

NOTICE INVITING TENDER

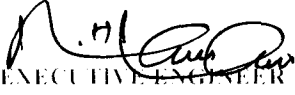
- 01 Sealed Tender on Standard bidding documents are invited from interested contractors /firms /parties/agencies under SPPRA rule 2010 for following works.

S #	Name of work	Estimate Cost In(M)	Earnest money (Rs)	Tender Fee(Rs)	Time of completion
01	Construction of Additional Storage Tank and Providing Laying Jointing & Testing PVC pipes "B" Class of Water Supply Scheme Dadu Filtration Taluka Dadu District Dadu.	32.700	2% on Bid	3000	12 Months

2. Interested eligible bidders may obtain further information and bidding documents office of the undersigned. Earnest money in shape of pay order/ Call Deposit equivalent to 2% of estimated cost shall be pledged in favour of Executive Engineer Public Health Engg: Division Dadu. The tenders without Earnest Money shall not be accepted.
3. The interested participants can purchase the tender documents on payments of tenders fee (not refundable) for the work tender will be issued from date of publication of N.I.T upto 22/2/16 a 11.00 AM
- 04 The tenders will be received back on 28/2/16 a 1.30 P.M and will be opened a 2.00 PM in presence of tenders opening / evaluation committee and bidders or their authorized representatives who ever be present. If the tender work remains un-responded the tenders documents will be re-issued upto 10/3/16 and will be received back on 11/3/16 upto 1.00 am which will be opened in the presence of the participants at 11.30AM on the same date

MANDATORY REQUIREMENTS.

- A) Valid PEC Registration Certificate in relevant category for the year 2015.
B) Field of Specialization CE- 09 & CE-10 .
C) Affidavit in which the bidder undertakes that it is not involved in any litigation.
D) National Tax Number certificate & Annual Return statement of FBR for the year 2015
E) Affidavit that the bidders has not been Black listed by any Government/Semi Government/Autonomous body.
F) Sindh Revenue Board Registration Certificate .


 EXECUTIVE ENGINEER
 PUBLIC HEALTH ENGG: DIVISION
 DADU

Copy forward along with N.I.T for information to:

01. The Director, Information Public Relation Department, Government of Sindh, Karachi, for information with request to Publish the NIT in leading News paper like Dawn, Jung, Kawish or in accordance the policy of the Government
02. The Director (C.B) Sindh Public Procurement Regulatory Authority, Government of Sindh, Barrack No.08 Secretariate No. 04A, Court Road Karachi. Along with demand draft No. _____ dt: _____ for amounting to Rs: 3000/- in the name of Director (A&F) SPPRA Government of Sindh .
03. The Secretary Information & Technology Department 1st floor Sindh Secretariat Karachi opposite Income Tax Building for Display on the web site of Government of Sindh www.sindh.gov.pk
04. The Secretary, Public Health Engg: Department, Govt: of Sindh Karachi.
05. The Chief Engineer, Public Health Engg: Department, Govt: of Sindh, Sukkur.
06. The Superintending Engineer, Public Health Engg: Circle Larkana
07. The Members of Procurements Committee for information.
08. Master file / Notice Board.

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04-02-16

OFFICE OF THE
EXECUTIVE ENGINEER PUBLIC HEALTH ENGG; DIVISION DADU.

BIDDER'S ELIGIBILITY / QUALIFICATION

Regarding the NIT of this office bearing No. IC *215*
Dated: *02-02* -2016, available (Applicable on Tenders from S.No: (01) (Rule
No.21 (1) a SPPRA Rules 2010). (Amended 2013)

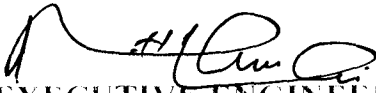
Eligibility/Qualification Criteria.

Sr. No. Required Eligibility /Qualification Criteria.

1. Valid PEC Registration Certificate in relevant category for the year 2015.
2. Field of Specialization CE- 09 & CE-10 .
3. National Tax Number certificate & Annual Return statement of FBR for the year 201*5*
4. Affidavit in which the bidder undertakes that it is not involved in any litigation.
5. Affidavit that the bidders has not been Black listed by any Government Semi Government Autonomous body.
6. Registration with Sindh Revenue Board (SRB)

Qualification Criteria

1. Minimum Three Years Experience of Relevant Record
2. Turnover of at least Three Years
3. Bid Security must be attached
4. Bid is signed, named & stamped by the authorized person of the firm Contractor along with authorization letter.


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG; DIVISION
DADU.



GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING
DEPARTMENT
Karachi dated the 6th May, 2013

NOTIFICATION

No.SO(T)/PHE/SPPRA-Rules/2013 (pt-II), In exercise of powers conferred by Rule-7 of SPP Rules-2010, the Division wise Departmental Procurement Committee. are hereby constituted in Public Health Engineering Department as under:-

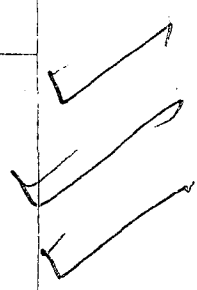
S.#	NAME OF PHE DIVISION	PROCUREMENT COMMITTEE	CHAIRMAN/MEMBER
01	Hyderabad	Executive Engineer, PHE, Division No. 1 Hyderabad	Chairman
		Executive Engineer, Education Works Division Hyderabad	Member
		Assistant Engineer, PHE Sub-Division, Qasimabad	Member
2	Jamshoro	Executive Engineer, PHE, Division Jamshoro	Chairman
		Executive Engineer, Education Works, Division Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Jamshoro	Member
3	Thatta	Executive Engineer, PHE, Division Thatta	Chairman
		Executive Engineer, Education Works Division Thatta	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Thatta	Member
4	Tando Muhammad Khan	Executive Engineer, PHE, Division Tando Muhammad Khan	Chairman
		Executive Engineer, Education Works Division Tando Muhammad Khan	Member
		Executive Engineer, PHE, Sub-Division No. II Tando Muhammad Khan	Member

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5	Badin	Executive Engineer, PHE, Division Badin	Chairman
		Executive Engineer, Education Works Division Badin	Member
		Assistant Engineer, PHE, Sub-Division Tando Bago	Member
6	Matiari	Executive Engineer, PHE, Division Matiari	Chairman
		Divisional Accounts Officer Hala Divn. Irrigation Department Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Matiari	Member
7	Karachi	Executive Engineer, PHE, Division Karachi	Chairman
		Executive Engineer, Local Government Deptt. Karachi	Member
		Executive Engineer, PHE, Sub- Division No. IV Karachi	Member
8	Mirpurkhas	Executive Engineer, PHE, Division Mirpurkhas	Chairman
		Assistant Engineer, Building Division Works & Services Deptt. Mirpurkhas	Member
		Assistant Engineer, PHE, Sub-Division No. II Mirpurkhas	Member
9	Tando Allahyar	Executive Engineer, PHE, Division Tando Allahyar	Chairman
		Executive Engineer, Highway Division Tando Allahyar	Member
		Assistant Engineer, PHE, Division No. II Tando Allahyar	Member
10	Sanghar	Executive Engineer, PHE, Division Sanghar	Chairman
		Assistant Engineer, Education Works Sub-Division Sinjhero	Member
		Assistant Engineer, PHE Sub-Divn, Qazi Ahmed Sinjhero	Member
11	Tharparkar @ Mithi	Executive Engineer, PHE, Division Tharparkar @ Mithi	Chairman
		Executive Engineer, Education Works & Services Tharparkar @ Mithi	Member
		Assistant Engineer, PHE, Sub-Divn. Mithi	Member

12	Umerkot	Executive Engineer, PHE, Division Umerkot	Chairman
		Executive Engineer, Education & Works Division Umerkot	Member
		Assistant Engineer, PHE, Sub-Division Kunri	Member
13	Sukkur	Executive Engineer, PHE, Division Sukkur	Chairman
		Executive Engineer, Highway Division Sukkur	Member
		Assistant Engineer PHE, Sub-Division No. II Sukkur	Member
14	Ghotki @ Mirpur Mathelo	Executive Engineer, PHE, Division Ghotki @ Mirpur Mathelo	Chairman
		Executive Engineer, Education Works District Ghotki	Member
		Assistant Engineer, PHE, Sub-Division No. III Ghotki	Member
15	Khairpur-I	Executive Engineer, PHE, Division No. I Khairpur	Chairman
		Executive Engineer, Provincial Highway N'Feroze at Khairpur	Member
		Assistant Engineer, PHE, Sub-Division No. III Khairpur	Member
16	Khairpur-II @ Ranipur	Executive Engineer, PHE, Division No. II Khairpur @ Ranipur	Chairman
		Executive Engineer, Irrigation East Division Khairpur	Member
		Assistant Engineer, PHE, Sub-Division Gambat	Member
17	Naushahro Feroze	Executive Engineer, PHE, Division Naushahro Feroze	Chairman
		Assistant Engineer, Highway Sub-Division Mehrabpur	Member
		Assistant Engineer, PHE, Sub-Division Naushahro Feroze	Member

