



# OFFICE OF THE EXECUTIVE ENGINEER PUBLIC HEALTH ENGINEERING DIVISION THATTA

Fax: No. 0298-772003  
E-Mail: xenphedthatta@gmail.com

No: TC/2819, THATTA Dated: 18 / 04 / 2018

To,

The Assistant Manager,  
In-charge (Receipt Section),  
Sindh Public Procurement Regulatory Authority,  
**KARACHI.**

**SUBJECT: NOTICE INVITING TENDERS.**

It is inform a copy of Tender Notice No.PHE/TC/2817, Dated:18/04/2018 (1 No) i/c Bid documents is submitted herewith for putting it on Government of Sindh's Web Site for wide publicity. The hoisting Fee of Rs.2000/- (Rupees Two Thousands) only, is submitted vide No.01901653 Dated:19.04.2018 in shape of Demand Draft for your persual.

Your kind co-operation will be highly appreciated.

D.A/

1. N.I.T (01 No)

2. Demand Draft Rs.2000/-

3. Notification of Procurement Committee

4. Notification of Complaint Redressed Committee

5. Annual Procurement Plan for the year-2017

6. Complete Set of Bidding Documents

( **AIJAZ AZAM** )

EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA

Copy forward with Complements to the:-

- The Chief Engineer Public Health Engineering Department Govt: of Sindh Hyderabad for his kind information.
- The Superintending Engineer Public Health Engineering Circle Hyderabad for his kind information.
- The Member Procurement Committee for information.
- Copy to Notice board for wide publicity.

8319  
20/04/2018



E-Mail Address  
xen\_phed\_thatta@yahoo.com

**OFFICE OF THE  
EXECUTIVE ENGINEER PUBLIC HEALTH  
ENGINEERING DIVISION THATTA**

NEAR SESSION COURT & S.P OFFICE THATTA @ MAKLI  
No: PHE/TC/ 2817 of /2018 THATTA Dated: 18 / 04 / 2018

**NOTICE FOR INVITING TENDERS**

Sealed Tenders for the following works on SPPRA Standard Bidding documents are Re-Invited from the Bidders / Firms meeting eligibility as per Sindh Public Procurement Regulatory Authority Rules 2010 amended 2017.

S.#	Name of Work	Estimated Cost (in Million)	2% Bid Security	Tender Fee	Time of Completion
01.	Providing Laying Jointing & Testing 8"dia P.E. Pipe Rising main for Water Supply Scheme Golo Dal (Part-I) for Water Supply Schemes at UC Dhabeji Taluka Mirpur Sakro and UC's Tando Hafiz Shah and Oungar Taluka Thatta District Thatta.	3.585	71700	2000	06 Months
02	Construction of Oxidation Pond & C.C.Pavement for PMA NUR Goth at Village Gujjo District Thatta	1.700	34000	1000	01 Month
03	Construction of Oxidation Pond & Surface Drain i/c C.C.Pavement for Drainage Scheme Buhara Taluka Mirpur Sakro District Thatta.	3.200	64000	2000	01 Month
04	Construction of Storm Water Drains for Rehabilitation of Drainage Scheme Mirpur Sakro District Thatta.	3.508	70200	2000	02 Months
05	Construction of Oxidation Pond, Open Surface Drains Type-I, II & III i/c Cement Concrete Pavement for Drainage System Baghan City U.C. Keti Bunder District Thatta.	2.200	44000	1000	01 Month
06	Construction of Oxidation Pond, Surface Drains, Cement Concrete Pavement, Rising Main & RCC Sewer for Rehabilitation of Drainage Scheme Ghulamullah District Thatta.	4.000	80000	3000	01 Month

The Blank Tender forms can be obtained from office of the undersigned on any working day during office hours upto 01:00 pm of 07-05-2018 on payment of tender fee, specified against each work.

The Tender will be received back on 08-05-2018 upto 01.00 pm and opened on the same day at 2.00 pm in presence of the contractors or their authorized agents before Procurement Committee in this office. If the undersigned is out of Head Quarter, the tender will be opened on next working day. Earnest Money shall be in favour of Executive Engineer, Public Health Engineering Division Thatta. The documents will be required as per SPPRA Rules; otherwise the tender will not be entertained without 2% of Bid Cost.

**The Bidders who will provide following documents / information are eligible to participate as per SPPRA Rules 2010 amended upto date.**

- Financial stability certificate issued by a scheduled Bank 3 year's turnout.
- Affidavit that the Bidder has not been black listed by any Government / Semi Government / Autonomous Body.
- NTN Certificate from FBR including CNIC.
- SBR Certificate from Sindh Board of Revenue.
- The PEC are not applicable for the works upto the Estimated Cost 4.000 Million.

**That the Tender Documents shall be issued to the Bidders, who fulfill the criteria mentioned in the NIT.**

**Received Date & Time 2<sup>nd</sup> Attempt**

In case of un-responded tenders or any other fact the next date of issue will be upto 01:00 pm of 23-05-2018 & will be received back on 24-05-2018 at 1.00 pm and opened at 2.00 pm," on the same day. In case of ublic Holiday, the bids shall be submitted and opened as per schedule on the next working day" or intimated Local Corrigendum on the Notice Board, respectively at same time with similar conditions. Earnest Money shall be in favour of Executive Engineer, Public Health Engineering Division Thatta. The documents will be required as per SPPRA Rules; otherwise the tender will not be entertained without 2% of Bid Cost. The contractors are not allowed to with draw their earnest money till the period as specified in agreement is exhausted. The programme for un-responded works will be as under.

Conditional or Telegraphic Tenders will not be entertained

**"The Procuring Agency may reject all or any bids subjected to the relevant provisions of SPPRA Rules 2010 ammended uptodate"**

The work order of the successful contract will be issued on receipt of funds from the Government.

*Ajaz*  
**( AIJAZ AZAM )**  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA

Copy forwarded with compliments for his kind information to:-

1. The Chief Engineer, Public Health Engineering Department Government of Sindh Hyderabad for his kind information.
2. The Director, Information Public Relation Department Government of Sindh, Block No.96 Sindh Secretariat Karachi along with (7) Seven Copies for publication in at least three languages leading news papers, i.e. Sindhi, Urdu & English.
3. The Director (C.B) Sindh Public Procurement Regulatory Authority (SPPRA) Government of Sindh Barrack No.08 Secretariat No.04-A, Court Road Karachi. Along with demand draft No. \_\_\_\_\_ amounting to Rs.2000/- in the name of Director (A&F) SPPRA Government of Sindh.
4. The Superintending Engineer, Public Health Engineering Circle Hyderabad for his kind information.
5. The Members of Procurements Committee for information.
6. Assistant Engineer's (All), Under Public Health Engineering Division Thatta for information.
7. Copy to All Head of Branches PHE Division Thatta for information.
8. Copy to Notice Board for Local Publicity.
9. Copy to office file.

*Ajaz*  
**( AIJAZ AZAM )**  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA

**(Annexure-A)**

**PROCUREMENT PLAN (Development)**

Serial No/ ADP No:	Name of Scheme & Estimated Cost	Allocated Funds	Cost of ongoing works (Expenditure already incurred)	Funds ongoing works	Cost of new works (components)	Funds for New works	Nature of Procurement	Method of Procurement	Anticipated / Actual Date of Advertisement	Anticipated/ Actual Date of Start	Anticipated/ Actual Date of Completion
1	2	3	4	5	6	7	8	9	10	11	12
1	Providing Laying Jointing & Testing 8"dia P.E. Pipe Rising main for Water Supply Scheme Golo Dal (Part-I) for Water Supply Schemes at UC Dhabeji Taluka Mirpur Sakro and UC's Tando Hafiz Shah and Oungar Taluka Thatta District Thatta.	30.000	61.147	4.300	<b>(Rs.3.585 M)</b> 1.Rising Main 8" dia 3600 Rft	2.000	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	12-2018
2	Construction of Oxidation Pond & C.C.Pavement for PMA NUR Goth at Village Gujjo District Thatta	1.086	6.928	0.000	<b>(Rs.1.700 M)</b> 1.Oxidation Pond (50'x25) (03 Nos) 2.C.C.Pavement 1800 Rft	1.700	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	06-2018
3	Construction of Oxidation Pond & Surface Drain i/c C.C.Pavement for Drainage Scheme Buhara Taluka Mirpur Sakro District Thatta.	26.172	37.074	2.000	<b>(Rs.3.200 M).</b> 1.Oxidation Pond (94'x45) (3 Nos) 2.Surface Drains Type-I 1000 Rft 3.Surface Drains Type-II 500 Rft 4.Surface Drains Type-II 300 Rft 5. C.C.Pavement 2500 Rft	3.200	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	06-2018
4	Construction of Storm Water Drains for Rehabilitation of Drainage Scheme Mirpur Sakro District Thatta	25.000	35.820	20.000	<b>(Rs.3.508 M).</b> 1.Storm Water Drain 500 Rft	3.508	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	07-2018

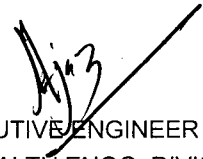
Serial No/ ADP No:	Name of Scheme & Estimated Cost	Allocated Funds	Cost of ongoing works (Expenditure already incurred)	Funds ongoing works	Cost of new works (components)	Funds for New works	Nature of Procurement	Method of Procurement	Anticipated / Actual Date of Advertisement	Anticipated/ Actual Date of Start	Anticipated/ Actual Date of Completion
1	2	3	4	5	6	7	8	9	10	11	12
5	Construction of Oxidation Pond, Open Surface Drains Type-I, II & III i/c Cement Concrete Pavement for Drainage System Baghan City U.C. Keti Bunder District Thatta	15.610	28.564	3.000	(Rs.2.200 M) 1.Oxidation Pond (80'x45) (3 Nos) 2.Surface Drains Type-I 1000 Rft 3.Surface Drains Type-I 500 Rft 4. C.C. Pavement 1200 Rft	2.200	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	06-2018
6	Construction of Oxidation Pond, Surface Drains, Cement Concrete Pavement, Rising Main & RCC Sewer for Rehabilitation of Drainage Scheme Ghulamullah District Thatta	25.058	34.422	3.800	(Rs.4.00 M) 1.Oxidation Pond (90'x50') (3 Nos) 2.A.C Rising Main 6" dia 3000 Rft 3. RCC Sewer 12" dia 300 Rft i/c Manhole Cover 4. Surface Drains T-I 1000 Rft ii. Surface Drains T-I 500 Rft iii. Surface Drains T-I 300 Rft 5.C.C.Pavement 2500 Rft	4.000	Execution of Construction work	Single stage Envelope	22-04-2018	After issue of work order	06/2018

  
**EXECUTIVE ENGINEER**  
**PUBLIC HEALTH ENGINEERING**  
**DIVISION THATTA**

ANNEXURE-II  
PROCUREMENT PLAN (Non-Development)

S. No	Found Head & Sub head	Name of work and break up	Allocated Found and break up for different locations/sites	Items to be executed	Method of Procurement	Anticipated/Actual of Advertisement	Anticipated/Actual Date of Start	Anticipated/Actual Date of Completion	Remarks
1	2	3	4	5	6	7	8	9	10

-----NIL-----

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG. DIVISION  
THATTA



**OFFICE OF THE  
EXECUTIVE ENGINEER PUBLIC HEALTH  
ENGINEERING DIVISION THATTA**

Fax: No. 0298-772003  
E-Mail: xenphedthatta@gmail.com

No:TC/ 2799 THATTA Dated: 16 / 04 / 2018

To,

**The Deputy Commissioner,  
THATTA**

**SUBJECT: CONSTITUTION OF PROCUREMENT COMMITTEE VIDE NOTIFICATION NO.SO(T)/PHE/SPPRA RULES/2013 (PT-II) DATED:27.01.2017.**


Reference: Chief Engineer PHE Deptt: Govt. of Sindh Hyderabad Office letter No.DB/704, Hyderabad Dated:13/04/2018.

In compliance to the Chief Engineer PHE Deptt: Govt. of Sindh Hyderabad vide above referred letter has desired that Deputy Commissioner Thatta may be nominated as Chairman Procurement Committee in respect of procurements to be made by Public Health Engineering Division Thatta.

Accordingly, this office has formulated following proposal for constitution of procurement committee pursuant to the provision of Rule-7 of Sindh Public Procurement Rules-2010 (Amended-2017).

- |       |   |                      |
|-------|---|----------------------|
| (i)   | Deputy Commissioner Thatta  | (Chairman)           |
| (ii)  | Executive Engineer<br>Public Health Engineering<br>Division Thatta          | (Secretary / Member) |
| (iii) | Assistant Engineer<br>Public Health Engineering<br>Sub-Division No-I Thatta | (Member)             |

This proposal is submitted for information and necessary assent.

  
(AIJAZ AZAM)  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA

**Copy Forwarded with Compliments for favour of information to:-**

1. Chief Engineer Public Health Engineering Department Government of Sindh Hyderabad.
2. Superintending Engineer Public Health Engineering Circle Hyderabad.



NO.DB/ 704 /of/2018.  
OFFICE OF THE CHIEF ENGINEER,  
PUBLIC HEALTH ENGG. DEPTT.,  
GOVERNMENT OF SINDH,  
Hyderabad dated 13/4/2018.


To,

The Executive Engineers (All),  
Under Public Health Engineering Department,  
Government of Sindh,  
Hyderabad.

SUBJECT: CONSTITUTION OF PROCUREMENT COMMITTEE  
VIDE NOTIFICATION SO(T)/PHE/SPPRA RULES 2013  
(PT) DATED.27.10.2017.

Find enclosed herewith the copy of letter  
No.SO(T)PHE/SPPRA Rules/2013 dated.12<sup>th</sup> April 2018 received from worthy  
Secretary PHE, RD Department Government of Sindh Karachi being self explanatory.

You are directed to go through the contents of letter and furnish  
new proposal in the light of directives given in the letter within two days positively  
for onward transmission to high ups for necessary action.

