF PROCUREMENT	QUANTITY WHERE APPLICABLE	ESTIMATED UNIT COST WHERE APPLICABLE	ESTIMATED TOTAL COST	FUNDS ALLCATED	SOURCES OF FUND ADP/Non ADP	Proposed Procurement method	Timing of procuremei			
1	Supply of Materials/procurement of miscellenous items.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
2	Repair maintenance of Raw sewage pump #01 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
3	Repair maintenance of Raw sewage pump #02 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
4	Repair maintenance of Raw sewage pump #03 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
5	Repair maintenance of Raw sewage pump #04 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				


  
**AYAZ HUSSAIN TUNIO**  
 Executive Engineer (TP-II)  
 Karachi Water & Sewerage Board

S.NO	DESCRIPTION OF PROCUREMENT	QUANTITY WHERE APPLICABLE	ESTIMATED UNIT COST WHERE APPLICABLE	ESTIMATED TOTAL COST	FUNDS ALLCAT ED	SOURCES OF FUND ADP/Non ADP	Proposed Procurement method	Timing of procurement			
6	Repair maintenance of Raw sewage pump #05 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
7	Repair maintenance of Raw sewage pump #06 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
8	Repair maintenance of Raw sewage pump #07 Centrifugal non-clogging type coupled 110 kw electrical motor i/c. P/F of Bearing and allied works at PS-I STP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
9	Major overhauling/repairing and maintenance of 320 KVA diesel Generating set at PS-II Korangi.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
10	Major overhauling/repairing and maintenance of 500 KVA diesel Generating set at PS-I Mehmoodabad.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				

  
 YAZ HUSSAIN YUNO  
 Executive Engineer (TP-III)  
 Karachi Water & Sewerage Board



	DESCRIPTION OF PROCUREMENT	QUANTITY WHERE APPLICABLE	ESTIMATED UNIT COST WHERE APPLICABLE	ESTIMATED TOTAL COST	FUNDS ALLOCATED	SOURCES OF FUND ADP/NON ADP	PROPOSED PROCUREMENT METHOD	TIMING OF PROCUREMENT			
11	R/M and overhauling of 85 HP KSB pump #4 at PS-II Korangi.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
12	R/M and overhauling of 85 HP KSB pump #5 at PS-II Korangi.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
13	R/M of submersible pump 63 KW pump No.1 at PS-II Korangi.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
14	R/M of submersible pump 63 KW pump No.2 at PS-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
5	R/M of submersible pump 63 KW pump No.3 at PS-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope				
6	R/M of submersible pump 63 KW pump No.4 at PS-II	Copy attached	Copy attached		KW&SB	Non ADP					
7	HT Transformer 1250 KVA at power house Mehmoodabad PS-I	Copy attached	Copy attached		KW&SB	Non ADP					

  
 AYAZ HUSSAIN TUNIO  
 Executive Engineer (TP-II)  
 Karachi Water & Sewerage Board

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18	HT Transformer 1250 KVA at power house Korangi.PS-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope			
19	R/M of 11 KVA high tension VCB Trolley #1,2,3 of power house including P/F of allied accessories at STP-II.	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope			
20	Urgent Repairing work of pump type John Deere (75 KVA) diesel engine shifted from CPS under TP-II	Copy attached	Copy attached		KW&SB	Non ADP	Single stage one envelope			
21	Repairing & maintenance /overhauling of 7.5 MGD (KSB) pump # 5 including rewinding of pumps motor (slipring type) at ps-II, korangi industrial area STP-II.	Copy attached	Copy attached	Rs,8,87,505/-	KW&SB	Non ADP	Single stage one envelope	✓		

  
 AYAZ HUSSAIN TUNIO  
 Executive Engineer (TP-II)  
 Karachi Water & Sewerage Board

## STANDARD BIDDING DOCUMENT

### PROCUREMENT OF WORKS

*(For Contracts Costing upto Rs 2.5 MILLION)*

*Standard Bidding Document* is intended as a model for admeasurements (Percentage Rate/unit prices or unit rates in a Bill of Quantities) types of contract. The main text refers to admeasurements contracts.

  
AYAZ HUSSAIN TUNIO  
Executive Engineer (TP-II)

## Instructions to Bidders/ Procuring Agencies.

### General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and Bidding Data.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

**1. Notice Inviting Tender/ Invitation for Bid:** All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

**2. Content of Bidding Documents:** It must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

**3. Fixed Price Contracts:** The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

**4. Right of Rejection;** The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of PPRA Rules.

**5. Conditional Offer:** Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time



allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. **Measurements:** All works shall be measured by standard instruments according to the rules.

7. **Evidence of Eligibility:** Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.

8. **Late submission of bids:** Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.

9. **Eligibility criteria:** Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills 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.

10. **Bid security:** Bid without bid security of required amount and prescribed form shall be rejected.

11. **Arithmetical errors:** Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;

- (A) **In case of schedule rates,** the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
- (B) **In case of item rates,** if there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.



### 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 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.

(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 commencement order, 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.

#### **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 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.

- (ii) If the Engineer considers that 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 and 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.

**Clause – 14: Measures for prevention of fire and safety measures.** The contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Executive Engineer. When such permit is given, and also in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour shall be paid by him.