18	Shaheed Benazirabad	Executive Engineer, PHE, Division No. 5 Shaheed Benazirabad	Chairman
		Executive Engineer, Education Works Divn. Shaheed Benazirabad	Member
		Assistant Engineer, PHE, Sub-Division No. II Sakrand	Member
19	Larkana	Executive Engineer, PHE, Division Larkana	Chairman
		Executive Engineer, Building Provincial Division, Larkana	Member
		Assistant Engineer PHE, Sub-Division No. II Larkana	Member
20	Dadu	Executive Engineer, PHE, Division Dadu	Chairman
		Executive Engineer, Highway Division Dadu	Member
		Assistant Engineer, PHE, Sub-Division Johi	Member
21	Jacobabad	Executive Engineer, PHE, Division Jacobabad	Chairman
		Executive Engineer, Highway Division. Jacobabad	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Jacobabad	Member
22	Kamber Shahdadkot @ Kamber	Executive Engineer, PHE, Division Kamber Shahdadkot @ Kamber	Chairman
		Executive Engineer, Education Works Division Kamber Shahdadkot @ Kamber	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kamber	Member
23	Shikarpur	Executive Engineer, PHE, Division Shikarpur	Chairman
		Executive Engineer, Machinery & Maintenance Division Khairpur @ Shikarpur	Member
		Assistant Engineer, PHE, Sub-Division Lathi	Member



24	Kashmore @ Kandhkot	Executive Engineer, PHE, Division Kashmore @ Kandhkot	Chairman
		Executive Engineer, Roads Kashmore @ Kandhkot	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kashmore @ Kandhkot	Member

Terms of reference of the Committees:

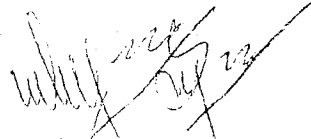
1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the above

S.M. KALEEM MAKKI

Secretary to Government of Sindh

A copy forwarded for information & necessary action to:-

- The Accountant General Sindh, Karachi.
- The Administrative Secretaries (all) in Sindh.
- The Commissioner (all) in Sindh.
- ✓ The Chief Engineer, PHED, Hyderabad / Sukkur.
- The Director, Procurement Regulatory Authority Sindh Karachi.
- The Deputy Commissioner (all) in Sindh.
- The Superintending Engineer, PHED (all) in Sindh.
- The Executive Engineer, PHE, Division (all) in Sindh.
- PS to Secretary, PHED, Govt. of Sindh, Karachi.
- Additioanal Secretary, PHED, Govt. of Sindh, Karachi.



(ABDUL GHAFFAR SHAIKH)
Section Officer (Technical)



Ph: 071-9310448
Fax: 071-9310447

Email: cephedsukkur@gmail.com

NO.E/PHED/ 3676 of 2015.
OFFICE OF THE CHIEF ENGINEER,
PUBLIC HEALTH ENGG. DEPARTMENT
GOVERNMENT OF SINDH SUKKUR
Sukkur, Dated. 10/11/2015.

OFFICE ORDER.

As per advise of Sindh Public Procurement Regulatory Authority the office order No.E/PHED/3423 dated 09.10.2015 issued by this office is modified and CRC committee is hereby re-constituted to redress grievance / complaints that may arise during procuring proceedings in Public Health Engineering Division Dadu, as per exercise of the power confirmed under Rule 31 of the Sindh Public Procurement Rules 2010.

Superintending Engineer, Public Health Engineering Circle Larkana	Chairman
Executive Engineer Education Works Division Dadu	Member
Divisional Accounts Officer Southern Division Dadu	Member

The committee shall act in accordance with rule 31 of Sindh Public Procurement Rules 2010 (amended 2013).

D.A/As above.

(Signature)
(RAM CHAND.P.SANJHIRA)
CHIEF ENGINEER,
PUBLIC HEALTH ENGG. DEPARTMENT,
GOVT. OF SINDH SUKKUR

CC. to the

Manager Assessment-V Sindh Public Procurement Regulatory Authority Karachi for information w/r to his letter No.MRG(A&F)/SPPRA/337/(PHE)15-16/8257 dated 4th November 2015.

Superintending Engineer, Public Health Engineering Circle Sukkur / Larkana for information.

Executive Engineer, Public Health Engineering Division Dadu for information/r to his letter No.GC/1231 dated 10.11.2015.