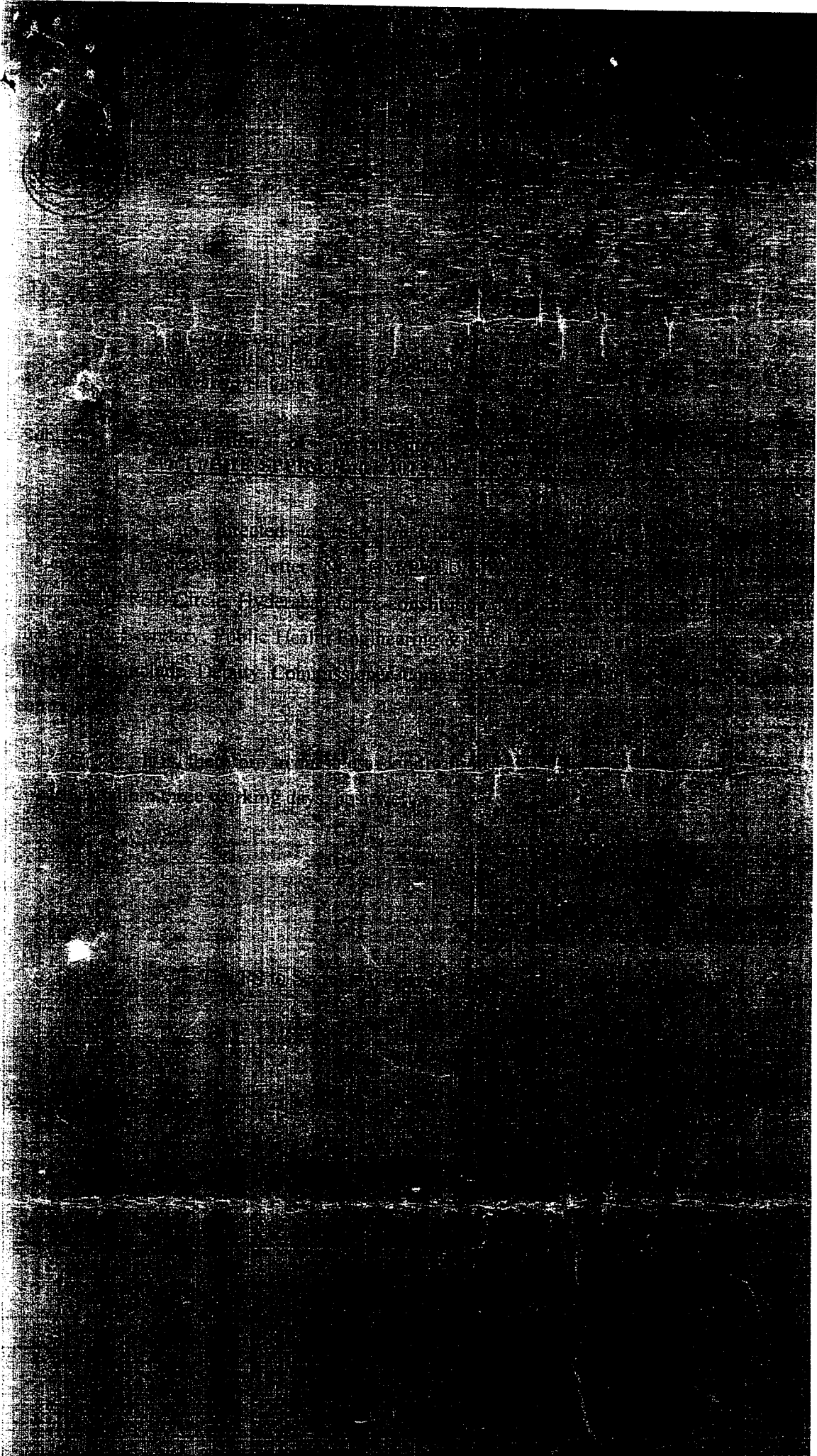
  
(NAFEES AHMED SHAIKH)  
CHIEF ENGINEER  
PUBLIC HEALTH ENGG.DEPTT.,  
GOVERNMENT OF SINDH, HYDERABAD.

C.C to the:-

Secretary Public Health Engineering & Rural Development  
Department Government of Sindh Karachi for kind  
information.

Superintending Engineer PHE Circle Hyderabad / Mirpurkhas  
for information and necessary action. He is requested to ensure  
the compliance from Executive Engineer concerned under your  
jurisdiction.







OFFICE OF THE CHIEF ENGINEER  
PUBLIC HEALTH ENGG: DEPARTMENT  
GOVERNMENT OF SINDH

NO: GM/PHED/ 1868 /2017.  
Hyderabad dated 21/7 /2017.

Ph: 022-9210410.  
Fax: 022-9210411.  
ce.phed.hydr@gmail.com

**OFFICE ORDER:**

In Exercise of the power confirmed under Rule 31 of the Sindh public procurement Rules 2010 (amended 2013) and as recommended by the Superintending Engineer, Public Health Engg: Circle Hyderabad the following committee is hereby constituted to redress grievances / complaints that may arise during procuring proceedings in PHE Division Thatta.

Superintending Engineer PHE Circle Hyderabad.	Chairman
Executive Engineer Provincial Buildings Division Thatta.	Member
Divisional Accounts Officer PHE Division Thatta.	Member

The Committee shall act in accordance with the rule 31 of Sindh public procurement rules 2010 (amended 2013).

The previous committee notified by this office vide order No: GM/PHED/206 dated 17-02-2016 is hereby dissolved with immediate effect.

(KHALIL AHMED SOOMRO)  
CHIEF ENGINEER  
PUBLIC HEALTH ENGG: DEPARTMENT  
GOVT: OF SINDH HYDERABAD

C.C. to the:-

Manager (Assessment-IV) Sindh Public Procurement Regulatory Authority Govt: of Sindh Karachi for information.

Superintending Engineer, PHE Circle Hyderabad for information with reference to his letter No: GM/1670 dated 21-07-2017.

Executive Engineer PHE Division Thatta for information with reference to his letter No: TC/1877 dated 17-07-2017.

Executive Engineer, Provincial Buildings Division Thatta for information.

Divisional Accounts Officer PHE Division Thatta for information.

# **SPPRA BIDDING DOCUMENT**

**STANDARD FORM OF BIDDING DOCUMENT**

**FOR**

**PROCUREMENT OF WORKS**

(For Contracts (Small) amounting between Rs.2.5 million to  
Rs.50 million)

**INSTRUCTIONS TO PROCURING AGENCIES**

**INSTRUCTIONS TO PROCURING AGENCIES**  
**(Not to be included in Bidding Documents)**

**A. Basis of Documents**

These Documents have been prepared as a global document intended to be used by different agencies/users according to their requirements. This document is envisaged for National Competitive Bidding (NCB), meant for use for Works costing not more than Rs. 25 Million. These documents may be tailored according to the scope of works as well as in case of contracts on International Competitive Bidding (ICB) basis, funded by international financial institutions/donors, with payments in foreign currencies. Procuring agencies are then to tailor the relevant clauses to suit their requirements including appropriate modifications in the relevant sections of the documents in the light of SPPRA Bidding Documents for Large Works.

The Procuring Agency is expected to manage the Contract itself. The role of Engineer may be added by the Procuring Agency, if the Procuring Agency wishes to engage a consultant. The role of the Engineer with specific delegated powers under various clauses of Instructions to Bidders such as clarifications of Bid Documents, Amendment of Bid Documents, evaluation of Bids etc. and to administer the Contract under various clauses of Conditions of Contract should have been specified. The Procuring Agency will be required to set out in the specifications and drawings the full scope of work including the extent of design to be done by the Contractor, if any.

**B. Contents of Documents**

As stated in Clause IB.4 of Instructions to Bidders, the complete Bidding Documents in addition to Invitation for Bids shall comprise items listed therein including any addendum to Bidding Documents issued in accordance with IB.6. The Standard Form of Bidding Documents (for Small Contracts) includes the following:

1. Instructions to Bidders & Bidding Data
2. Form of Bid & Schedules to Bid
3. Conditions of Contract & Contract Data
4. Standard Forms
5. Specifications
6. Drawings, if any

In addition, Instructions to procuring agencies are also provided at various locations of this document within parenthesis or as a Note(s). Procuring agencies are expected to edit or finalise this document accordingly, by filling in all the relevant blank spaces and forms as per the scope of the work, deleting all notes and instructions intended to help the bidders.

The procuring agency is required to prepare the following for completion of the Bidding Documents:

- (i) Invitation for Bids

- (ii) Bidding Data
- (iii) Schedules to Bid (Samples)
- (iv) Schedule of Prices (Format)
- (v) Contract Data
- (vi) Specifications
- (vii) Drawings, if any

The Procuring agency's attention is drawn to the following while finalizing the Bidding Documents.

#### **C. Notice Inviting Tender/ Invitation for Bids/ Request for Expression of Interest**

The —Notice Inviting Tender is meant for publication of tenders for calling bids in the newspapers and SPPRA Website.

The blank spaces wherever shown are required to be filled by the Procuring Agency before issuance of Bidding Documents.

The Procuring Agency may modify para 1 of Notice Inviting Tender as per its requirements. The notice should be published so as to give the interested bidders sufficient working period for preparation and submission of bids – not less than 15 days for National Competitive Bidding and 45 days for International Competitive Bidding (SPP Rule 18).

1. The eligible bidders are defined in IB.2; the text can be amended by the Procuring Agency as deemed appropriate.
2. The non-refundable fee for the sale of Bidding Documents should be nominal so as to cover printing/reproduction and mailing costs and to ensure that only bona-fide bidders shall apply (SPP Rule 20).
3. The amount of Bid Security should be a lump sum figure or a percentage, but not less than 1% and more than 5% of bid price and should be in accordance with IB.13.1 (SPP Rule 37).
4. If the venue of receipt of bids and the opening of bids is the same, the times for receipt and opening of bids are to be entered in last Para of the Notice Inviting Tender, otherwise indicate the name, address and exact location for the opening of bids. However the date for the receipt and the opening of bids shall be same (SPP Rule 41).

#### **D. Instructions to Bidders**

These Instructions to Bidders will not be part of Contract and will cease to have effect once the Contract is signed along with Bidding Data.

The Instructions to Bidders can be used as given. Procuring agency may have to make changes under Bidding Data.

The Procuring Agency's or Engineer's Representative, if any, shall exercise powers of the Engineer/Procuring Agency under and in connection with Clauses IB.5, IB.6, IB.16, etc. In

case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly to specify the role of the Engineer by the Procuring Agency, otherwise the Engineer's reference wherever exist, except Sub-Clause 1.1.20 & Clause 15 of Conditions of Contract and Item 1.1.20 of Contract Data, shall be deleted.

#### **E. Bidding Data**

The blank spaces wherever shown in Bidding Data are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Contents of IB.10.3 may be retained or modified by the Procuring Agency.
2. Procuring Agency should insert required experience in IB.11.2.
3. Referring to IB.14.1, the period of bid validity may range from 30 to 90 days depending upon the size and nature of the works. Number of days shall be filled in as per Procuring Agency's requirements.
4. Contents of IB.16.3 to IB.16.8 may be retained or modified by the Procuring Agency in accordance with its requirements.

#### **F. Schedules to Bid**

Specimen of Schedules to Bid including format of Schedule of Prices are provided in this document. The Procuring Agency may add/delete/modify as per its requirement.

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents except those required to be provided by the Contractor.

#### **G. Conditions of Contract**

The procuring agency while preparing Contract Data, shall ensure that no Clause of Conditions of Contract is deleted and that the changes included in Contract Data shall be such as not to change the spirit of the document. Any adjustment or change in clauses of Conditions of Contract to meet specific project features shall be made with care and incorporated in Contract Data.

#### **H. Contract Data**

The blank spaces wherever shown are required to be filled by the Engineer/Procuring Agency before issuance of Bidding Documents.

1. Referring to Sub-Clause 1.1.1 of Conditions of Contract, the Engineer/Procuring Agency may add, in order of priority, such other documents as to form part of the Contract, in Sub-Clause 1.3 of the Contract Data.
2. The Procuring Agency's Representative, if any, shall exercise powers of the Procuring Agency under and in connection with Sub-Clauses 1.3, 2.3, 4.2, 4.3, 5.1, 7.3, 8.2, 9.1, 9.2, 10.1, 10.2, 10.5, 11.1, 11.5, 12.1, 13.2 and 14.1 of the Conditions of Contract. In case an Engineer has been appointed by the Procuring Agency, the aforesaid clauses may be modified accordingly by the Procuring Agency.

3. The sum insured for different insurances including minimum amount of third party insurance should be assessed by the Engineer/Procuring Agency and entered in Contract Data. Such insurance cover shall be carried out with Insurance Company having at least AA rating from PACRA / JCR in the favour of the procuring agency.
4. The time for completion of the whole of the works should be assessed by the Engineer/Procuring Agency and entered in the Contract Data.
5. The Conditions of Contract contain no overall limit on the Contractor's liability. The amount of **liquidated damages** per day of delay shall be entered by the Engineer/Procuring Agency in Contract Data. Usually the liquidated damages are set between **0.05 percent and 0.10 percent per day and the maximum limit as 10 percent of contract price stated in the Letter of Acceptance.**
6. Any amendment and/or additions to the Conditions of the Contract that are specific to a given Bid/Contract should be included by the Procuring agency. This may include but not be limited to the provisions regarding the following:
  - a) Terms of Payment should be prepared and incorporated in Contract Data by the Engineer/Procuring Agency.
  - b) The Engineer/Procuring Agency to make sure that all taxes and duties are included by the Bidders/Contractors in their prices.

**I. Specifications**

To be prepared and incorporated by the Engineer/Procuring Agency

**J. Drawings**

To be prepared and incorporated by the Engineer/Procuring Agency, if required.



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**INVITATION FOR BIDS**

## INVITATION FOR BIDS

Date: \_\_\_\_\_

Bid Reference No.: \_\_\_\_\_

1. The Procuring Agency, \_\_\_\_\_ [enter name of the procuring agency], invites sealed bids from interested firms or persons licensed by the Pakistan Engineering Council in the appropriate category( not required for works costing Rs 2.5 million or less) and/or duly pre-qualified(if pre-qualification is done for specific scheme/project) with the Procuring Agency for the Works, \_\_\_\_\_[enter title, type and financial volume of work], which will be completed in \_\_\_\_\_ [enter appropriate time period] days.
2. A complete set of Bidding Documents may be purchased by an interested eligible bidder on submission of a written application to the office given below and upon payment of a non-refundable fee of Rupees \_\_\_\_\_(Insert Amount). Bidders may acquire the Bidding Documents from the Office of the Procuring Agency, at \_\_\_\_\_(Mailing Address).
3. All bids must be accompanied by a Bid Security in the amount of Rs. \_\_\_\_\_(Rupees \_\_\_\_\_) or \_\_\_\_\_percentage of bid price in the form of (pay order / demand draft / bank guarantee) and must be delivered to \_\_\_\_\_(Indicate Address and Exact Location) at or before \_\_\_\_\_hours, on \_\_\_\_\_(Date). Bids will be opened at \_\_\_\_\_hours on the same day in the presence of bidders' representatives who choose to attend, at the same address [indicate the address if it differs].

- [Note: 1. Procuring Agency to enter the requisite information in blank spaces.  
2. The bid shall be opened within one hour after the deadline for submission of bids.]