**Clause – 15: Subcontracting.** The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

**Clause – 16: Disputes.** All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, the decision of the Superintending Engineer of the circle/officer one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

**Clause – 17: Site Clearance.** On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer in-charge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

**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

Contractor

  
AYAZ HUSSAIN JUNIO  
Executive Engineer/Procuring Agency  
Executive Engineer (TP-II)  
Karachi Water & Sewerage Board



## BILL OF QUANTITY

**SUBJECT: REPAIRING AND MAINTENANCE /OVERHAULING OF 7.5 MGD (KSB) PUMP # 5 INCLUDING REWINDING OF PUMPS MOTOR (SLIPRING TYPE) AT PS-II KORANGI INDUSTRIAL AREA, STP-II, KW&SB.**

S. #	Description of Work	Qty	Rate (Rs.)	Per	Total (Rs.)
1	Complete dismantling of pump #5 (7.5 MGD) vertical non-clogging pump i/c shafts, joints, motor etc. complete. In the depth of 30 feet deep Basement at PS-II Korangi.	01 Job		Each	
2	P/F Stainless Steel Sleeves size 6" dia and inner 4" dia sleeve length 8" with different grooves, caller and other machining etc. complete as per sample	01 No.		Each	
3	P/F Impeller Chuck nut flat-to-flat length 6" and inner 3.5" with thread 2" thickness of Nut as per sample.	01 No.		Each	
4	P/F gun metal bush of pump gland outer size 50 mm (6" inches) and inner 100 mm dia (4" inches) and 80mm (3.2 inches) long with grease holes, grease grooves etc with fitting in gland plate etc complete as per sample.	01 No.		Each	
5	P/F mild steel coupling pins ¾" and 4" long making threads of one and drilling on one end for quarter pin, washer one 1½" and Nuts etc complete as per sample.	24 Sets		Each	
6	P/F rubber coated steel bushes size (38x40x20) length 2", outer 2", inner ¾", and rubber quoting ½" thick with Nuts and bolts etc as per sample.	24 Sets		Each	
7	P/F oil seals specified size 90 x 110 x 12mm as per sample.	4 Nos.		Each	
8	P/F Gland Flange studs 1" dia and 6" long with 2 Nos. Nuts for each stud with washer etc complete as per sample	02 Sets		Each	
9	P/F C.I Gland Flange outer 6" inner 4 ½" casting machining as per sample.	02 Nos.		Each	
10	i) P/F Roller Bearing No. 324 ECJ for Pump as per sample (2 Nos. for each pump) i/c taxes ii) P/F Ball Bearing No. 6317 for pump as per sample (2 Nos. for each pump) i/c taxes iii) P/F Roller Bearing (Double Row) No. 22318 for pump extension shafts as per sample (4 Nos. for each pump) i/c taxes	01 No 02 Nos. 02 Nos.		Each Each Each	
11	Repairing of Pump Shaft in Stainless Steel Non-magnetic shaft 4 ½" inches and 4-5' ft long, all damaged portions with same filling base i/c shoulder turning, threading, key grooves etc complete as per sample.	01 No.		Each	
13	Repairing of C.I Driving Pulleys 12" dia outer and inner 3 ¼" dia height of pulleys 15" with 12 Nos. of holes 1 ¼" for rubber coated bushes and coupling pin one set have male and female pulley each pump have 2 sets	02 Sets		Each	
14	Repairing of balancing of pump impeller box type non clogging 24" and inner 3" welding with C.I electrode and machining, grinding etc. complete and making good condition impeller mouth and other damages as per directed by engineer in-charge.	01 Job		Each	



S. #	Description of Work	Qty	rate
15	Dismantling & Refitting of 16" (450mm) sluice valve (suction) which fitted 30' ft deep dry well replacing defectives part and all worn out nuts and bolts i/c repairing of spindle seat, shutter etc complete as per directed ny engineer in-charge.	01 Job	each
16	Dismantling & Refitting of 16" sluice valve after repairing on delivery line in 30 feet deep dry well replacing all defectives parts and worn out nuts and bolts i/c repairing of spindle, seat, shutter etc complete as per directed by engineer in-charge	02 Jobs	each
17	Repairing of 16" non return valve i/c dismantling & refitting in 30' ft deep dry well after replacing all defectives parts seat, flapping plate hanging pin, main shaft, side flange and all worn out nuts & bolts etc complete as per directed by engineer in-charge.	02 Jobs	each
18	P/F 85 HP motor Bearing No. NU 319 (Roller Bearing) as per sample.	04 Nos.	each
19	P/F 400 Amperes fusers make ABG as per sample 3 Nos. for each pump control panel.	06 Nos.	each
20	P/F Carbon holder (made of copper) with nuts and bolts in copper as per sample.	12 Nos.	each
21	P/F Carbon (brushers) made of 80% mixed and carbon, required size as per sample.	12 Nos.	each
22	<b>6 Poles, 950 RPM</b> Rewinding of Electrical Motor 3 Phase, 400,440 volts 50 cycles with best quality insulated copper wire of required guage i/c testing on load with satisfactory result up to one weeks time opening and refitting and replacing the bolts is necessary excluding the cost of worn out material 100 HP.	100 BIP	each
23	Complete refitting of pump #5 (7.5MGD) vertical non clogging pump i/c shafts, joints, motor etc complete. In the depth of 30 feet deep basement at PS-II Korangi.	01 Job	job
<b>Total Amount</b>			

  
 Executive Engineer  
 STP-II KW&SB (TP-II)  
 Karachi Water & Sewerage Board

I/we hereby quoted Rs: \_\_\_\_\_ for execution of  
 above mentioned work and bind to comply the rules of KW&SB

Signature of Contractor  
 With name of the firm