Executive Engineer Education Works Division Dadu for information.

✓ Divisional Accounts Officer, Southern Division Dadu for information.

ANNUAL PROCUREMENT PLAN
(WORKS, GOODS & SERVICES)

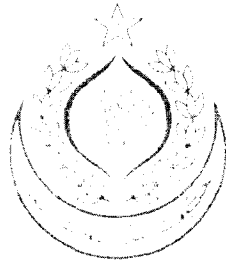
Financial year 2015-16

S.No	Description of Procurement	Quantity (where applicable)	Estimated unit cost (where applicable)	Estimated total cost	Funds allocated	Source of funds (ADP/ Non-ADP)	Proposed procurement method	Timing of procurements				Remarks
								1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
1	Rehabilitation of Water Supply Scheme Sojhero Mirwani Taluka Mehar District Dadu.	N/A	2,880(M)	2,880(M)		Non-ADP	Single stage one Envelop		2,880(M)			
2	Rehabilitation of Water Supply Scheme Shah Goderio Taluka Mehar District Dadu.	N/A	2,800 (M)	2,800 (M)		Non-ADP	Single stage one Envelop		2,800 (M)			
3	Rehabilitation of Water Supply Scheme Mian Naseer Mohammad Kalhoro Taluka K.N Shah District Dadu.	N/A	4,400(M)	4,400(M)		Non-ADP	Single stage one Envelop		4,400(M)			
4	Rehabilitation of Water Supply Scheme Ramzan Babr Taluka K.N Shah District Dadu.	N/A	1,750(M)	1,750(M)		Non-ADP	Single stage one Envelop		1,750(M)			
5	Rehabilitation of Water Supply Scheme Lasl Bux Wadhra Taluka K.N Shah District Dadu.	N/A	4,450(M)	4,450(M)		Non-ADP	Single stage one Envelop		4,450(M)			
6	Rehabilitation of Water Supply Scheme Qasim Rodhrani Taluka Johi District Dadu.	N/A	5,500(M)	5,500(M)		Non-ADP	Single stage one Envelop		5,500(M)			
7	Rehabilitation of Water Supply Scheme Dodo Rodhrani Taluka Johi District Dadu.	N/A	3,600(M)	3,600(M)		Non-ADP	Single stage one Envelop		3,600(M)			
8	Rehabilitation of Water Supply Scheme Khair Muhammad Jamail Taluka Johi District Dadu.	N/A	5,000(M)	5,000(M)		Non-ADP	Single stage one Envelop		5,000(M)			
9	Water Supply Scheme Jakhero Sarfo Taluka K.N Shah District dadu.	N/A	9,000(M)	9,000(M)		Non-ADP	Single stage one Envelop		9,000(M)			
10	Const: of Drains and Laying c.c paving in K.N Shah City, Malrook Janwary, Street Radhan & Mehar City.	N/A	11.00 (M)	11.00 (M)		Non-ADP	Single stage one Envelop		11.00 (M)			
11	Water Supply Scheme filtration Dadu.	N/A	754.737(M)	754.737(M)	20,000(M)	ADP/1341	Single stage one Envelop				20,000(M)	

12	Water Supply Scheme village Uris Leghari, Mureed Babr Taluka Jochi District Dadu.	N/A	12.487(M)	12.487(M)	3.122(M)	ADP/1383	Single stage one Envelop							3.122(M)	
13	Water Supply Scheme village Loung Mahaser Taluka Mehar District Dadu.	N/A	12.305(M)	12.305(M)	3.076(M)	ADP/1384	Single stage one Envelop							3.076(M)	
14	Reconstruction of Drainage System Dadu (6 Nos)	N/A	49.983(M)	49.983(M)	9.997(M)	ADP/1484	Single stage one Envelop							9.997(M)	


 EXECUTIVE ENGINEER
 PUBLIC HEALTH ENG. DIVISION
 DADU

GOVERNMENT OF SINDH



PUBLIC HEALTH ENGINEERING DIVISION DADU

STANDARD BIDDING DOCUMENTS **PROCUREMENT OF WORKS (SPPRA BIDDING DOCUMENTS)** **For Contracts (Small) amounting between Rs. 4.0 (M) to Rs. 50.00 (M).**

Name of Work: (1) Construction of Additional Storage Tank and providing laying jointing & Testing PVC pipe "B" class of water supply scheme Dadu filtration Taluka Dadu District Dadu

N.E.I. NO: & DATE: NO: TC: / dated:-

DATE OF ISSUE:

DATE OF OPENING:

TENDER ISSUED TO:

D.R. NO: & DATE:

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

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU

BIDDING DATA

(This section should be filled in by the office of the Executive Engineer, Public Engineering Division Dadu, before issuance of the bidding documents).