**INSTRUCTIONS  
TO BIDDERS  
&  
BIDDING DATA**

**Notes on the Instructions to Bidders**

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 not normally included in this Section, but rather in the appropriate sections of the *Conditions of Contract* and/or *Contract Data*.

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## INSTRUCTIONS TO BIDDERS

(Note: *(These Instructions to Bidders (IB) along with Bidding Data will not be part of Contract and will cease to have effect once the Contract is signed).*)

### A. GENERAL

#### IB.1 Scope of Bid & Source of Funds

##### 1.1 Scope of Bid

The Procuring Agency as defined in the Bidding Data (hereinafter called —the Procuring Agency) wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as —the Works).

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

##### 1.2 Source of Funds

The Procuring Agency has arranged funds from its own sources or *Federal/ Provincial /Donor agency or any other source*, which may be indicated accordingly in bidding data towards the cost of the project/scheme.

#### IB.2 Eligible Bidders

2.1 Bidding is open to all firms and persons meeting the following requirements:

- a) duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works.

Provided that the works costing Rs. 2.5 million or less shall not require any registration with PEC .

- b) duly pre-qualified with the Procuring Agency. (*Where required*).

In the event that prequalification of potential bidders has been undertaken, only bids from prequalified bidders will be considered for award of Contract.

- c) if prequalification has not undertaken , the procuring agency may ask information and documents not limited to following:-
  - (i) company profile;
  - (ii) works of similar nature and size for each performed in last 3/5 years;
  - (iii) construction equipments;
  - (iv) qualification and experience of technical personnel and key site management;

- (v) financial statement of last 3 years;
- (vi) information regarding litigations and abandoned works if any.

### **IB.3 Cost of Bidding**

- 3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process (SPP Rules 24 & 25).

## **B. BIDDING DOCUMENTS**

### **IB.4 Contents of Bidding Documents**

- 4.1 In addition to Invitation for Bids, the Bidding Documents are those stated below, and should be read in conjunction with any Addendum issued in accordance with Sub-Clause IB.6.1.

1. Instructions to Bidders & Bidding Data
2. Form of Bid, Qualification Information & Schedules to Bid Schedules to Bid comprise the following:
  - (i) Schedule A: Schedule of Prices/ Bill of Quantities (BoQ).
  - (ii) Schedule B: Specific Works Data
  - (iii) Schedule C: Works to be Performed by Subcontractors
  - (iv) Schedule D: Proposed Programme of Works
  - (v) Schedule E: Method of Performing Works
  - (vi) Schedule F: Integrity Pact (works costing Rs 10 million and above)
3. Conditions of Contract & Contract Data
4. Standard Forms:
  - (i) Form of Bid Security,
  - (ii) Form of Performance Security;
  - (iii) Form of Contract Agreement;
  - (iv) Form of Bank Guarantee for Advance Payment.
5. Specifications
6. Drawings, if any

### **IB.5 Clarification of Bidding Documents**

- 5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Procuring Agency at the Engineer's/ Procuring Agency's address indicated in the Bidding Data.
- 5.2 An interested bidder, who has obtained bidding documents, may request for clarification

of contents of bidding documents in writing and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid (SPP Rule 23-1).

**IB.6 Amendment of Bidding Documents (SPP Rules 22(2) & 22).**

- 6.1 At any time prior to the deadline for submission of Bids, the Procuring Agency may, for any reason, whether at his own initiative or in response to a clarification requested by a interested bidder, modify the Bidding Documents by issuing addendum.
- 6.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 hereof, and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Procuring Agency.
- 6.3 To afford interested bidders reasonable time in which to take an addendum into account in preparing their Bids, the Procuring Agency may at its discretion extend the deadline for submission of Bids.

**C. PREPARATION OF BIDS**

**IB.7 Language of Bid**

- 7.1 All documents relating to the Bid shall be in the language specified in the Contract Data.

**IB.8 Documents Comprising the Bid**

- 8.1 The Bid submitted by the bidder shall comprise the following:
  - (a) Offer /Covering Letter
  - (b) Form of Bid duly filled, signed and sealed, in accordance with IB.14.3.
  - (c) Schedules (A to F) to Bid duly filled and initialed, in accordance with the instructions contained therein & in accordance with IB.14.3.
  - (d) Bid Security furnished in accordance with IB.13.
  - (e) Power of Attorney in accordance with IB 14.5.
  - (f) Documentary evidence in accordance with IB.2(c) & IB.11
  - (g) Documentary evidence in accordance with IB.12.

**IB.9 Sufficiency of Bid**

- 9.1 Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the premium on the rates of CSR / rates and prices quoted/entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the works.



- 9.2 The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

#### **IB.10 Bid Prices, Currency of Bid and Payment**

- 10.1 The bidder shall fill up the Schedule of Prices (Schedule A to Bid) indicating the percentage above or below the Composite Schedule of Rates/unit rates and prices of the Works to be performed under the Contract. Prices in the Schedule of Prices/Bill of Quantities shall be quoted entirely in Pak Rupees keeping in view the instructions contained in the Preamble to Schedule of Prices.
- 10.2 Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- 10.3 The unit rates and prices in the Schedule of Prices or percentage above or below on the composite schedule of rates shall be quoted by the bidder in the currency as stipulated in Bidding Data.
- 10.4 Items for 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 other rates and prices in the Bill of Quantities.

#### **IB.11 Documents Establishing Bidder's Eligibility and Qualifications**

- 11.1 Pursuant to Clause IB.8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- 11.2 Bidder must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria mentioned in the Bidding Documents.

#### **IB.12 Documents Establishing Works' Conformity to Bidding Documents**

- 12.1 The documentary evidence of the Works' conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.
- 12.2 The bidder shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers, if any, designated by the Procuring Agency in the Technical Provisions are intended to be descriptive only and not restrictive.

### **IB.13 Bid Security**

- 13.1 Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security as percentage of bid price/estimated cost or in the amount stipulated in Bidding Data in Pak. Rupees in the form of *Deposit at Call/ Payee's Order or a Bank Guarantee* issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period up to twenty eight (28) days beyond the bid validity date (*Bid security should not be below 1%.and not exceeding 5% of bid price/estimated cost SPP Rule 37*).
- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, and signed the Contract Agreement (SPP Rule 37).
- 13.5 The Bid Security may be forfeited:
- (a) if a bidder withdraws his bid during the period of bid validity; or
  - (b) if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
  - (c) in the case of a successful bidder, if he fails within the specified time limit to:
    - (i) furnish the required Performance Security or
    - (ii) sign the Contract Agreement.

### **IB.14 Validity of Bids, Format, Signing and Submission of Bid**

- 14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- 14.2 In exceptional circumstances, Procuring Agency may request the bidders to extend the period of validity for a additional period but not exceeding 1/3 of the original period. The request and the bidders' responses shall be made in writing or by cable. A Bidder may refuse the request without forfeiting the Bid Security. A Bidder agreeing to the request will not be required or permitted to otherwise modify the Bid, but will be required to extend the validity of Bid Security for the period of the extension, and in compliance with IB.13 in all respects (SPP Rule 38).
- 14.3 All Schedules to Bid are to be properly completed and signed.
- 14.4 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.

- 14.5 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in IB.8 and clearly mark them —ORIGINAL and —COPY as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.6 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorising the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.
- 14.7 The Bid shall be delivered in person or sent by registered mail at the address to Procuring Agency as given in Bidding Data.

#### **D. SUBMISSION OF BID**

##### **IB.15 Deadline for Submission, Modification & Withdrawal of Bids**

- 15.1 Bids must be received by the Procuring Agency at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 15.2 The inner and outer envelopes shall
  - (a) be addressed to the Procuring Agency at the address provided in the Bidding Data;
  - (b) bear the name and identification number of the Contract as defined in the Bidding and Contract Data; and
  - (c) provide a warning not to open before the specified time and date for Bid opening as defined in the Bidding Data.
  - (d) in addition to the identification required in 15.2, the inner envelopes shall indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared late.
  - (e) If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.
- 15.3 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- 15.4 Any bid received by the Procuring Agency after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 15.5 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.
- 15.6 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to IB.13.5 (a).

## E. BID OPENING AND EVALUATION

### IB.16 Bid Opening, Clarification and Evaluation (SPP Rules 41, 42 & 43)

- 16.1 The Procuring Agency will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and in the place specified in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Procuring Agency at its discretion may consider appropriate, will be announced by the Procuring Agency at the bid opening. The Procuring Agency will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.

Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.

- 16.3 To assist in the examination, evaluation and comparison of Bids the Engineer/Procuring Agency may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted (SPP Rule 43).

- 16.4 (a) Prior to the detailed evaluation, pursuant to IB.16.7 to 16.9, the Engineer/Procuring Agency will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these instructions, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include determining the requirements listed in Bidding Data.

- (b) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Procuring Agency in accordance with the Corrected Schedule of Prices.

If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.

- 16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.
- 16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation (**major deviation**) may be waived by Procuring Agency.

provided such waiver does not prejudice or affect the relative ranking of any other bidders.

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

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

**(B) Minor Deviations**

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

- 16.7 The Engineer/Procuring Agency will evaluate and compare only the bids previously determined to be substantially responsive pursuant to IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to IB.16.8 herein below.

**Technical Evaluation:** It will be examined in detail whether the works offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid in Schedule B to Bid will be compared with technical features/criteria of the works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work will also be reviewed.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Procuring Agency will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) making any correction for arithmetic errors pursuant to IB.16.4 hereof.

- (ii) discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.
- (iii) excluding **provisional sums** and the provisions for **contingencies** in the Bill of Quantities **if any**, but including **Day work**, where priced competitively.

#### **IB.17 Process to be Confidential**

17.1 Subject to IB.16.3 heretofore, no bidder shall contact Engineer/Procuring Agency on any matter relating to its Bid from the time of the Bid opening to the time the bid evaluation result is announced by the Procuring Agency. The evaluation result shall be announced at least seven (07) days prior to award of Contract (SPP Rule 45). The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated.

17.2 Any effort by a bidder to influence Engineer/Procuring Agency in the Bid evaluation, Bid comparison or Contract Award decisions may result in the rejection of his Bid. Whereas any bidder feeling aggrieved, may lodge a written complaint to Complaint Redressal Committee as per terms and conditions mentioned in SPP Rules 31 & 32. However, mere fact of lodging a complaint shall not warrant suspension of procurement process.

17.3 Bidders may be excluded if involved in "**Corrupt and Fraudulent Practices**" means either one or any combination of the practices given below SPP Rule2(q);

(i) —**Coercive Practice** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) —**Collusive Practice** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) "**Corrupt Practice**" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) —**Fraudulent Practice** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) "**Obstructive Practice**" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of

evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

## F. AWARD OF CONTRACT

### IB.18. Post Qualification

- 18.1 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in contractor's capacities, may require the contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided, that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that bid evaluation report.

- 18.2 The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under B.11, as well as such other information required in the Bidding Documents.

### IB.19 Award Criteria & Procuring Agency's Right

- 19.1 Subject to IB.19.2, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of the IB.18.
- 19.2 Notwithstanding IB.19.1, the Procuring Agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Procuring Agency's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders (SPP Rule 25).

### IB.20 Notification of Award & Signing of Contract Agreement

- 20.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing (—Letter of Acceptance) that his bid has been accepted (SPP Rule 49).
- 20.2 Within seven (07) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Procuring Agency and the successful bidder duly stamped at rate of ----% of bid price(updated from time to time) stated in Letter of Acceptance shall be executed within seven (07) days of the receipt of Form of Contract Agreement by the successful bidder from the Procuring Agency.

### **IB.21 Performance Security**

- 21.1 The successful bidder shall furnish to the Procuring Agency a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance (SPP 39).
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.
- 21.3 Publication of Award of Contract: within seven days of the award of contract, the procuring shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identifying the bid through procurement identifying Number if any and the following information:
- (1) Evaluation Report;
  - (2) Form of Contract and letter of Award;
  - (3) Bill of Quantities or Schedule of Requirements. (SPP Rule 50)

**IB.22 Integrity Pact** The Bidder shall sign and stamp the Form of Integrity Pact provided at Schedule-F to Bid in the Bidding Document for all Sindh Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid non-responsive (SPP Rule 89).



## 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**

EXECUTIVE ENGINEER, PUBLIC HEALTH ENGINEERING DIVISION THATTA

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5.1 (a) Procuring Agency's address:

Executive Engineer Public Health Engg: Division Thatta near session court Makli.

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(b) Engineer's address:

Executive Engineer Public Health Engg: Division Thatta near session court Makli.

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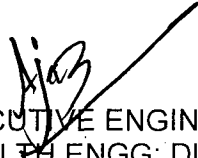
10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows: *(Insert required capabilities and documents)*

i. Financial capacity: *(must have turnover of Rs 1.0 Million);*

ii. Technical capacity: *(mention the appropriate category of registration with PEC and qualification and experience of the staff);*

iii. Construction Capacity: *(mention the names and number of equipments required for the work).*

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

- 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

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**14.1 Period of Bid Validity**

90 DAYS

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**14.4 Number of Copies of the Bid to be submitted:**

One original plus 0 copies.

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

EXECUTIVE ENGINEER, PUBLIC HEALTH ENGINEERING DIVISION, THATTA

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**15.1 Deadline for Submission of Bids**

Time: 1:00 PM on 08/05/2018

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

Venue: EXECUTIVE ENGINEER, PUBLIC HEALTH ENGINEERING DIVISION, THATTA NEAR SESSION COURT MAKLI

Time: 2:00 PM Date: 08/05/2018.

**16.4 Responsiveness of Bids**

- (i) Bid is valid till required period,

- \* (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.

\*Procuring agency can adopt either of two options. (*Select either of them*)

(a) **NOT APPLICABLE**

(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.

**FORM OF BID AND SCHEDULES TO BID**

**FORM OF BID**  
**(LETTER OF OFFER)**

Bid Reference No. As Per Nit  
\_\_\_\_\_ (A)

\_\_\_\_\_  
(Name of Works)

To:

The Executive Engineer  
Public Health Engg: Division  
Thatta.

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. M/S \_\_\_\_\_ 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 \_\_\_\_\_)only \_\_\_\_\_) 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 \_\_\_\_\_ 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 90 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

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: \_\_\_\_\_

\_\_\_\_\_

**[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
- Schedule F to Bid: Integrity Pact]

**SCHEDULE – A TO BID**

**SCHEDULE OF PRICES**

<u>Sr. No.</u>		<u>Page No.</u>
1.	Preamble to Schedule of Prices.....	24
2.	Schedule of Prices.....	26
	* (a) Summary of Bid Prices	
	* (b) Detailed Schedule of Prices /Bill of Quantities (BOQ)	

*\* [To be prepared by the Engineer/Procuring Agency]*



**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 Systeme Internationale d'Unites (SI Units).

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*(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Procuring Agency).*

**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.
- 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

## SCHEDULE - A TO BID

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.