(a) Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Dadu.
(b) Brief Description of works:-	(i) Construction of Additional Storage Tank and providing Laying jointing & Testing PVC pipe "B" class of water supply scheme Dadu filtration Taluka Dadu District Dadu
(c) Procuring Agency Address:-	The Executive Engineer Public Health Engineering Division Dadu, Near Gharibabad Muhalla Dadu
(d) Estimated Cost:-	Rs: 3.2700 Million
(e) Amount of Bid Security:-	Rs: 654000/-
(f) Period of Bid Validity (Days):-	(30 days)
(g) Security Deposit (i.e Bid Security):-	(10%)
(h) Percentage, if any, to be deducted from bills:-	(7.50% Income Tax) & (8% Security Deposit).
(i) Deadline for submission of Bids along with time:-	a 1.30 PM
(j) Venue, time & date of Bid Opening:-	a 2.00 PM
(k) Time for completion from written order of commence:-	(12 Months)
(l) Liquidity Damages:-	(1% on estimated cost per day subject to minimum of 10%)
(m) Deposit receipt No: date & Amount (in words and figure):-	C.D No: _____ dated:- Amount Rs: _____ Bank _____

M/S _____

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU

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. 4.00 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: Sindh Public Procurement Regulatory Authority | www.pprasindh.gov.pk

(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).

Executive Engineer
PHE Division Dadu

CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

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 means the Contract Agreement and the other documents listed in the Contract Data.

1.1.2 —Specifications 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 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 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 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 means either the Procuring Agency or the Contractor.

Dates, Times and Periods

1.1.7 —Commencement Date 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 means a calendar day

1.1.9 —Time for Completion 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 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 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 means the Islamic Republic of Pakistan.

1.1.13 —Procuring Agency's Risks means those matters listed in Sub-Clause 6.1.

1.1.14 --Force Majeure* 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* means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.

1.1.16 --Plant* means the machinery and apparatus intended to form or forming part of the Works.

1.1.17 --Site* 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* means a change which is instructed by the Engineer/Procuring Agency under Sub-Clause 10.1.

1.1.19 --Works* 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* 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.

1.1 Interpretation

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

1.2 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, licenses 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 Authorized 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 reasons(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. 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) ionizing 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 minimize 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 itemized 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 demobilize 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 demobilize 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 demobilization 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 (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 (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 (Engineer) within 14 days, in case of dissatisfaction with decision of (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.

Contractor

Executive Engineer
PHE Division Dadu

BILL OF QUANTITY

(1) CONSTRUCTION OF ADDITIONAL STORAGE TANK AND PROVIDING LAYING JOINTING & TESTING PVC PIPES "B" CLASS OF WATER SUPPLY SCHEME DADU FILTERATION TALUKA DADU DISTRICT DADU

(A) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE SCHEDULE OF RATES.

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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GROUP "A" CONSTRUCTION OF STORAGE TANK

1	Excavation for tanks and reservoirs in soft soils i.e trimming and dressing sides to true alignment design section profiles and slope leveling of beds of trenches to correct level and grade i.e laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i.e providing fence guards lights flags wherever required lift upto 5ft and lead upto one chain.(G.S.I-1, P-67)	152988.29 Cft	@Rs 3000.00	P%0Cft	Rs 458965
2	Excavation for tanks and reservoirs in wet soils i.e trimming and dressing sides to true alignment design section profiles and slope leveling of beds of trenches to correct level and grade i.e laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i.e providing fence guards lights flags wherever required lift upto 5ft and lead upto one chain.(G.S.I-14, P-74)	400770.50 Cft	@Rs 4800.00	P%0Cft	Rs 1921298
3	Excavation for tanks and reservoirs in slushy or daldaly soils i.e trimming and dressing sides to true alignment design section profiles and slope leveling of beds of trenches to correct level and grade i.e laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i.e providing fence guards lights flags wherever required lift upto 5ft and lead upto one chain.(G.S.I-15, P-74)	149020.88 Cft	@Rs 7200.00	P%0Cft	Rs 1072950
4	Earth work in foundation (Soft Ordinary or Hard Soil) (b) laying earth 7" layer & compact and dressing and watering for compaction (G.S.I-3 (b) P-3)	409374.88 Cft	@Rs 354.00	P%0Cft	Rs 144919
5	Extra for every 50' additional lead or part thereof (a) for earth work (soft ordinary hard and very hard) horizontal lead (2500 Rft)	252504.75 Cft	@Rs 1410.92	P%0Cft	Rs 413265
6	Brick rammed brick or stone ballast 1 1/2" to 2" gauge (G.S.I-02 P-15)	98878.61 Cft	@Rs 3327.50	P%0Cft	Rs 3283531

10	Cement concrete plain i.e. placing, compacting, finishing and curing complete i.e. screening and washing of stone aggregate without shuttering. (Ratio 1:4:8) (G.S.I No. 5 P-15)	11475.92 Cft	@Rs 11288.75	P% Cft	Rs 1295487
11	Brick lining (9"x11.25"x3") in (1:3) cement sand mortar (G.S.I.No.09 P-75)	1765.44 Cft	@Rs 14204.44	P% Cft	Rs 1698913
12	Plastering ratio 1:3:4 (G.S.I no 11 p-75)	49713.13 Cft	@Rs 13789.32	P% Cft	Rs 6786155
13	Face brick work in foundation and plinth in cement sand mortar (1:6) (G.S.I. P-20)	3251.46 Cft	@Rs 11948.36	P% Cft	Rs 388499
14	Bailing or pumping out sub soil water during excavation concreting cost in-situ concrete or masonry work in foundation etc. (P.H.S 1-18 P-75) 1st operation	147629.38 Cft	@Rs 543.00	P% Cft	Rs 801682
15	Cement, Plaster (1:4) up to 12" height 7" thick (G.S.I. No.13 P-51)	13878.00 Sft	@Rs: 2206.6	P% Sft	Rs: 306245
16	Cement, Plaster (1:4) up to 12" height 3/8" thick (G.S.I. No.11 P-51)	13878.60 Sft	@Rs: 2197.52	P% Sft	Rs: 304985
17	Dry brick on edge paving sand graded i.e. preparation of bed by watering, ramming and bedding the same to proper camber by 1.25" thick mud plaster. (G.S.I. No.15 P-39)	20000.00 Sft	@Rs: 3823.57	P% Sft	Rs: 764714
18	Cement pointing strike on joint ratio 1:3 in cement sand mortar (G.S.I.no 18 P-53)	37325.50 Cft	@Rs 1213.58	P% Cft	Rs 392296
				Total	Rs 20033905

GROUP "B" CONSTRUCTION OF INTER CONNECTION

1	Excavation in foundation of building bridges and other structures. i.e. dig, belling, dressing, refilling around the structures with excavated Earth, watering, ramming, lead up to one chain and lift up to 5" (G.S.I. No. 18 P. 04)	103.88 Cft	a Rs: 3176.25	P ⁰ 0 Cft Rs: 1283.7
2	Extra for wet earth work. (G.S.I. No. 18 P. 04)	230.79 Cft	a Rs: 1058.75	P ⁰ 0 Cft Rs: 244.7
3	Extra for slush or daldal i.e. dewatering (G.S.I. No. 16 P. 04)	115.40 Cft	a Rs: 2420.00	P ⁰ 0 Cft Rs: 279.7
4	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (Ratio 1:1.8)(G.S.I. No. 4 P. 11)	86.55 Cft	a Rs: 9416.28	P ⁰ 0 Cft Rs: 8149.7
5	R.C.C. work i.e. all labour and material except the cost of steel reinforcement and its labour for b/b which will be paid separately. This rate also i.e. all kinds of forms, moulds, lifting, shutting, curing, rendering and finishing the exposed surface (i.e. s/w of shingle) (a) R.C. work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast and in position complete in all respect. (b) Ratio 2:2:4 1/2 lbs cement: Cft, sand 1 cft, shingle 1 8" to 1" gauge. (G.S.I. No. 6 P. 16).	778.84 Cft	a Rs: 337.00	P Cft Rs: 92855.7
6	Fabrication of mild steel reinforcement for C.C. i.e. cutting, bending, laying in position making joints and fastening i.e. cost of binding wire also i.e. removal of rust from bars. (G.S.I. No. 8 P. 16)	14.07 Cwt	a Rs: 5001.70	P Cwt Rs: 55372.7
7	Excavation for pipe lines in trenches in pits in soft soil i.e. trimming, dressing sides to true alignment, shape, leveling of beds of trenches to correct level and grade, cutting joints, holes and disposal of surplus earth within one chain as direct by engineer in charge providing fence, guards, lights whenever and temporary crossing for non vehicular traffic whenever required lift upto 5 Ft and lead upto one chain (P.H.S.I. No. 1 P. 60)	837.00 Cft	a Rs: 3660.00	P ⁰ 0 Cft Rs: 3034.7
8	Providing and R.C.C. Pipe of A.S. I.N.C-76-62, I.C-76-70 Class-II wall-B and fixing in trenches i.e. cutting, fitting and jointing with rubber ring i.e. testing with water to specified pressure (P.H.S.I-1 P. 17)	368.00 Rft	a Rs: 618.00	P Rft Rs: 227424.7
9	Refilling the Excavated stuff in trenches 6" thick layers leveling i.e. watering, ramming to full compaction etc complete	786.00 Cft	a Rs: 2760.00	P ⁰ 0 Cft Rs: 2087
				Total Rs: 390718