*\*(Procuring Agency may modify as appropriate)*

- 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.

### **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.

SCHEDULE OF PRICES – SUMMARY OF BID PRICES (Sample)

Bill No.	Description	Total Amount (Rs)	
1. 2. 3. 4. 5.	<p><b>(A) Building Work</b></p> <p>Civil works Internal sanitary and water supply Electrification External Development works Miscellaneous Items</p>	<p>SCHEDULE B ATTACHED</p>	
1. 2. 3. 4.	<p><b>(B) Road Work.</b></p> <p>Earthwork Hard Crust and Surface Treatment Culverts and Bridges Miscellaneous Items</p>		
1. 2. 3. 4. 5. 6.	<p><b>(C) Public Health Engineering Works.</b></p> <p>Earthwork Subsurface Drains Pipe Laying and Man holes Tube wells, Pump houses Compound wall Miscellaneous Items</p>		
	<p>Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In words).</p>		
			<p> Executive Engineer Public Health Engg:Division Thatta.</p>

SCHEDULE OF PRICES

Item No.	Description	Quantity	Unit Rate(Rs)	Total Amount (Rs)
1. 2. 3.	<b>I. (Civil works)</b>			
1. 2. 3.	<b>II. Internal sanitary and water supply.</b>			
1. 2. 3.	<b>III. Electrification.</b>			
1. 2. 3.	<b>IV. External Development works.</b>			
1. 2. 3.	<b>V. Miscellaneous Items</b>			
<p>SCHEDULE "B" ATTACHED</p> <p><i>[Signature]</i> Executive Engineer Public Health Engg. Division Thatta..</p>				
<p>Total (to be carried to Summary of Bid Price) Add/ Deduct the percentage quoted above/below on the prices of items based on Composite Schedule of Rates.</p>				

**SCHEDULE - B TO BID**

**\*SPECIFIC WORKS DATA**

*(To be prepared and incorporated by the Procuring Agency)*

**SCHEDULE "B" ATTACHED**

  
Executive Engineer  
Public Health Engg: Division  
Thatta.

*\*(Note: The Procuring Agency shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).*

**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> )
--	--	--

NOT APPLICABLE

**Note:**

\* *The Procuring Agency should decide whether to allow subcontracting or not.*

*In case Procuring Agency decides to allow subcontracting then following conditions shall be complied with:*

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.

## **SCHEDULE – D TO BID**

### **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.

**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.



(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC  
PAYABLE BY CONTRACTORS  
(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)**

Contract No. \_\_\_\_\_ Dated \_\_\_\_\_  
Contract Value: \_\_\_\_\_  
Contract Title: \_\_\_\_\_

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

.....  
[Procuring Agency]

[Contractor]

## **CONDITIONS OF CONTRACT**

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### CONDITIONS OF CONTRACT

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## CONDITIONS OF CONTRACT

### 1. GENERAL PROVISIONS

#### 1.1 Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

##### **The Contract**

- 1.1.1 —Contract<sup>1</sup> means the Contract Agreement and the other documents listed in the Contract Data.
- 1.1.2 —Specifications<sup>1</sup> means the document as listed in the Contract Data, including Procuring Agency's requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.
- 1.1.3 —Drawings<sup>1</sup> means the Procuring Agency's drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

##### **Persons**

- 1.1.4 —Procuring Agency<sup>1</sup> means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.
- 1.1.5 —Contractor<sup>1</sup> means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Procuring Agency) any assignee.
- 1.1.6 —Party<sup>1</sup> means either the Procuring Agency or the Contractor.

##### **Dates, Times and Periods**

- 1.1.7 —Commencement Date<sup>1</sup> means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.
- 1.1.8 —Day<sup>1</sup> means a calendar day
- 1.1.9 —Time for Completion<sup>1</sup> means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

##### **Money and Payments**

- 1.1.10 —Cost<sup>1</sup> means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but

does not include any allowance for profit.

### **Other Definitions**

- 1.1.11 —Contractor's Equipment<sup>11</sup> means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.
- 1.1.12 —Country<sup>11</sup> means the Islamic Republic of Pakistan.
- 1.1.13 —Procuring Agency's Risks<sup>11</sup> means those matters listed in Sub-Clause 6.1.
- 1.1.14 —Force Majeure<sup>11</sup> means an event or circumstance which makes performance of a Party's obligations illegal or impracticable and which is beyond that Party's reasonable control.
- 1.1.15 —Materials<sup>11</sup> means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.
- 1.1.16 —Plant<sup>11</sup> means the machinery and apparatus intended to form or forming part of the Works.
- 1.1.17 —Site<sup>11</sup> means the places provided by the Procuring Agency where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.
- 1.1.18 —Variation<sup>11</sup> means a change which is instructed by the Engineer/Procuring Agency under Sub-Clause 10.1.
- 1.1.19 —Works<sup>11</sup> means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.
- 1.1.20 —Engineer<sup>11</sup> means the person notified by the Procuring Agency to act as Engineer for the purpose of the Contract and named as such in Contract Data.

### **1.2 Interpretation**

Words importing persons or parties shall include firms and organisations. Words importing singular or one gender shall include plural or the other gender where the context requires.

### **1.3 Priority of Documents**

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.



1.4 **Law**

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

1.5 **Communications**

All Communications related to the Contract shall be in English language.

1.6 **Statutory Obligations**

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

**2. THE PROCURING AGENCY**

2.1 **Provision of Site**

The Procuring Agency shall provide the Site and right of access thereto at the times stated in the Contract Data.

**Site Investigation Reports** are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.

2.2 **Permits etc.**

The Procuring Agency shall, if requested by the Contractor, assist him in applying for permits, licences or approvals which are required for the Works.

2.3 **Engineer's/Procuring Agency's Instructions**

The Contractor shall comply with all instructions given by the Procuring Agency or the Engineer, if notified by the Procuring Agency, in respect of the Works including the suspension of all or part of the works.

2.4 **Approvals**

No approval or consent or absence of comment by the Engineer/Procuring Agency shall affect the Contractor's obligations.

**3. ENGINEER'S/PROCURING AGENCY'S REPRESENTATIVES**

3.1 **Authorised Person**

The Procuring Agency shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Procuring Agency shall notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment.



### 3.2 **Engineer's/Procuring Agency's Representative**

The name and address of Engineer's/Procuring Agency's Representative is given in Contract Data. However the Contractor shall be notified by the Engineer/Procuring Agency, the delegated duties and authority before the Commencement of works.

## 4. **THE CONTRACTOR**

### 4.1 **General Obligations**

The Contractor shall carry out the works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required

### 4.2 **Contractor's Representative**

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Procuring Agency for such appointment which consent shall not be withheld without plausible reason(s) by the Procuring Agency. Such authorized representative may be substituted/ replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Procuring Agency as aforesaid.

### 4.3 **Subcontracting**

The Contractor shall not subcontract the whole of the works. The Contractor shall not subcontract any part of the works without the consent of the Procuring Agency.

### 4.4 **Performance Security**

The Contractor shall furnish to the Procuring Agency within fourteen (14) days after receipt of Letter of Acceptance a Performance Security at the option of the bidder, in the form of Payee's order /Bank Draft or Bank Guarantee from scheduled bank for the amount and validity specified in Contract Data.

## 5. **DESIGN BY CONTRACTOR**

### 5.1 **Contractor's Design**

The Contractor shall carry out design to the extent specified, as referred to in the Contract Data. The Contractor shall promptly submit to the Engineer/Procuring Agency all designs prepared by him, within fourteen (14) days of receipt the Engineer/Procuring Agency shall notify any comments or, if the design submitted is not in accordance with the Contract, shall reject it stating the reasons. The



Contractor shall not construct any element of the works designed by him within fourteen (14) days after the design has been submitted to the Engineer/Procuring Agency or which has been rejected. Design that has been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.

## 5.2 Responsibility for Design

The Contractor shall remain responsible for his bided design and the design under this Clause, both of which shall be fit for the intended purposes defined in the Contract and he shall also remain responsible for any infringement of any patent or copyright in respect of the same. The Engineer/Procuring Agency shall be responsible for the Specifications and Drawings.

## 6. PROCURING AGENCY'S RISKS

### 6.1 The Procuring Agency's Risks

The Procuring Agency's Risks are:-

- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country;
- b) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war, within the Country;
- c) riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Works;
- d) ionising radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/Sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;
- f) use or occupation by the Procuring Agency of any part of the Works, except as may be specified in the Contract;
- g) late handing over of sites, anomalies in drawings, late delivery of designs and drawings of any part of the Works by the Procuring Agency's personnel or by others for whom the Procuring Agency is responsible;
- h) a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and





- i) physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Procuring Agency and accepted by the Procuring Agency.

## 7. TIME FOR COMPLETION

### 7.1 Execution of the Works

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works, subject to Sub-Clause 7.3 below, within the Time for Completion.

### 7.2 Programme

Within the time stated in the Contract Data, the Contractor shall submit to the Engineer/Procuring Agency a programme for the Works in the form stated in the Contract Data.

### 7.3 Extension of Time

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Procuring Agency/Engineer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Procuring Agency/Engineer for a reasonable extension in the time for the completion of works. Subject to the aforesaid, the Procuring Agency/Engineer shall determine such reasonable extension in the time for the completion of works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Procuring Agency/Engineer within such period as may be prescribed by the Procuring Agency/Engineer for the same; and the Procuring Agency may extend the time for completion as determined.

### 7.4 Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Procuring Agency for such failure shall be to pay the amount as **liquidity damages** stated in the Contract Data for each day for which he fails to complete the Works.

## 8. TAKING-OVER

### 8.1 Completion

The Contractor may notify the Engineer/Procuring Agency when he considers that the Works are complete.

## 8.2 **Taking-Over Notice**

Within fourteen (14) days of the receipt of the said notice of completion from the Contractor the Procuring Agency/Engineer shall either takeover the completed works and issue a Certificate of Completion to that effect or shall notify the Contractor his reasons for not taking-over the works. While issuing the Certificate of Completion as aforesaid, the Procuring Agency/Engineer may identify any outstanding items of work which the Contractor shall undertake during the Maintenance Period.

## 9. **REMEDYING DEFECTS**

### 9.1 **Remedying Defects**

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Procuring Agency, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Procuring Agency/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid obligations, the Procuring Agency/Engineer shall issue a Maintenance Certificate whereupon all obligations of the Contractor under this Contract shall come to an end.

Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Procuring Agency to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

### 9.2 **Uncovering and Testing**

The Engineer/Procuring Agency may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor's design, materials, plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

## 10. **VARIATIONS AND CLAIMS**

### 10.1 **Right to Vary**

The Procuring Agency/Engineer may issue Variation Order(s) in writing. Where for any reason it has not been possible for the Procuring Agency/Engineer to issue such Variations Order(s), the Contractor may confirm any verbal orders given by the Procuring Agency/Engineer in writing and if the same are not refuted/denied by the Procuring Agency/Engineer within ten (10) days of the receipt of such confirmation the same shall be deemed to be a Variation Orders for the purposes of this Sub-Clause.



## 10.2 Valuation of Variations

Variations shall be valued as follows:

- a) at a lump sum price agreed between the Parties, or
- b) where appropriate, at rates in the Contract, or
- c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) at appropriate new rates, as may be agreed or which the Engineer/Procuring Agency considers appropriate, or
- e) if the Engineer/Procuring Agency so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

## 10.3 Changes in the Quantities.

- a) If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Procuring Agency/Engineer shall adjust the rate to allow for the change and will be valued as per sub clause 10.2.
- b) The Engineer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Procuring Agency.
- c) If requested by the Engineer, the contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

## 10.4 Early Warning

The Contractor shall notify the Engineer/Procuring Agency in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the Engineer/Procuring Agency being unable to keep all relevant records or not taking steps to minimise any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

## 10.5 Valuation of Claims

If the Contractor incurs Cost as a result of any of the Procuring Agency's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any

Procuring Agency's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Engineer/Procuring Agency within fourteen (14) days of the occurrence of cause.

#### 10.6 **Variation and Claim Procedure**

The Contractor shall submit to the Engineer/Procuring Agency an itemised detailed breakdown of the value of variations and claims within twenty eight (28) days of the instruction or of the event giving rise to the claim. The Engineer/Procuring Agency shall check and if possible agree the value. In the absence of agreement, the Procuring Agency shall determine the value.

### 11. **CONTRACT PRICE AND PAYMENT**

#### 11.1 (a) **Terms of Payments**

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall, subject to Clause 11.3, be paid by the Procuring Agency to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Procuring Agency and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 11.5, within 60 days after such Final Payment Certificate has been jointly verified by Procuring Agency and Contractor;

Provided that the Interim Payment shall be caused in thirty (30) days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Procuring Agency to make payment within 90 days then Procuring Agency shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum in local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid.

#### (b) **Valuation of the Works**

The Works shall be valued as provided for in the Contract Data, subject to Clause 10.

#### 11.2 **Monthly Statements**

The Contractor shall be entitled to be paid at monthly intervals:

- a) the value of the Works executed less to the cumulative amount paid previously; and
- b) value of secured advance on the materials and valuation of variations (if any).

The Contractor shall submit each month to the Engineer/Procuring Agency a statement showing the amounts to which he considers himself entitled.

### 11.3 **Interim Payments**

Within a period not exceeding seven (07) days from the date of submission of a statement for interim payment by the Contractor, the Engineer shall verify the same and within a period not exceeding thirty (30/60) days from the said date of submission by the Contractor, the Procuring Agency shall pay to the Contractor the sum subject to adjustment for deduction of the advance payments and retention money.

### 11.4 **Retention**

Retention money shall be paid by the Procuring Agency to the Contractor within fourteen (14) days after either the expiry of the period stated in the Contract Data, or the remedying of notified defects, or the completion of outstanding work, all as referred to in Sub-Clause 9.1, whichever is the later.

### 11.5 **Final Payment**

Within twenty one (21) days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Procuring Agency together with any documentation reasonably required to enable the Procuring Agency to ascertain the final contract value.

Within sixty (60) days from the date of receipt of the verified final account from the Engineer, the Procuring Agency shall pay to the Contractor any amount due to the Contractor. While making such payment the Procuring Agency may, for reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

### 11.6 **Currency**

Payment shall be in the currency stated in the Contract Data.

## 12. **DEFAULT**

### 12.1 **Defaults by Contractor**

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Engineer/Procuring Agency or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Procuring Agency may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within fourteen (14) days after receipt of the Procuring Agency's notice, the Procuring Agency may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilize from the Site leaving behind any Contractor's Equipment which the Procuring Agency instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor.



## 12.2 Defaults by Procuring Agency

If the Procuring Agency fails to pay in accordance with the Contract, or is, despite a written complaint, in breach of the Contract, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Procuring Agency's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works.

If the default is not remedied within twenty eight (28) days after the Procuring Agency's receipt of the Contractor's notice, the Contractor may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilise from the Site.

## 12.3 Insolvency

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract immediately. The Contractor shall then demobilise from the site leaving behind, in the case of the Contractor's insolvency, any Contractor's Equipment which the Procuring Agency instructs in the notice is to be used for the completion of the Works.

## 12.4 Payment upon Termination

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the works executed and of the Materials and Plant reasonably delivered to the site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Procuring Agency is entitled,
- c) if the Procuring Agency has terminated under Sub-Clause 12.1 or 12.3, the Procuring Agency shall be entitled to a sum equivalent to twenty percent (20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilisation together with a sum equivalent to ten percent (10%) of the value of parts of the works not executed at the date of termination.

The net balance due shall be paid or repaid within twenty eight (28) days of the notice of termination.

## 13. RISKS AND RESPONSIBILITIES

### 13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care



of the Works from the Commencement Date until the date of the Procuring Agency's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Procuring Agency. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Procuring Agency's Risks, the Contractor shall indemnify the Procuring Agency, or his agents against all claims loss, damage and expense arising out of the Works.

### 13.2 **Force Majeure**

If Force Majeure occurs, the Contractor shall notify the Engineer/Procuring Agency immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Procuring Agency demobilize the Contractor's Equipment.

If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Procuring Agency is entitled.

The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

## 14. **INSURANCE**

### 14.1 **Arrangements**

The Contractor shall, prior to commencing the Works, effect insurances of the types, in the amounts and naming as insured the persons stipulated in the Contract Data except for items (a) to (e) and (i) of the Procuring Agency's Risks under Sub-Clause 6.1. The policies shall be issued by insurers and in terms approved by the Procuring Agency. The Contractor shall provide the Engineer/Procuring Agency with evidence that any required policy is in force and that the premiums have been paid.

### 14.2 **Default**

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Procuring Agency may, without prejudice to any other right or



remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

## **15. RESOLUTION OF DISPUTES**

### **15.1 Engineer's Decision**

If a dispute of any kind whatsoever arises between the Procuring Agency and the Contractor in connection with the works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Procuring Agency (Superintending Engineer) and the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the work with all due diligence, and the Contractor and the Procuring Agency (Superintending Engineer) shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

### **15.2 Notice of Dissatisfaction**

If a Party is dissatisfied with the decision of the Engineer of consultant or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator.

If a contractor is dissatisfied with the decision of the Engineer of the department or decision is not given in time then he can approach Superintending Engineer within 14 days, in case of dissatisfaction with decision of Superintending Engineer or not decided within 28 days, then arbitration process would be adopted as per clause 15.3.

### **15.3 Arbitration**

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) and Rules made there under and any statutory modifications thereto. Any hearing shall be held at the place specified in the Contract Data and in the language referred to in Sub-Clause 1.5.



16.1 If the Contractor or any of his Sub-Contractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Schedule-F to his Bid, then the Procuring Agency shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Sub-Contractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Sub-Contractors, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Contractor shall demobilize from the site leaving behind Contractor's Equipment which the Procuring Agency instructs, in the termination notice, to be used for the completion of the works at the risk and cost of the Contractor. Payment upon such termination shall be made under Sub-Clause 12.4, in accordance with Sub-Para (c) thereof, after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

## CONTRACT DATA

(Note: Except where otherwise indicated, all Contract Data should be filled in by the Procuring Agency prior to issuance of the Bidding Documents.)

### Sub-Clauses of Conditions of Contract

1.1.3 Procuring Agency's Drawings, if any  
(To be listed by the Procuring Agency)

1.1.4 **The Procuring Agency** means  
EXECUTIVE ENGINEER, PUBLIC HEALTH ENGG: DIVISION THATTA.

1.1.5 **The Contractor** means  
\_\_\_\_\_  
\_\_\_\_\_

1.1.7 **Commencement Date** means the date of issue of Engineer's Notice to Commence which shall be issued within fourteen (14) days of the signing of the Contract Agreement.

1.1.9 **Time for Completion** As per NIT

(The time for completion of the whole of the Works should be assessed by the Procuring Agency)

1.1.20 **Engineer (mention the name along with the designation including whether he belongs to department or consultant) and other details**

PROCURING AGENCY (AS MENTIONED ABOVE).  
\_\_\_\_\_

1.3 **Documents forming the Contract listed in the order of priority:**

- (a) The Contract Agreement
- (b) Letter of Acceptance
- (c) The completed Form of Bid
- (d) Contract Data
- (e) Conditions of Contract
- (f) The completed Schedules to Bid including Schedule of Prices
- (g) The Drawings, if any
- (h) The Specifications
- (i) \_\_\_\_\_
- (j) \_\_\_\_\_

(The Procuring Agency may add, in order of priority, such other documents as form part of the Contract. Delete the document, if not applicable)

2.1 **Provision of Site:** On the Commencement Date

3.1 **Authorized person:** PROCURING AGENCY

3.2 **Name and address of Engineer's/Procuring Agency's representative**  
\_\_\_\_\_

4.4 **Performance Security:**

Amount NIL

Validity \_\_\_\_\_

*(Form: As provided under Standard Forms of these Documents)*

5.1 **Requirements for Contractor's design (if any):**

Specification Clause No's NO

7.2 **Programme:**

**Time for submission:** Within fourteen (14) days\* of the Commencement Date.

**Form of programme:** \_\_\_\_\_ *(Bar Chart/CPM/PERT or other)*

7.4 Amount payable due to failure to complete shall be NIL% per day up to a maximum of (10%) of sum stated in the Letter of Acceptance

*(Usually the liquidated damages are set between 0.05 percent and 0.10 percent per day.)*

7.5 **Early Completion**

In case of earlier completion of the Work, the Contractor is entitled to be paid bonus up-to limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages stated in the contract data.

9.1 **Period for remedying defects**

NOT APPLICABLE

10.2 (e) **Variation procedures:**

Day work rates NOT APPLICABLE  
\_\_\_\_\_ (details)

11.1 **Terms of Payments**

**a) Mobilization Advance**

(1) Mobilization Advance up to 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor on the works costing Rs.2.5 million or above on following conditions:



- (i) on submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency;
- (ii) Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (iii) This Advance including the interest shall be recovered in 5 equal installments from the five (05) R.A bills and in case the number of bills is less than five (05) then 1/5<sup>th</sup> of the advance **inclusive of the interest** thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

OR

2) **Secured Advance on Materials**

- (a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an INDENTURE BOND in P W Account Form No. 31(Fin. R. Form No. 2 acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
  - (i) The materials are in accordance with the Specifications for the Permanent Works;
  - (ii) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer but at the risk and cost of the Contractor;
  - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
  - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
  - (v) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Procuring Agency;
  - (vi) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;

- (vii) Secured Advance should not be allowed unless & until the previous advance, if any, fully recovered;
- (viii) Detailed account of advances must be kept in part II of running account bill; and
- (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract

(b) Recovery of Secured Advance:

- (i) Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis, but not later than period specified in the rules not more than three months (even if unutilized); other conditions.
- (ii) As recoveries are made the outstanding accounts of the items concerned in Part II should be reduced by making deduction entries in the column; —deduct quantity utilized in work measured since previous bill, equivalent to the quantities of materials used by the contractor on items of work shown as executed in part I of the bill.

(c) Interim payments: The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously.

- (i) The value of work completed comprises the value of the quantities of the items in the Bill of Quantities completed.
- (ii) value of secured advance on the materials and valuation of variations (if any).
- (iii) Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
- (v) Retention money and other advances are to be recovered from the bill submitted by contractor.

11.2 \*(a) **Valuation of the Works:**

- i) Lump sum price \_\_\_\_\_ (details), or
- ii) Lump sum price with schedules of rates \_\_\_\_\_ (details), or
- iii) Lump sum price with bill of quantities \_\_\_\_\_ (details), or
- iv) Re-measurement with estimated/bid quantities in the Schedule of Prices or on premium above or below quoted on the rates mentioned in CSR \_\_\_\_\_ (details), or/and
- v) Cost reimbursable \_\_\_\_\_ (details)

11.3 **Percentage of retention\*:** ten (10%)

11.6 **Currency of payment:** Pak. Rupees

14.1 **Insurances:** (*Procuring Agency may decide, keeping in view the nature and the scope of the work*)

**Type of cover**

The Works

**Amount of cover**

The sum stated in the Letter of Acceptance plus fifteen percent (15%)

**Type of cover**

Contractor's Equipment:

**Amount of cover**

Full replacement cost

**Type of cover**

Third Party-injury to persons and damage to property

NOT APPLICABLE

*(The minimum amount of third party insurance should be assessed by the Procuring Agency and entered).*

Workers:

\_\_\_\_\_

\_\_\_\_\_

Other cover\*:

\_\_\_\_\_

*(In each case name of insured is Contractor and Procuring Agency)*

14.2 **Amount to be recovered**

Premium plus NOT APPLICABLE percent (\_\_\_\_%).

15.3 **Arbitration\*\***

Place of Arbitration: \_\_\_\_\_

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\* (*Procuring Agency to specify as appropriate*)

\*\* (*It has to be in the Province of Sindh*)

## STANDARD FORMS

*(Note: Standard Forms provided in this document for securities are to be issued by a bank. In case the bidder chooses to issue a bond for accompanying his bid or performance of contract or receipt of advance, the relevant format shall be tailored accordingly without changing the spirit of the Forms of securities).*



**FORM OF BID SECURITY**  
(Bank Guarantee)

Guarantee No. \_\_\_\_\_  
Executed on \_\_\_\_\_

(Letter by the Guarantor to the Procuring Agency)

Name of Guarantor (Scheduled Bank in Pakistan) with  
address: \_\_\_\_\_

Name of Principal (Bidder) with  
address: \_\_\_\_\_

Sum of Security (express in words and  
figures): \_\_\_\_\_

Bid Reference No. \_\_\_\_\_ Date of Bid \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal, we the Guarantor above-named are held and firmly bound unto the \_\_\_\_\_, (hereinafter called The —Procuring Agency) in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for \_\_\_\_\_ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Procuring Agency, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
  - (a) the Principal withdraws his Bid during the period of validity of Bid, or
  - (b) the Principal does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) of Instructions to Bidders, or
  - (c) failure of the successful bidder to
    - (i) furnish the required Performance Security, in accordance with Sub-Clause IB-21.1 of Instructions to Bidders, or
    - (ii) sign the proposed Contract Agreement, in accordance with Sub-Clauses IB-20.2 & 20.3 of Instructions to Bidders,





**STANDARD BIDDING DOCUMENTS**  
**PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS)**  
For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817, Dated 18-04-2018

Name of Work:- PROVIDING LAYING JOINTING & TESTING 8" DIA P.E. PIPE RISING MAIN FOR WATER SUPPLY SCHEME GOLO DAL (PART-I) FOR WATER SUPPLY SCHEMES AT UC DHABEJI TALUKA MIRPUR SAKRO AND UC'S TANDO HAFIZ SHAH AND OUNGAR TALUKA THATTA DISTRICT THATTA (Work No.01)

Issued to M/s \_\_\_\_\_ Government Contractor

D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-2000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA

## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	Providing Laying Jointing & Testing 8"dia P.E. Pipe Rising main for Water Supply Scheme Golo Dal (Part-I) for Water Supply Schemes at UC Dhabeji Taluka Mirpur Sakro and UC's Tando Hafiz Shah and Oungar Taluka Thatta District Thatta
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 3.585 Million
(e)	Amount of Bid Security:-	Rs:-71700/-
(f)	Period of Bid Validity (Days):-	(90 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1.:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	06 Months
(l)	Liquidity Damages:-	(01% On Estimated Cost)Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK:** PROVIDING LAYING JOINTING & TESTING 8" DIA P.E. PIPE RISING MAIN FOR WATER SUPPLY SCHEME GOLO DAL (PART-I) FOR WATER SUPPLY SCHEMES AT UC DHABEJI TALUKA MIRPUR SAKRO AND UC'S TANDO HAFIZ SHAH AND OUNGAR TALUKA THATTA DISTRICT THATTA

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" RISING MAIN**

1. Excavation for pipe line in trenches and pits in Soft Soil i/c trimming and dressing side to true alignment / design section / profiles and shape leveling of bed of trenches to correct level and grade i/c laying of earth in 6" layer for construction of tanks and dressing and disposal of surplus earth within one chain as directed by Engineer In charge (P.H.S.I.No.3 P/60)  
 8" dia Pipe  
 34650 Cft @ Rs. 3600/- P%0 Cft Rs. 124740/-
  
2. Excavation for pipe line in trenches and pits in **Hard Soil** i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joints 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 wherever required lift upto 5ft (1-52mm) and lead upto one chain (30x50) (P.H.S.I.No: 3 P/61).  
 12600.00 Cft @ Rs.3900/- P: %0 Cft Rs.49140/-
  
3. Providing Laying Jointing in trenches i/c fitting and testing etc complete in all respect the high density polythelene P.E Pipe (HDPE-100) for w/s confirming ISO 4427/DIN 8074/8075 B.S 3580 PSI (PN-8) (PHSINo.F (I) P/25)  
 8" dia Pipe (200mm)  
 3600 Rft @ Rs. 691/- P: Rft. Rs.2487600/-
  
4. P.E Special 'B' Class test pressure 122 meter or 400'ft water head etc complete.
  - i. 90° Bend 8" dia  
 3 Nos @ Rs. 5431/- Each Rs. 16293/-
  
  - ii. Air valve double acting conal (SMINo.8 P/12)  
 8" dia  
 1 Nos @ Rs. 4000/- Each Rs. 8000/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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5. Butt fusion Joints (SMINo.14 P/10).

**8" DIA**

5 Joints. @ Rs. 1400/- P: Joint Rs. 7000/-

6. Supplying & Installing M.S Pipe of Various dia made out of M.S Sheet 3/16" thick cutting of welding to curvature and shape etc complete (Rate Approved).

**8" DIA**

200 Rft. @ Rs.980/20 P: Rft Rs. 196040/-

7. Manufacturing and furnishing M.S Flanged pipe 8" dia made out of M.S Sheet 3/8" thick i/c drilling holes and welding etc complete (Rate Approved).

**8" DIA**

40 Nos. @ Rs.1002/44 Each Rs. 40098/-

8. Jointing C.I M/S Flanged Pipe and specials flanged and inside at trenches i/c supplying rubber packing of the required thickness nuts and bolts with washer etc and other tools required for jointing and testing the joints to the specified pressure etc complete. (P.H.S.I. No: 1 P/40)

**8" DIA**

22 Joints @ Rs: 940/- P/ Joints Rs: 20680/-

- 9, Providing chamber -2 -1/3" x 1 1/2" ( 7 11x 457mm) inside dimension 4 (137mm) deep as per approved design for S.V 3" to 12" dia with 18" (457mm) dia inside C.I Cover and frame (wt = 1 sq ) fixed in R.C.C 1:2:4 alab 4" (102mm) thick brick machinery walls set in 1:6 cement C.C 1:3:6 in foundation (25mm) thick cement 1:2:4 flooring 1/2" dia (125mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing & fixing M.S foot rest every one foot beyond 2 1/2" ft depth curring excavation back filling and disposal of surplus etc complete. **(P.H.S.I.No: 1 P/ 40)**

2 Nos: @ Rs. 18820/- Each Rs. 37640/-

10. Refilling the excavated staff in trenches in 6" thick layers i/c watering and ramming to full compaction etc complete (P.H.S.I No. 22 P/47)

42525 Cft @ Rs. 2760/- P%0 Cft Rs. 117369/-  
Total Rs: 31,04,600/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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A B S T R A C T

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Rising main P.E.Pipe 8"dia.	31,04,600/-	--	31,04,600/-
	Total	31,04,600/-	--	31,04,600/-

Total amount of Composite Schedule items Rs:-


\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-

Total Amount of Non-Schedule items Rs:-

Total Rs:-

*In Words* \_\_\_\_\_

CONTRACTORS

  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENGINEERING  
 DIVISION THATTA



**STANDARD BIDDING DOCUMENTS**  
**PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS)**  
For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817, Dated 18-04-2018

Name of Work:- CONSTRUCTION OF OXIDATION POND & C.C.PAVEMENT FOR  
PMA NUR GOTH AT VILLAGE GUJJO DISTRICT THATTA  
(Work No.02)

Issued to M/s \_\_\_\_\_ Government Contractor

D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-2000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR  
ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES  
TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA

## **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 *Contract Data*.

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

1. 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 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. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

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. All works shall be measured by standard instruments according to the rules.
7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.
9. 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 without bid security of required amount and prescribed form shall be rejected.
11. 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.
  - (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.



## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	CONSTRUCTION OF OXIDATION POND & C.C.PAVEMENT FOR PMA NUR GOTH AT VILLAGE GUJJO DISTRICT THATTA
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 1.700 Million
(e)	Amount of Bid Security:-	Rs:-34000/-
(f)	Period of Bid Validity (Days):-	(30 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	01 Month
(l)	Liquidity Damages:-	(01% On Estimated Cost)Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

## 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 prorated 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 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.

**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 contact 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 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.

**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:Sub-contracting.** 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**

  
**Executive Engineer/Procuring Agency**



### BILL OF QUANTITIES

#### (A) Description and rate of Items based on Composite Schedule of Rates.

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1	2	3	4	5	6


Amount TOTAL (a)

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis  
Of premium quoted. TOTAL (b)

Total (A) = a+b in words & figures:

Contractor

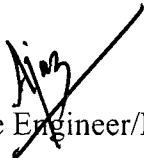
  
Executive Engineer/Procuring Agency

**(B) Description and rate of Items based on Market (Offered rates)**

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees

Total (B) in words & figures:

Contractor

  
Executive Engineer/Procuring Agency

Summary of Bill of Quantities.

Cost of Bid

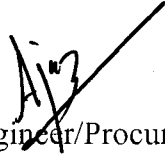
Amount

1. (A) Cost based on Composite Schedule of Rates.

2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)

Contractor

  
Executive Engineer/Procuring Agency



**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK:** CONSTRUCTION OF OXIDATION POND & C.C.PAVEMENT FOR PMA NUR GOTH AT VILLAGE GUJJO DISTRICT THATTA

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" OXIDATION POND**

- 1, Excavation for tanks and reservoir in **Soft Soil** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 1 P/67).

5765.00 Cft: @ Rs. 3000/- P%0Cft Rs. 17295/-

- 2, Excavation for tanks and reservoir in **Wet Soils Clay** or mud i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 14 P/74).

**0'-5'depth**

1312.00 Cft: @ Rs. 4800/- P%0Cft Rs. 6298/-

- 3, Excavation for tanks and reservoir in **Slushy or Daldally Soils** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 15 P/74).

576.00 Cft: @ Rs. 7200/- P%0Cft Rs. 4147/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
4,	Earth work compaction (Soft, ordinary or Hard Soil) laying earth in 6" layers. Bend	16753.00 Cft:	@ Rs. 354/-	P%0 Cft	Rs. 4255/-
5,	Extra for every 50ft additional lead or part there off.	9100 Cft:	@ Rs. 1814/04	P%0Cft	Rs. 16508/-
6,	Cement Concrete Bricks or Stone ballast 1 1/2" to 2" gauge Ratio: (1:4:8)	81.00 Cft	@ Rs. 9416/28	P% Cft	Rs.7627/-
<b><u>SUMP WELL</u></b>					
1,	Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated eath watering and ramming lift upto 5ft and load upto one chain (in ordinary soil) <u>G.S.I.No:18 P/ 4</u> )	226.08 Cft:	@ Rs. 3176/25	P%0Cft	Rs. 718/-
2,	Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4: 8) ( <u>G.S.I.No 48 : P: 16</u> )	28.26 Cft:	@ Rs. 9416/28	P% Cft	Rs. 2661/-
3,	R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatley. This rats also i/c all kinds of forms moduls lifittings shuttering curring rendering and finishing the exposed surface i/c screening and waching of shingle (a) R.C work in r-cf slab beams columns rafts lintels and other structural member laid in situ or cement 2 cft sand 4 cft shingle 1/4" to 1/8" guage etc complete. <b><u>(G.S.I.No 6-1 : P: 15 )</u></b>	198.54 Cft:	@ Rs. 337/-	P/Cft	Rs. 66908/-
4,	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/cost of binding wire also i/c removal of rust from bars. <u>(G.S.I.No: 8 (ii) : P/ 16 )</u> .	7.97 Cwt	@ Rs. 5001/70	P/Cwt	Rs. 39864/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**INTER CONNECTION**

- 1, Excavation for pipe line in trenches and pits in **Soft Soil** i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge, Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.5m)

**(P.H.S.I.No 1 : P: 60 )**

18"dia pipe

2240 Cft: @ Rs. 3600/- P:%0Cft Rs.8064/-

- 2, Providing RCC Pipe of ASTM C-76-62 T/C-76-70, 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.**(P.H.S.I.No: 1 (b) : P/ 17).**

**18"dia Pipe**

12800 Rft @ Rs. 618/- P: Rft Rs. 79104/-

- 3, Refilling the excavated staff in trenches in 6"thick layers i/c watering and ramming to full compaction etc complete (P.H.S.I.No: 24 P/77)

90% of excavated Staff.

2016 Cft @ Rs. 2760/- P:%0 Cft Rs. 5564/-

**Total Rs.259013/-**

**GROUP: "B" CEMENT CONCRETE PAVEMENT**

1. Barrow pit excavation undressed lead upto 100ft in ordinary soil. (G.S.I.NO: 3 P/ 1 )

21600 Cft @ Rs. 2117/50 P:%0Cft Rs:45738/-

2. Earth work compaction (Soft, Ordinary, Or hard Soil) laying earth in 6" layers including watering etc complete. (G.S.I.NO: 2 P/ 3 )

21600 Cft @ Rs.263/ P%0Cft Rs: 12029/-

3. Cement concrete brick or stone ballast Ratio (1:4:8) (G.S.I.No: 5 P/17)

4752 Cft @ Rs. 9416/28 P%0Cft Rs: 447462/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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4. Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:2:4 ) (G.S.I.No. 4 P/ 18 )
- 3600 Cft @ Rs:-14429/25 P%Cft Rs:-519453/-
6. Erection & removal of centering (G.S.I.No. P/ ).
- 810.00 Sft @ Rs: 2127/41 P%Sft Rs: 17232/-
7. Cartage of 100 Cft / Stone of all material like stone aggregate etc lead (2 Miles)
- 21600 Cft @ Rs: 502/13 P% Cft Rs: 108460/-

**Total Rs:1150374/**

**A B S T R A C T**

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Oxidation Pond	259013	--	259013
2.	Cement Concrete Pavement	1150374	-	1150374
	Total	1409387	--	1409387

Total amount of Composite Schedule items Rs:-

\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-

Total Amount of Non-Schedule items Rs:-

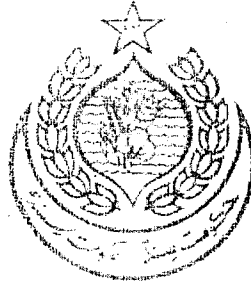
Total Rs:-

In Words \_\_\_\_\_

CONTRACTORS

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA

# PUBLIC HEALTH ENGG: DIVISION THATTA



## STANDARD BIDDING DOCUMENTS PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS) For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817 ,Dated18-04-2018

Name of Work:- CONSTRUCTION OF OXIDATION POND & SURFACE DRAIN I/C  
C.C.PAVEMENT FOR DRAINAGE SCHEME BUHARA TALUKA  
MIRPUR SAKRO DISTRICT THATTA. (Work No.03).

Issued to M/s \_\_\_\_\_ Government Contractor

D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-2000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR  
ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES  
TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA



## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	Construction of Oxidation Pond & Surface Drain i/c C.C.Pavement for Drainage Scheme Buhara Taluka Mirpur Sakro District Thatta.
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 3.200 Million
(e)	Amount of Bid Security:-	Rs:-64000/-
(f)	Period of Bid Validity (Days):-	(60 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	03 Months
(l)	Liquidity Damages:-	(01% On Estimated Cost)Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK:** **CONSTRUCTION OF OXIDATION POND & SURFACE DRAIN I/C C.C.PAVEMENT FOR DRAINAGE SCHEME BUHARA TALUKA MIRPUR SAKRO DISTRICT THATTA.**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" OPEN SURFACE DRAINS**

1. Excavation in foundation of building and other structure i/c dig belling dressing refilling around the structure with excavated earth watering and ramming lift upto 5ft and lead upto one chain (In Ordinary Soil) (G.S.I.NO: 18 P/ 18)  
  
 6855.00 Cft @ Rs. 3176/25 P:%0Cft Rs: 21773/-
2. Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:4:8 ) (G.S.I.No. P/ )  
  
 1629.00 Cft @ Rs. 11288/75 P:% Cft Rs:183894/-
3. Pucca Brick work in foundation and plinth in cement sand mortar (1:6) (G.S.S.I.NO: P/ )  
  
 4725.00 Cft @ Rs. 11948/36 P:% Cft Rs:564560/-
4. Cement Plaster 1/2" thick upto 12"height in cement sand mortar (Ratio 1:4) (G.S.I.NO : P/ )  
  
 3720.00 Sft @ Rs. 2283/93 P:% Sft Rs:84962/-
5. Construction of standard open drains cunette block of cement concrete (1:2:4) in situ to the design profiles i/c cost of modules as pr drawing i/c supplying florating coast of cement 1/3"thick to the expensed surface finishing smooth curing etc as per detailed drawing (P.H.S.I.No: E P/44).  
**Type – I**  
 1500 Rft @ Rs: 94/- P/Rft Rs: 141000/-  
**Type – II**  
 500 Rft @ Rs: 147/- P/Rft Rs: 73500/-  
**Type – III**  
 300 Rft @ Rs: 309/- P/Rft Rs: 92700/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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6. R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds of forms modules lifting shuttering shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C.C work in roof slab beams columns rafts lintels and other structural member laid in situ or pre cast laid in position in all respect ratio (1:2:4) cement 2Sft send 4Cft shingle 1/4" to 1/8" gauge etc complete. (G.S.I.No: 6 P 18).

418.00 Cft @ Rs. 337/- P: Cft Rs: 140866/-

7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire i/c removal of rust from bars. (G.S.I.No: 7 P19 ).

16.74 Cwt @ Rs: 5001/70 P/Cwt Rs: 83728/-

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**Total Rs: 1386983/-**

**GROUP: "B" C.C.PAVEMENT**

1. Barrow pit excavation undressed lead upto 100ft in ordinary soil. (G.S.I.NO: 3 P/ 1 )

30000 Cft @ Rs. 2117/50 P:%0Cft Rs:63525/-

3. Earth work compaction (Soft, Ordinary, Or hard Soil) laying earth in 6" layers including watering etc complete. (G.S.I.NO: 2 P/ 3 )

30000 Cft @ Rs.263/ P%Cft Rs: 7890/-

3. Cement concrete brick or stone ballast Ratio (1:4:8) (G.S.I.No: 5 P/17)

6600 Cft @ Rs. 9416/28 P%Cft Rs: 621474/-

4. Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:2:4 ) (G.S.I.No. 4 P/ 18 )

5000 Cft @ Rs:-14429/25 P%Cft Rs:- 721463/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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6. Erection & removal of centering (G.S.I.No. P/ ).

562.50 Sft @ Rs: 2127/41 P%Sft Rs: 11967/-

7. Cartage of 100 Cft / Stone of all material like stone aggregate etc lead (2 Miles)

30000 Cft @ Rs: 502/13 P% Cft Rs: 150639/-

**Total Rs:1576958/-**

**GROUP: "C" OXIDATION POND**

1, Excavation for tanks and reservoir in **Soft Soil** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 1 P/67).

20243.00 Cft: @ Rs. 3000/- P%0Cft Rs. 60729/-

2, Excavation for tanks and reservoir in **Wet Soils Clay** or mud i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 14 P/74).

**0'-5'depth**

17496.00 Cft: @ Rs. 4800/- P%0Cft Rs. 83981/-

3, Excavation for tanks and reservoir in **Slushy or Daldally Soils** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 15 P/74).

3494.00 Cft: @ Rs. 7200/- P%0Cft Rs. 25157/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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- 4, Earth work compaction (Soft, ordinary or Hard Soil) laying earth in 6" layers.  
Bend

66701.00 Cft: @ Rs. 354/- P%0 Cft Rs. 23612/-

- 5, Extra for every 50ft additional lead or part there off.

25468 Cft: @ Rs. 1814/04 P%0Cft Rs. 46200/-

- 6, Cement Concrete Bricks or Stone ballast 1 1/2" to 2" gauge Ratio: (1:4:8)

81.00 Cft @ Rs. 9416/28 P% Cft Rs.7627/-

**SUMP WELL**

- 1, Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated eath watering and ramming lift upto 5ft and load upto one chain (in ordinary soil) G.S.I.No:18 P/ 4).

226.08 Cft: @ Rs. 3176/25 P%0Cft Rs. 718/-

- 2, Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4: 8) (G.S.I.No 48 : P: 16 )

28.26 Cft: @ Rs. 9416/28 P% Cft Rs. 2661/-

- 3, R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatley. This rats also i/c all kinds of forms moduls lifittings shuttering curring rendering and finishing the exposed surface i/c screening and waching of shingle (a) R.C work in r-cf slab beams columns rafts lintels and other structural member laid in situ or cement 2 cft sand 4 cft shingle 1/4" to 1/8" guage etc complete.

**(G.S.I.No 6-1 : P: 15 )**

198.54 Cft: @ Rs. 337/- P/Cft Rs. 66908/-

- 4, Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/cost of binding wire also i/c removal of rust from bars.

(G.S.I.No: 8 (ii) : P/ 16 ).

7.97 Cwt @ Rs. 5001/70 P/Cwt Rs. 39864/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**INTER CONNECTION**

- 1, Excavation for pipe line in trenches and pits in **Soft Soil** i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge, Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.5m)

**(P.H.S.I.No 1 : P: 60)**

18"dia pipe

2240 Cft: @ Rs. 3600/- P:%0Cft Rs.8064/-

- 2, Providing RCC Pipe of ASTM C-76-62 T/C-76-70, 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.**(P.H.S.I.No: 1 (b) : P/ 17).**

**18"dia Pipe**

12800 Rft @ Rs. 618/- P: Rft Rs. 79104/-

- 3, Refilling the excavated staff in trenches in 6"thick layers i/c watering and ramming to full compaction etc complete (P.H.S.I.No: 24 P/77)

90% of excavated Staff.

2016 Cft @ Rs. 2760/- P:%0 Cft Rs. 5564/-

**TOTAL** **Rs:-450189/-**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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A B S T R A C T

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Oxidation Pond	450189	--	450189
2	Open Surface Drains	1386983	--	1386983
3	C.C.Pavement	1576958	--	1576958
	Total	3414130	--	3414130

Total amount of Composite Schedule items Rs:-

\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-


Total Amount of Non-Schedule items Rs:-

Total Rs:-

In Words \_\_\_\_\_

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CONTRACTORS

  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENGINEERING  
 DIVISION THATTA



**STANDARD BIDDING DOCUMENTS**  
**PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS)**  
For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817 ,Dated18-04-2018

Name of Work:- CONSTRUCTION OF STORM WATER DRAINS FOR REHABILITATION OF DRAINAGE SCHEME MIRPUR SAKRO DISTRICT THATTA. (Work No.04).

Issued to M/s \_\_\_\_\_ Government Contractor  
D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-2000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA



## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	Construction of Storm Water Drains for Rehabilitation of Drainage Scheme Mirpur Sakro District Thatta
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 3.508 Million
(e)	Amount of Bid Security:-	Rs:-70200/-
(f)	Period of Bid Validity (Days):-	(60 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	02 Months
(l)	Liquidity Damages:-	(01% On Estimated Cost)Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK: CONSTRUCTION OF STORM WATER DRAINS FOR**  
**REHABILITATION OF DRAINAGE SCHEME MIRPUR SAKRO**  
**DISTRICT THATTA.**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" STORM WATER DRAINS**

- |    |  |              |               |          |                |
|----|--|--------------|---------------|----------|----------------|
| 1. | Dismantling removing road metal ling etc complete (GSINo.51 P/13).   | 4375.00 Cft  | @ Rs. 605/-   | P:% Cft  | Rs: 26469/-    |
| 2. | Cement Concrete brick or stone ballast 1 ½" to 2" guage Ratio (1:4:8) etc complete.  | 10000.00 Cft | @ Rs. 3176/25 | P:%0 Cft | Rs: 31763/-    |
| 3. | RCC Work i/c all labour and material except the cost of steel reinforcement Ratio (1:2:4) etc complete.  | 4812.50 Cft  | @ Rs. 337/-   | P: Cft   | Rs:1621813/-   |
| b. | Precast reinforced cement concrete in columns beams seam lintel stair Shelves etc complete.  | 52.00 Cft    | @ Rs. 309/78  | P: Cft   | Rs: 16109/-    |
| c. | Errection & Fixing in position precast cement concrete.  | 52.00 Cft    | @ Rs: 41/77   | P: Cft   | Rs:2172/-      |
| 7. | Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire i/c removal of rust from bars. (G.S.I.No: 7 P19 ). | 214.84 Cwt   | @ Rs: 5001/70 | P/Cwt    | Rs: 10745665/- |
| c. | Making and Fixing grating in opening i/c fixing at site (GSINo.25 P/97).   | 30.00 Sft    | @ Rs: 293/15  | P: Sft   | Rs:8795/-      |

**Total Rs: 2958241/-**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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A B S T R A C T

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Storm Water Drain	2958241	--	2958241
	Total	2958241	--	2958241

Total amount of Composite Schedule items Rs:-


\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-

Total Amount of Non-Schedule items Rs:-

Total Rs:-

*In Words* \_\_\_\_\_

CONTRACTORS

  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENGINEERING  
 DIVISION THATTA

# PUBLIC HEALTH ENGG: DIVISION THATTA



## STANDARD BIDDING DOCUMENTS PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS) For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817, Dated:18-04-2018

Name of Work:- CONSTRUCTION OF OXIDATION POND, OPEN SURFACE DRAINS  
TYPE-I, II & III I/C CEMENT CONCRETE PAVEMENT FOR DRAINAGE  
SYSTEM BAGHAN CITY U.C. KETI BUNDER DISTRICT THATTA.  
(Work No.05).

Issued to M/s \_\_\_\_\_ Government Contractor

D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-1000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR  
ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES  
TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA

## **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 *Contract Data*.

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

1. 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 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. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

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. All works shall be measured by standard instruments according to the rules.

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

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

9. 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 without bid security of required amount and prescribed form shall be rejected.

11. 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.

(C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	Construction of Oxidation Pond, Open Surface Drains Type-I, II & III i/c Cement Concrete Pavement for Drainage System Baghan City U.C. Keti Bunder District Thatta.
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 2.200 Million
(e)	Amount of Bid Security:-	Rs:-44000/-
(f)	Period of Bid Validity (Days):-	(30 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	01 Month
(l)	Liquidity Damages:-	(01% On Estimated Cost) Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

### **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 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.

**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 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.



**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:Sub-contracting.** 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.**

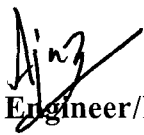
- (A) **Mobilization advance** is not allowed.
- (B) **Secured Advance against materials brought at site.**
- (i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured 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**

  
**Executive Engineer/Procuring Agency**



### BILL OF QUANTITIES

#### (A) Description and rate of Items based on Composite Schedule of Rates.

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1	2	3	4	5	6

Amount TOTAL (a)

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis  
Of premium quoted. TOTAL (b)

Total (A) = a+b in words & figures:

Contractor

Executive Engineer/Procuring Agency



**(B) Description and rate of Items based on Market (Offered rates)**

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees

Total (B) in words & figures:

Contractor

Executive Engineer/Procuring Agency





Summary of Bill of Quantities.

Cost of Bid

Amount

1. (A) Cost based on Composite Schedule of Rates.

2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)

Contractor

Executive Engineer/Procuring Agency

**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK:** **CONSTRUCTION OF OXIDATION POND, OPEN SURFACE DRAINS TYPE-I, II & III I/C CEMENT CONCRETE PAVEMENT FOR DRAINAGE SYSTEM BAGHAN CITY U.C. KETI BUNDER DISTRICT THATTA**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" OPEN SURFACE DRAINS**

1. Excavation in foundation of building and other structure i/c dig belling dressing refilling around the structure with excavated earth watering and ramming lift upto 5ft and lead upto one chain (In Ordinary Soil) (G.S.I.NO: 18 P/ 18)  

3545.00 Cft            @ Rs. 3176/25            P:%0Cft            Rs: 11260/-
2. Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:4:8 ) (G.S.I.No. P/ )  

980.00 Cft            @ Rs. 11288/75            P:% Cft            Rs:110630/-
3. Pucca Brick work in foundation and plinth in cement sand mortor (1:6) (G.S.S.I.NO: P/ )  

2625.00 Cft            @ Rs. 11948/36            P:% Cft            Rs:313644/-
4. Cement Plaster 1/2" thick upto 12"height in cement sand mortor (Ratio 1:4) (G.S.I.NO : P/ )  

2755.50 Sft            @ Rs. 2283/93            P:% Sft            Rs:62934/-
5. Construction of standard open drains cunette block of cement concrete (1:2:4) in situ to the design profiles i/c cost of modules as pr drawing i/c supplying florating coast of cement 1/3"thick to the expensed surface finishing smooth curing etc as per detailed drawing (P.H.S.I.No: E P/44).  

**Type – I**  

1000 Rft            @ Rs: 94/-            P/Rft            Rs: 94000/-

**Type – II**  

500 Rft            @ Rs: 147/-            P/Rft            Rs: 73500/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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6. R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds of forms modules lifting shuttering shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C.C work in roof slab beams columns rafts lintels and other structural member laid in situ or pre cast laid in position in all respect ratio (1:2:4) cement 2Sft send 4Cft shingle 1/4" to 1/8" gauge etc complete. (G.S.I.No: 6 P 18).

212.91 Cft @ Rs. 337/- P: Cft Rs:71751/-

7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire i/c removal of rust from bars. (G.S.I.No: 7 P19 ).

8.55 Cwt @ Rs: 5001/70 P/Cwt Rs:42765/-

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**Total Rs:780484/-**

**GROUP: "B" C.C.PAVEMENT**

1. Barrow pit excavation undressed lead upto 100ft in ordinary soil. (G.S.I.NO: 3 P/ 1 )

14400 Cft @ Rs. 2117/50 P:%0Cft Rs:30492/-

4. Earth work compaction (Soft, Ordinary, Or hard Soil) laying earth in 6" layers including watering etc complete. (G.S.I.NO: 2 P/ 3 )

14400 Cft @ Rs.263/ P%Cft Rs: 3787/-

3. Cement concrete brick or stone ballast Ratio (1:4:8) (G.S.I.No: 5 P/17)

3168 Cft @ Rs. 9416/28 P%Cft Rs: 298308/-

4. Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:2:4 ) (G.S.I.No. 4 P/ 18 )

2400 Cft @ Rs:-14429/25 P%Cft Rs:- 346302/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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6. Erection & removal of centering (G.S.I.No. P/ ).  
 270.00 Sft @ Rs: 2127/41 P%Sft Rs: 5744/-

7. Cartage of 100 Cft / Stone of all material like stone aggregate etc lead (2 Miles)  
 14400 Cft @ Rs: 502/13 P% Cft Rs: 72307/-

**Total Rs:756940/-**

**GROUP: "C" OXIDATION PONDS**

1, Excavation for tanks and reservoir in **Soft Soil** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 1 P/67).

17922.00 Cft: @ Rs. 3000/- P%0Cft Rs. 53766/-

2, Excavation for tanks and reservoir in **Wet Soils Clay** or mud i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 14 P/74).

**0'-5'depth**

5112.00 Cft: @ Rs. 4800/- P%0Cft Rs. 24538/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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- 3, Excavation for tanks and reservoir in **Slushy or Daldally Soils** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 15 P/74).

3033.00 Cft: @ Rs. 7200/- P%0Cft Rs. 21838/-

- 4, Earth work compaction (Soft, ordinary or Hard Soil) laying earth in 6" layers.  
Bend

56396 Cft: @ Rs. 354/- P%0 Cft Rs. 19964/-

- 5, Extra for every 50ft additional lead or part there off.

30329 Cft: @ Rs. 1814/04 P%0Cft Rs. 55018/-

- 6, Cement Concrete Bricks or Stone ballast 1 1/2" to 2" gauge Ratio: (1:4:8)

81.00 Cft @ Rs. 9416/28 P% Cft Rs.7627/-

#### **SUMP WELL**

- 1, Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated eath watering and ramming lift upto 5ft and load upto one chain (in ordinary soil) G.S.I.No:18 P/ 4).

226.08 Cft: @ Rs. 3176/25 P%0Cft Rs. 718/-

- 2, Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4: 8) (G.S.I.No 48 : P: 16 )

28.26 Cft: @ Rs. 9416/28 P% Cft Rs. 2661/-

- 3, R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatley. This rats also i/c all kinds of forms moduls lifittings shuttering curring rendering and finishing the exposed surface i/c screening and waching of shingle (a) R.C work in r-cf slab beams columns rafts lintels and other structural member laid in situ or cement 2 cft sand 4 cft shingle 1/4" to 1/8" guage etc complete.

**(G.S.I.No 6-1 : P: 15)**

198.54 Cft: @ Rs. 337/- P/Cft Rs. 66908/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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- 4, Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/cost of binding wire also i/c removal of rust from bars.  
(G.S.I.No: 8 (ii) : P/ 16 ).

7.97 Cwt @ Rs. 5001/70 P/Cwt Rs. 39864/-

**INTER CONNECTION**

- 1, Excavation for pipe line in trenches and pits in **Soft Soil** i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge, Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.5m)

**(P.H.S.I.No 1 : P: 60 )**

18"dia pipe

2240 Cft: @ Rs. 3600/- P:%0Cft Rs.8064/-

- 2, Providing RCC Pipe of ASTM C-76-62 T/C-76-70, 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.**(P.H.S.I.No: 1 (b) : P/ 17).**

**18"dia Pipe**

12800 Rft @ Rs. 618/- P: Rft Rs. 79104/-

- 3, Refilling the excavated staff in trenches in 6"thick layers i/c watering and ramming to full compaction etc complete  
(P.H.S.I.No: 24 P/77)

90% of excavated Staff.

2016 Cft @ Rs. 2760/- P:%0 Cft Rs. 5564/-

**Total Rs..385634/-**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**A B S T R A C T**

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Open Surface Drains	780484	--	780484
2	Cement Concrete Pavement	756940	-	756940
3	Oxidation Pond	385634	-	385634
	Total	1923058	--	1923058

Total amount of Composite Schedule items Rs:-

\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-

Total Amount of Non-Schedule items Rs:-

Total Rs:-

In Words \_\_\_\_\_

CONTRACTORS

  
 EXECUTIVE ENGINEER  
 PUBLIC HEALTH ENGINEERING  
 DIVISION THATTA

# PUBLIC HEALTH ENGG: DIVISION THATTA



## STANDARD BIDDING DOCUMENTS PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS) For Contracts (Small) amounting between Rs.2.5 (M) to Rs.50 (M)

Reference N.I.T. No.PHE/TC/2817, Dated:18-04-2018

Name of Work:- CONSTRUCTION OF OXIDATION POND, SURFACE DRAINS, CEMENT CONCRETE PAVEMENT, RISING MAIN & RCC SEWER FOR REHABILITATION OF DRAINAGE SCHEME GHULAMULLAH DISTRICT THATTA. (Work No.06).

Issued to M/s \_\_\_\_\_ Government Contractor

D.R. No. \_\_\_\_\_ Dated \_\_\_\_\_ Tender Fee Rs:-3000/-

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
THATTA



## BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Thatta before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Thatta
(b)	Brief Description of Works:-	Construction of Oxidation Pond, Surface Drains, Cement Concrete Pavement, Rising Main & RCC Sewer for Rehabilitation of Drainage Scheme Ghulamullah District Thatta..
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division Thatta Near Session Court & S.P office Thatta at Makli..
(d)	Estimated Cost:-	Rs: 4.00 Million
(e)	Amount of Bid Security:-	Rs:-80000/-
(f)	Period of Bid Validity (Days):-	(30 Days)
(g)	Security Deposit (i/c Bid Security):-	(10 %)
(h)	Percentage, if any, to be deducted from bills:-	(07.50% Income Tax Deduction & 08% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	08-05-2018 1.:00 PM
(j)	Venue, Time, and Date of Bid Opening:-	PHE Division Thatta on 08-05-2018 at 2.00 P:M
(k)	Time for completion from written order of Commence:-	01 Month
(l)	Liquidity Damages:-	(01% On Estimated Cost) Per day subject to Minimum of 08%.
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ M/s _____

  
**EXECUTIVE ENGINEER**  
PUBLIC HEALTH ENGG: DIVISION  
THATTA.

**BILL OF QUANTITY**  
**(B) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE**  
**SCHEDULE OF RATES**

**NAME OF WORK:**            **CONSTRUCTION OF OXIDATION POND, SURFACE DRAINS, CEMENT CONCRETE PAVEMENT, RISING MAIN & RCC SEWER FOR REHABILITATION OF DRAINAGE SCHEME GHULAMULLAH DISTRICT THATTA.**

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**GROUP: "A" OPEN SURFACE DRAINS**

- |    |  |                |         |  |             |
|----|--|----------------|---------|--|-------------|
| 1. | Excavation in foundation of building and other structure i/c dig belling dressing refilling around the structure with excavated earth watering and ramming lift upto 5ft and lead upto one chain (In Ordinary Soil) (G.S.I.NO: 18 P/ 18)   |                |         |  |             |
|    | 5645.00 Cft  | @ Rs. 3176/25  | P:%0Cft |  | Rs: 12285/- |
| 2. | Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:4:8 ) (G.S.I.No. P/ )  |                |         |  |             |
|    | 1326.50 Cft  | @ Rs. 11288/75 | P:% Cft |  | Rs:149745/- |
| 3. | Pucca Brick work in foundation and plinth in cement sand mortar (1:6) (G.S.S.I.NO: P/ )  |                |         |  |             |
|    | 3975.00 Cft  | @ Rs. 11948/36 | P:% Cft |  | Rs:474947/- |
| 4. | Cement Plaster 1/2" thick upto 12"height in cement sand mortar (Ratio 1:4) (G.S.I.NO : P/ )  |                |         |  |             |
|    | 4405.00 Sft  | @ Rs. 2283/93  | P:% Sft |  | Rs:100607/- |
| 5. | Construction of standard open drains cunette block of cement concrete (1:2:4) in situ to the design profiles i/c cost of modules as pr drawing i/c supplying florating coast of cement 1/3"thick to the expensed surface finishing smooth curing etc as per detailed drawing (P.H.S.I.No: E P/44). |                |         |  |             |
|    | 1000 Rft   | @ Rs: 94/-     | P/Rft   |  | Rs: 94000/- |

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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**Type – II**

500 Rft @ Rs: 147/- P/Rft Rs: 73500/-

**Type – III**

300 Rft @ Rs: 309/- P/Rft Rs: 92700/-

6. R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rates also i/c all kinds of forms modules lifting shuttering shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C.C work in roof slab beams columns rafts lintels and other structural member laid in situ or pre cast laid in position in all respect ratio (1:2:4) cement 2Sft send 4Cft shingle 1/4" to 1/8" gauge etc complete. (G.S.I.No: 6 P 18).

402.00 Cft @ Rs. 337/- P: Cft Rs:135474/-

7. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire i/c removal of rust from bars. (G.S.I.No: 7 P19 ).

16.14 Cwt @ Rs: 5001/70 P/Cwt Rs: 80727/-

-----  
**Total Rs: 1213985/-**

**GROUP: "B" C.C.PAVEMENT**

1. Barrow pit excavation undressed lead upto 100ft in ordinary soil. (G.S.I.NO: 3 P/ 1 )

30000 Cft @ Rs. 2117/50 P:%0Cft Rs:63525/-

5. Earth work compaction (Soft, Ordinary, Or hard Soil) laying earth in 6" layers including watering etc complete. (G.S.I.NO: 2 P/ 3 )

30000 Cft @ Rs.263/ P%Cft Rs: 7890/-

3. Cement concrete brick or stone ballast Ratio (1:4:8) (G.S.I.No: 5 P/17)

6600 Cft @ Rs. 9416/28 P%Cft Rs: 621474/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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4.	Cement concrete plan i/c placing compacting finishing and during complete / ic screening and washing of stone aggregate without shuttering etc complete (Ratio: 1:2:4 ) (G.S.I.No. 4 P/ 18 )	5000 Cft	@ Rs:-14429/25	P%Cft	Rs:- 721463/-
6.	Erection & removal of centering (G.S.I.No. P/ ).	562.50 Sft	@ Rs: 2127/41	P%Sft	Rs: 11967/-
7.	Cartage of 100 Cft / Stone of all material like stone aggregate etc lead (2 Miles)	30000 Cft	@ Rs: 502/13	P% Cft	Rs: <u>150639/-</u>

**Total Rs:1576958/-**

**GROUP: "C" A.C RISING MAIN 6" DIA**

1.	Excavation for pipe lines in trenches and pits in Soft Soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags and temporary crossing for non-vehicular traffic wherever required lift upto 5 ft and lead upto one chain (P.H.S.I. No. 1 P/60)	2362.50 Cft	@ Rs. 3600/-	P%0Cft	Rs. 85050/-
2.	A.C Pressure Pipe B Class with one collar and one pair of rubbering with each pipe test pressure 122 meter or 400ft water head (P.A.S.I.No. P/20)	6" Dia 3000 Rft	@ Rs. 397/29	P:Rft	Rs. 1191870/-
3.	Making joints C.I Specials fitting i/c laying of the required along with the asbestos cement pressure pipe line to the specified pressure and making good to all leaky joints etc complete (P.H.S.I.No.E 1 P/80)	20 Nos	@ Rs. 72/-	Each	Rs. 1440/-
4.	Refilling the excavated stuff in trenches in 6" thick layers i/c watering ramming or full etc complete (P.H.S.I.No. 24 P/77)	21262.50 Cft	@ Rs. 2760/-	P%Cft	Rs.58685/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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5. Supplying A.C Collar B Class (S.M.I.No. 4 P/5)  
6"Dia  
20 Nos. @ Rs. 194/- Each Rs. 3880/-

6. Supplying for C.I one pair rubbering rings for A.C Pressure Pipe B Class cement joint. (S.M.I.No. 7 P/5)  
20 Nos @ Rs.129/- Each Rs. 2580/-

**CARTAGE:**

Cartage of Fiber Cement (A.C) Pressure Pipes of any class with collers by Mechanical Transport i/c loading unloading and staking the site (PHSINo.3 P/5) (Lead upto 104 Miles)

6" dia

3000 Rft @ Rs.418/77 P: Rft Rs.12563/-

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**Total Rs:1356068/-**

**GROUP: "D" OXIDIATION POND**

1, Excavation for tanks and reservoir in **Soft Soil** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 1 P/67).

22641.00 Cft: @ Rs. 3000/- P%0Cft Rs. 67923/-

2, Excavation for tanks and reservoir in **Wet Soils Clay** or mud i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 14 P/74).

**0'-5'depth**

19926.00 Cft: @ Rs. 4800/- P%0Cft Rs.95645/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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- 3, Excavation for tanks and reservoir in **Slushy or Daldally Soils** i/c trimming and dressing sides to true alignment / design sections/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. Excavated earth within a one chain as directed by Engineer Incharge i/c providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (P.H.S.I.No: 15 P/74).

4744.00 Cft: @ Rs. 7200/- P%0Cft Rs. .34157/-

- 4, Earth work compaction (Soft, ordinary or Hard Soil) laying earth in 6" layers.  
Bend

66701.00 Cft: @ Rs. 354/- P%0 Cft Rs. 23612/-

- 5, Extra for every 50ft additional lead or part there off.

19390 Cft: @ Rs. 1814/04 P%0Cft Rs. 35174/-

- 6, Cement Concrete Bricks or Stone ballast 1 1/2" to 2" gauge Ratio: (1:4:8)

81.00 Cft @ Rs. 9416/28 P% Cft Rs.7627/-

**SUMP WELL**

- 1, Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around the structure with excavated eath watering and ramming lift upto 5ft and load upto one chain (in ordinary soil) G.S.I.No:18 P/ 4).

226.08 Cft: @ Rs. 3176/25 P%0Cft Rs. 718/-

- 2, Cement concrete brick or stone ballast 1 1/2" to 2" guage ratio (1:4: 8) (G.S.I.No 48 : P: 16 )

28.26 Cft: @ Rs. 9416/28 P% Cft Rs. 2661/-

- 3, R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperatley. This rats also i/c all kinds of forms moduls lifittings shuttering curring rendering and finishing the exposed surface i/c screening and waching of shingle (a) R.C work in r-cf slab beams columns rafts lintels and other structural member laid in situ or cement 2 cft sand 4 cft shingle 1/4" to 1/8" guage etc complete.

**(G.S.I.No 6-1 : P: 15)**

198.54 Cft: @ Rs. 337/- P/Cft Rs. 66908/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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- 4, Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/cost of binding wire also i/c removal of rust from bars.  
(G.S.I.No: 8 (ii) : P/ 16 ).

7.97 Cwt @ Rs. 5001/70 P/Cwt Rs. 39864/-

**INTER CONNECTION**

- 1, Excavation for pipe line in trenches and pits in **Soft Soil** i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge, Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.5m)

**(P.H.S.I.No 1 : P: 60)**

18"dia pipe

2240 Cft: @ Rs. 3600/- P:%0Cft Rs.8064/-

- 2, Providing RCC Pipe of ASTM C-76-62 T/C-76-70, 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.**(P.H.S.I.No: 1 (b) : P/ 17).**

**18"dia Pipe**

12800 Rft @ Rs. 618/- P: Rft Rs. 79104/-

- 3, Refilling the excavated staff in trenches in 6"thick layers i/c watering and ramming to full compaction etc complete  
(P.H.S.I.No: 24 P/77)

90% of excavated Staff.

2016 Cft @ Rs. 2760/- P:%0 Cft Rs. 5564/-

**TOTAL Rs:467021/-**

**GROUP: "E" RCC ASTM / SEWER LINE 12"DIA I/C RCC MAN HOLES**

1. Excavation for Tanks and reservoir in Soft Soil i/c trimming and dressing side to true alignment / design section / profiles and shape leveling of bed of trenches to correct level and grade i/c laying of earth in 6" layer for construction of tanks and dressing and disposal of surplus earth, excavated earth within a one chain as directed by Engineer In charge.

12" dia

1050.00 Cft @ Rs. 3600/- P:% Cft Rs.3780/-

Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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2. Providing laying R.C.C Pipe of ASTM C-76-62 T/C-76-70 of Class-II Class "B" and fixing in trenches i/c cutting fitting and jointing (PHSINo.B-(I) P/17).

12" dia  
300.00 Rft @ Rs. 412/- P: Rft Rs.123600/-

3. Supplying of Clear Screened (River or Pit) Sand within 5 Chain i/c etc complete.

12" dia  
2100.00 Cft @ Rs. 420/- P:%0 Cft Rs.882/-

4. Excavation for pipe line trenches and pits in **Hard Soil** by hammering and chiselling i/c trimming and dressing side to true alignment and shape leveling of bed of trenches to correct level (PHESINo.10 P/64)..

677.00 Cft @ Rs. 25936/- P:%0 Cft Rs.2234/-

5. Cement Concrete brick or stone ballast (1:4:8) 1 1/2" to 2" guage (G.S.I.No. 4 P/16).

85.00 Cft @ Rs. 9416/28 P:% Cft Rs.8004/-

6. R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be aid separately. This rates also i/c all kinds forms moduls lifitting shuttering curring rendering and finishing the exposed surface i/c screening and washing of shingle (a) RC work in roof slab beams columns rafts linkes and other structural member laid in or precast laid in position in all respect ratio 1:2:4 etc complete.

360.54 Cft @ Rs. 337/- P: Cft Rs.121502/-

7. Fabrication of mild steel reinforcement for cement i/c cutting bending laying in position making joint & fastening i/c cost of binding wire als i/c removal of rust from bars etc complete.

14.40 Cwt @ Rs. 5001/70 P: Cwt Rs.72024/-

8. Cement Concrete Plain i/c placing compacting finishing curing i/c screening and washing of stone aggregate without shuttering Ratio (1:2:4) etc complete.

**Ratio: 1:2:4**

59.11 Cft @ Rs. 14429/25 P:% Cft Rs.8529/-



Sr. No.	Description of Item to be executed at Site	Quantity	Rate	Unit	Amount
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9. Errection and removal of centering for RCC or plain C.C.Work of deodar wood (2<sup>nd</sup> Class) etc complete.

72.00 Sft @ Rs. 3127/41 P:% Sft Rs.2252/-

10. Providing C.I Man holes for i/c cost of material etc complete..

10.50 Cwt @ Rs. 6985/- P: Cwt Rs.73343/-

11. Manufacturing and Supply RCC manhole cover etc complete..

6.00 Nos @ Rs. 1881/18 Each Rs.11287/-

12. Refilling the excavated stuff in 6" layers i/c compacting finishing curing etc complete.

945.00 Cft @ Rs. 2760/- P:%0 Cft Rs.2608/-

**Total Rs: 430045/-**

**A B S T R A C T**

S.No	Component	Schedule Items	Non-Sch: items	Total
1	Open Surface Drains	1213985	--	1213985
2	Cement Concrete Pavement	1576958	-	1576958
3	A.C Rising Main 6" dia	1356068	-	1356068
4	Oxidation Pond	467021		467021
5	RCC Sewer Line	430045	-	430045
	Total	5044077	--	5044077

Total amount of Composite Schedule items Rs:-

\_\_\_\_\_ % Above / Below on the rates of CSR  
amount to be added / deducted on the basis of premium Rs:-

Total Amount of Non-Schedule items Rs:-

Total Rs:-

In Words \_\_\_\_\_

CONTRACTORS

  
EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGINEERING  
DIVISION THATTA