GROUP "C" PVC PIPE DISTRIBUTION SYSTEM

1	Dismantling and removing road metalling. (G.S.I-51, P-13)				
	800.00 Cft	a Rs	605.00 P%oCft	Rs	4840 ✓
2	Dismantling Cement concrete plain (1:2:4). (G.S.I-19, P-10)				
	5,28,00 Cft	a Rs	3327.50 P%oCft	Rs	17569 ✓
3	Dismantling dry brick massonary. (G.S.I-11, P-10)				
	800.00 Cft	a Rs	257.13 P%oCft	Rs	2057 ✓
4	Dismantling Cement concrete plain (1:1:8). (G.S.I-19, P-10)				
	672,00 Cft	a Rs	1663.65 P%oCft	Rs	11180 ✓
5	Dismantling brick work in line or cement mortar. (G.S.I-13, P-10)				
	960,00 Cft	a Rs	1285.63 P%oCft	Rs	12342 ✓
6	Dismantling cement concrete reinforced separating reinfor cement from concrete cleaning and straightening the same. (G.S.I-20, P-10)				
	360,00 Cft	a Rs	5445.00 P%oCft	Rs	19602 ✓
7	Excavation for pipe line trenches and pits in soft soils i.e trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint hoes and disposal of surplus earth within a one chain as directed by engineer in charge providing fence guards light fags and temporary crossing for non vehicular traffic where ever required lift up 5 ft lead u to 57 ms and lead up to one chain (30,5 m) (P.H.S.I- 3 P- 16)				
	91075.00 Cft	a Rs	3600.00 P%oCft	Rs	327870 ✓
8	Providing uPVC pipes of Class "B" (equivalent make) make fixing in trench i.e cutting fitting and jointing with "Z" joint with one rubber ring i.e testing with water to head 61 meter or 200 ft(P.H.S.I-1, P-22)				
3" dia	8000 Rft.	a Rs	90 P-Rft	Rs	720000 ✓
4" dia	5000 Rft.	a Rs	137 P-Rft	Rs	685000 ✓
6" dia	100 Rft.	a Rs	262 P-Rft	Rs	26200 ✓
12" dia	100 Rft.	a Rs	1011 P-Rft	Rs	101100 ✓
9	P.V.C Z Jointing Fitting (P.H.S.(M) E- 18 P- 26)				
	PVC 111				
3" dia	8 Nos.	a Rs	900.00 Each	7200 ✓	
4" dia	6 Nos.	a Rs	1181.00 Each	7086 ✓	
6" dia	1 Nos.	a Rs	1800.00 Each	1800 ✓	

5.1.1.1.1					
3" dia	10 Nos:	a Rs	731.00 Each	Rs	7310 ✓
4" dia	8 Nos:	a Rs	956.00 Each	Rs	7648 ✓
6" dia	2 Nos:	a Rs	1913.00 Each	Rs	3826 ✓
PVC SOCKETS					
3" dia	36 Nos:	a Rs	405.00 Each	Rs	14580 ✓
4" dia	28 Nos:	a Rs	1125.00 Each	Rs	31500 ✓
6" dia	8 Nos:	a Rs	1775.00 Each	Rs	14200 ✓
End Plug:					
3" dia	8 Nos:	a Rs:	382.00 Each	Rs:	3056 ✓
4" dia	2 Nos:	a Rs:	544.00 Each	Rs:	1088 ✓
Flange PLUG					
3" dia	16 Nos:	a Rs	568.00 Each	Rs:	9088 ✓
4" dia	12 Nos:	a Rs	612.00 Each	Rs:	7344 ✓
6" dia	4 Nos:	a Rs	1298.00 Each	Rs:	5192 ✓
Calcular Joint					
3" dia	16 Nos:	a Rs	568.75 Each	Rs:	9100 ✓
4" dia	12 Nos:	a Rs	731.25 Each	Rs:	8775 ✓
6" dia	4 Nos:	a Rs	1067.50 Each	Rs:	4270 ✓

10. c) Sluice valve heavy patter test pressure 21 Kg sq. cm or 300 lbs sq. inch.

(P.H.S. (M.I)-1.2, P-2)

3" dia	2 Nos:	a Rs	4290.00 Each	Rs:	8580 ✓
4" dia	2 Nos:	a Rs:	5460.00 Each	Rs:	10920 ✓

11. Making joints to PVC specials fitting (i.e. laying of specials and cost of solvent cement) of required diameter and testing the joints along with PVC pipe line B, C & D class to the specified pressure and making good to all leaky joints etc. complete.

(P.H.S-1-1, P-11)

3" dia	16 Joints.	a Rs:	59.00 P-Joint	Rs:	944 ✓
4" dia	12 Joints.	a Rs:	70.00 P-Joint	Rs:	840 ✓
6" dia	4 Joints.	a Rs:	96.00 P-Joint	Rs:	384 ✓

12. Joining C.I. MS flanged pipes and specials flanged and inside a 6" x 6" x 2" applying rubber packing of the required thickness nuts etc. with washers etc. and other tools required for jointing and testing the joints to the specified pressure etc. complete (P.H.S-1-1, P-40)

3" dia	4 Joints.	a Rs:	499.0 P-Joint	Rs:	1996 ✓
4" dia	4 Joints	a Rs:	513.0 P-Joint	Rs:	2052 ✓

13. Providing chamber 2-1 2x2-1 2 (750x750 mm) inside dimension 4-1 2" (1372 mm) deep as per approved design for sluice valve 3" to 12" dia wit 18" (457 mm) dia inside cast iron cover and frame (wt = 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm thick) with 8 lbs steel per cft) 9" (229 mm) thick brick masonry wall set in 1:6 cement mortar 6" (152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring 1/2" (12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i.e providing and fixing MS foot rest at every one foot beyond 21 2 ft depth curing excavation back filling and disposal of surplus earth etc complete (P.H.S-1-1, P-40)

1 Nos:	a Rs:	18820 Each	Rs:	75280 ✓
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c) Retaining the excavated shaft in trenches 6" thick Layer i.e watering (100 mm to 1m compaction etc. complete (P.H.S-1-2, P-53)

103416.7	CR	a Rs:	2760.00 P ⁰ .00CH	Rs:	285430 ✓
Total				Rs:	2459029.016

BILL OF QUANTITY

(1) CONSTRUCTION OF ADDITIONAL STORAGE TANK AND PROVIDING LAYING JOINTING & TESTING PVC PIPES "B" CLASS OF WATER SUPPLY SCHEME DADU FILTRATION TALUKA DADU DISTRICT DADU

(B)- **DESCRIPTION AND RATE OF ITEMS BASED ON NON SCHEDULE / OFFERED OF RATES.**

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
"A"	<u>Construction of Storage Tank</u>				
	Diff. cost of cement for S.R Cement				
		27882.58	Bags	a Rs: 40	P-Bage Rs: 1103303
				Total	Rs: 1103303
"B"	<u>Construction of Inter Connection</u>				
	Diff. cost of Cement for S.R Cement				
		56.80	Bags	a Rs: 40	P Bage Rs: 2272
					Rs 2272

ABSTRACT

"A"	Construction of Storage Tank	Rs: 1103303
"B"	Construction of Inter Connection	Rs: 2272
"C"	PVC Pipe Distribution System	Rs: 0
	TOTAL AMOUNT OF A B& C	Rs: 1105575

CONTRACTOR

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU

SUMMARY OF BILL QUANTITY

(1) CONSTRUCTION OF ADDITIONAL STORAGE TANK AND PROVIDING LAYING
JOINTING & TESTING PVC PIPES "B" CLASS OF WATER SUPPLY SCHEME DADU
FILTRATION TALUKA DADU DISTRICT DADU

TALUKA DADU DISTRICT DADU

ABSTRACT

COST OF BID	Rs: _____
(A) Cost based on Composite schedule of rates	Rs: _____
(B) Amount of Item based on Non-Schedule Items	Rs: _____
TOTAL COST OF BID	Rs: _____

CONTRACTOR

DIVISIONAL ACCOUNTS OFFICER
Public Health Engineering Division
DADU

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU