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: Rehabilitation of Water supply scheme Sojhri Mirwani,

Shah Goderio, Mian Naseer Muhammad Kalhoro, Ramzan Babar,

Lal Bux Wadha, Ali Pur, Qasim Rodhrani, Dodo Rodhrani &

Khair Muhammad Jamali District Dadu

N.I.T NO: & DATE: NO: TC/ 1264 / dated:- 17.11. 2015

DATE OF ISSUE: 16.12.2015 DATE OF OPENING: 16.12.2015

TENDER ISSUED TO: .

D.R.NO: & DATE:

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

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:-	Rehabilitation of Water supply scheme Sojhri Mirwani, Shah Goderio, Mian Naseer Muhamm Kalhoro, Ramzan Babar, Lal Bux Wadha, Ali Pur, Qasim Rodhrani, Dodo Rodhrani & Khair Muhammad Jamali District Dadu
©	Procuring Agency Address:-	The Executive Engineer Public Health Engineering Division Dadu. Near Garibabad Muhalla Dadu.
(d)	Estimated Cost:-	Rs: 33.000 Million
(e)	Amount of Bid Security:-	Rs: 6,60,000/-
(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:-	(7.50% Income Tax) & (8% Security Deposit).
(i)	Deadline for submission of Bids along with time:-	16.12.2015 @ 11.00 AM
(j)	Venue, time & date of Bid Opening:-	16.12.2015 @ 2.00 PM
(k)	Time for completion from written order of commence:-	(12 Months)
(1)	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).

<u>A. GENERAL</u>

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 \parallel) wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as —the Works \parallel).

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 —Partyl 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 Dayl 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 —Sitel 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 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. 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 Maintenances 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 60days 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

REHABILITATION OF WATER SUPPLY SCHEME

SOJHRO MIRWANI, SHAH GODERIO, MIAN NASEER MUHAMMAD KALHORO, RAMZAN BABAR, LAL BUX WADHA, ALI PUR, QASIM RODHRANI, DODO RODHRANI & KHAIR MUHAMMAD JAMALI DISTRICT DADU

(A) - <u>DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE SCHEDULE OF RATES.</u>

S.No: Description of item to be executed at site Quantity Rate Unit Amount
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TALUKA MEHAR DI	STRICT DADU			
TUBE WELL				
Boring of Tube Well in	all water bearring soil from	m ground		
level up to 100 ft or 30	.5 m depth i/c sinking and	with drawing		
and casing pipes (P.H.I	.S No 1, P/41)			
12" Dia.	100.00 Rft	@Rs 743.00	P-Rft	Rs 74300
0 0	antily built wooden locked	•		
for preserving 2 lbs (11	K.g) samples startes (P.H.S	,		
	1.00 Nos	@Rs 3530.00	Each	Rs 3530
Taking & Preserving in etc (P.H.S.I No. 6 P/4	abox 2 lbs (1 K.g) sample o	f strata from boar l	noles	
	4.00 Nos	@Rs 101.00	Each	Rs 404
Taking samples of water bottles (P.H.S.I.No 7 P.	er from bore holes and place / 37)	e in two separate		
	4.00 Nos	@Rs 131.00	Each	Rs 524
quality i/c necessary so	PVC strainer Pipe "B" cla cket etc Complete (P.H.S.I	-9, P-42)		
8" dia	55.00 Rft	@Rs 554.05	P-Rft	Rs 30473
11 0	PVC blind Pipe "B" class of socket etc complete (P.H.S		ed quality	
8" dia	45.00 Rft	@Rs 516.80	P-Rft	Rs 23256
M C 1 '1 1 1 C	1 1' 5'1 (D.T.		200	
	proved quality 5' long (P.H.			D = 0.007
8" dia	1.00 Rft	@Rs 2607.00	P-Rft	Rs 2607
	ed bajri (3/8" to 1/8") or 9 toppe (P.H.S.I No 13 P/ 38			
8" dia	100.00 Rft	@Rs 105.00	P-Rft	Rs 10500
Development charges of	of Tube well(P.H.S.I8, P-4	3)		
	100.00 Rft	@Rs 200.00	P/Rft	Rs 20000 Rs: 16559

	,			1			
S.No:	Description of item to be	Quantity	Rate	Unit	Amount		
	executed at site						
<u>"B"</u>	PUMP HOUSE FOR TUBE WELL Excavation in foundation of building bridges and other structures.						
1	L/c dag 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)						
		179.50 Cft	@Rs: 3176.25		Rs: 570		
2	Cement concrete brick or stone		gauge.				
	(Ratio 1:4:8) (G.S.I No. 4 P/ 14	83.50 Cft	@Rs: 9416.28	P%Cft	Rs: 7863		
		03.30 CI	@KS. 7410.26	1 /0 C1t	Ks. 7003		
3	Cement concrete plain i/c placi	ng compacting fini	shing and				
	curing complete i/c screening a	_					
	without shuttering (Ratio 1:3:6	, · ·		D0/ C6	D - 27070		
		215.00 Cft	@Rs: 12595.00	P%Cft	Rs: 27079		
4	Erection and removal of center	ing for R.C.C or pla	ain C.C Work				
	of Partal Wood 1st class(vertical	al). (G.S.I.No. 19 P/	17)				
		344.00 Sft	@Rs: 3127.41	P%Sft	Rs 10758		
5	Filling Watering and ramming	earth in floor with a	naw aarth aycayatad	from			
3	Filling Watering and ramming earth in floor with new earth excavated from out side lead upto 1 chain and lift upto 5' (G.S.I No 22 P- 4)						
	,	300.00 Cft	@Rs: 3630.00	P%0Cft	Rs: 1089		
6	Pacca brick work in ground floor cement, sand, mortar (1:6) (G.S.I. No 5 P/ 20)						
	(U.S.I. NO 3 F/ 20)	312.83 Cft	@Rs: 12674.36	P%Cft	Rs: 39649		
7	R.C.C work i/c all labour and n	•					
	reinforcement and its labour fo This rate also i/c all kinds of fo						
		_		C work in			
	rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in roof slab beams columns rafts lintels and other structural members laid in situ or prrecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs						
	cement2 Cft, sand 4 cft shingle			D/G6	D 01051		
		93.09 Cft	@Rs: 337.00	P/Cft	Rs: 31371		
8	Fabrication of mild steel reinfo	rcement for C.C i/o	c cutting, bending.				
	laying in position making joints						
	(also i/c removal of rust from b	ars).(G.S.I No 8 P/	16)				
		3.74 Cwt	@Rs: 5001.70	P/Cwt	Rs: 18706		
9	Providing and laying 3" thick to	o toning Cement Co	oncrete (1·2·4) I/c si	ırface			
	finishing and dividing in to pan		· · · · · · · · · · · · · · · · · · ·	irrace,			
		100.00 Sft	@Rs: 4411.82	P%Sft	Rs: 4412		
10	C	1 - 1, 1/9	GIN 10 D/51				
10	Cement, Plaster (1:6) up to 12'	height ½" thick (G 363.50 Sft	.S.I. No.13 P/51) @Rs: 2206.60	P%Sft	Rs: 8021		
		505.50 SII	w Ns. 2200.00	r 70 3 11	NS. 0021		
11	Cement, Plaster (1:4) up to 12'	height 3/8" thick (G.S.I. No.11 P/51)				
		363.50 Sft	@Rs: 2197.52	P%Sft	Rs: 7988		

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
12	Cement, Pointing struck joint o	on walls (1:3) (G.S.	.I. No.19 P/52)		
		423.50 Sft	@Rs: 1213.58	P%Sft	Rs: 5140
13	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No.	oars 4" Center to ce		ron	
		24.50 Sft	@Rs: 726.72	P/Sft	Rs: 17805
14	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	etc: i/c cutting tan	ks etc: i/c cutting d	rilling rive	ing
		1.02 C	C10. 1920.19	1,0,0	113. 5027
15	Erection and fitting in position (C.S.I.No. 3 P/ 91)	of iron trusses stag	ing of water tanks	etc:	
		1.02 Cwt	@Rs: 271.04	P/Cwt	Rs 276
16	Supplying and fixing in positio approved design i/c painting 0 than 3 Lbs/sq: foot of finished	3 coats etc complet	e (weight not to be		Rs: 2166
17	PAINTING NEW SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6		w any type i/c		
	Luges 5 cours (Cioin 11010 170	73.00 Sft	@Rs: 2116.41	P%Sft	Rs: 1545
18	White washing of three coats (G.S.I. No.26 P/53) 187.00 Sft	@Rs: 829.95	P%Sft	Rs: 1552
19	Color Washing (2 coats) (G.S.I	i.No:25, P/53). 187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manho i/c cost of material etc: (P.H.S.				
		1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel sectio (Sch: of Sant: I-141, P-80)	n 8"x4" Girders.			
		1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672

Excavation for pipe line entrence imming and dressing sides to the few soft trenches to correct leverage in the correct leverage in charge providing few rossing for non-vehicular trafficular traffic	true alignment and vel and grade cutti thin a one chain as nee guards light fact where ever requin (30.5 m) (P.H.S 33000.00 Cft B (equivalent maing and jointing water to head 61 m 3500.00 Rft.	shape leveling ing joint hoes is directed by gs and temporary ired lift up 5 ft lead I-3 P-46) @Rs 3600.00 ke) make with Z joint with	P%0Cft	Rs 118800	
rimming and dressing sides to the floor beds of trenches to correct leval disposal of surplus earth with the rossing for non-vehicular traffication of the floor beds and the floor beds	true alignment and vel and grade cutti thin a one chain as nee guards light fact where ever requin (30.5 m) (P.H.S 33000.00 Cft B (equivalent maing and jointing water to head 61 m 3500.00 Rft.	shape leveling ing joint hoes ing joint hoes is directed by gs and temporary ired lift up 5 ft leads. I- 3 P- 46) @Rs 3600.00 ke) make with Z joint with meter or 200 ft.	P%0Cft	Rs 118800	
Providigng uPVC pipes of class ixing in trenches i/c cutting fitt ne rubber ring i/c testing with vP.H.S.I-1, P-22). " dia pecials cost iron fitting for PVP.H.S.(M).I-1 P-29).	33000.00 Cft B (equivalent maing and jointing water to head 61 m 3500.00 Rft.	@Rs 3600.00 ke) make rith Z joint with neter or 200 ft.		Rs 118800	
ixing in trenches i/c cutting fitt ne rubber ring i/c testing with v P.H.S.I-1, P-22). " dia "pecials cost iron fitting for PV P.H.S.(M).I-1 P-29).	ing and jointing wwater to head 61 m 3500.00 Rft.	with Z joint with meter or 200 ft.	D.T.C		
" dia pecials cost iron fitting for PV P.H.S.(M).I-1 P-29).		@Rs 90.00	D 70		
P.H.S.(M).I-1 P-29).	-		P-Rft	Rs 315000	
EE WITH FLANGE " dia	C pipe 5.00 Nos:	@Rs: 1160.00	Each	Rs: 5800	
BEND WITH FLANGE " dia	5.00 Nos:	@Rs: 850.00	Each	Rs: 4250	
" dia END PLUGG	2.00 Nos:	@Rs 1218.00	Each	Rs: 2436	
" dia 'AIL PIECE	3.00 Nos:	@Rs: 368.75	Each	Rs: 1106	
" dia	22.00 Nos:	@Rs: 375.00	Each	Rs: 8250	
" dia GIBAULT JOINT	2.00 Nos:	@Rs 487.50	Each	Rs: 975	
" dia	22.00 Nos:		Each	Rs: 12513	
" dia	2.00 Nos:	@Rs 731.25	Each	Rs: 1463	
C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2).					
" dia	1.00 Nos:	@Rs: 4290.00	Each	Rs: 4290	
" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs: 5460	
	_	head of 200			
" dia	40.00 Rft	@Rs: 669.17	P/Rft	Rs: 26767	
The state of the s	ND PLUGG ' dia AIL PIECE ' dia ' dia IBAULT JOINT ' dia ' dia ' dia '.I Sluice valve heavy patter tes P.H.S.(M).I-12, P-2). ' dia ' dia '.I Pipe of approved quality to Sch: of mat: W/S & Sant: I-1, I ' dia roviding laying and fixing in to c: complete in all respect the I	ND PLUGG 'dia 3.00 Nos: AIL PIECE 'dia 22.00 Nos: 'dia 2.00 Nos: IBAULT JOINT 'dia 22.00 Nos: 'dia 22.00 Nos: 'dia 22.00 Nos: 'dia 22.00 Nos: 'dia 20.00 Nos: 'dia 1.00 Nos:	ND PLUGG 'dia 3.00 Nos: @Rs: 368.75 AIL PIECE 'dia 22.00 Nos: @Rs: 375.00 'dia 2.00 Nos: @Rs 487.50 IBAULT JOINT 'dia 22.00 Nos: @Rs: 568.75 'dia 22.00 Nos: @Rs 731.25 I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/se P.H.S.(M).I-12, P-2). 'dia 1.00 Nos: @Rs: 4290.00 'dia 1.00 Nos: @Rs: 5460.00 I Pipe of approved quality to be tested pressure head of 200 Sch: of mat: W/S & Sant: I-1, P-133). 'dia 40.00 Rft @Rs: 669.17	ND PLUGG 'dia 3.00 Nos: @Rs: 368.75 Each AIL PIECE 'dia 22.00 Nos: @Rs: 375.00 Each 'dia 2.00 Nos: @Rs 487.50 Each IBAULT JOINT 'dia 22.00 Nos: @Rs: 568.75 Each 'dia 2.00 Nos: @Rs: 731.25 Each 'dia 2.00 Nos: @Rs 731.25 Each 'dia 1.00 Nos: @Rs 731.25 Each 'A.I. Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. 'P.H.S.(M).I-12, P-2). 'dia 1.00 Nos: @Rs: 4290.00 Each 'dia 1.00 Nos: @Rs: 5460.00 Each 'dia 1.00 Nos: @Rs: 5460.00 Each 'dia 40.00 Rft @Rs: 669.17 P/Rft 'roviding laying and fixing in trenches i/c fitting jointing and testing c: complete in all respect the high density polythylene P.E pipes	

@Rs: 224

P/Rf

Rs: 448000

2000 Rft.

(HDPE-100) for W/S confirming ISO 4427/DIN8074/8075

B.S 3580 & PSI 3051. (P.H.S.I-1, P-25). (P.N. 08)

4" dia (110mm)

	1		T		T	
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
7	Specials for high density polytl	nylene P.E pipes				
	(HDPE-100) (P.H.S.(M).I-IX P	P-18). (P.N . 08)				
	BEND 90 degree					
	4" dia (110mm)	1.00 Nos:	@Rs 1655	Each	Rs: 1655	
	BEND 45 degree					
	4" dia (110mm)	1.00 Nos:	@Rs 1324	Each	Rs: 1324	
8	Butt Fusion joint. (P.H.S.(M).I	-H. P-20)				
Ü	4" dia (110mm)	2.00 Nos:	@Rs: 1000.00	Each	Rs: 2000	
	,					
9	Providing and fixing M.S flang	ed made out of M.S	S plate having a thic	kness		
	and total weight as mentioned					
	of making holes facing welding	gg nuts bolts rubber	packing white lead			
	fitter cartage etc: complete.(PH	S.I-8, P-) (Part-	·C).			
	4" dia (110mm)	4.00 Nos:	@Rs: 1148.00	Each	Rs: 4592	
10	Jointing C.I/M.S flanged pipe					
	trench i/c supplying rubber pac					
	bolts with washers etc and other	_		the		
	joints to the specified pressure	•	·			
	3" dia		@Rs: 499.00	P-Joint	Rs: 10978	
	4" dia	2.00 Joints	@Rs: 513.00	P-Joint	Rs: 1026	
11	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to12" dia wit 18" (457 mm) dia inside cost iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" 12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S foot rest at every one foot beyond 21/2 ft depth curing excavation back f illing and disposal of surplus earth etc complete (P.H.S- I-1 P-40) 2.00 Nos: @Rs: 18820.00 Each Rs: 37640					
12	Refilling the excavated stuff in	trenches 6" thick I	aver i/c watering			
	ramming to fu compaction etc					
		29700.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 81972	
					Rs 1096296	
<u>''D''</u>	CONSTRUCTION OF L.S.R	:				
1	Excavation in foundation of bu	ilding bridges and o	other structures			
	i/c dig billing dressing refilling	around the structur	res with excavated			
	Earth watering ramming up to 3	5ft (b) in ordinary s	oil (G.S.I-18/ P/4)			
		192.15 Cft	@Rs 3176.25	P%0Cft	Rs 610	
2	Cement concrete plain i/c placi		_			
	and curing complete i/c screeni	-				
	aggregate without shuttering (1		·	De Co	D 10000	
	(1:2:4).	85.87 Cft	@Rs 14429.25	P%Cft	Rs 12390	

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
3	Cement concrete plain i/c placi					
	and curing complete i/c screeni	•				
	aggregate without shuttering (1:4:8).	Ratio 1:4:8).(G.S.1-: 113.82 Cft	@Rs 11288.75	P%Cft	Rs 12849	
	(1.4.0).	113.02 Cit	@RS 11200.75	1 /0 CIt	KS 1204)	
4	Pacca brick work in foundation sand mortar(1:6)(G.S.I No. 4 P	-	nt			
	sand mortal (1.0)(0.3.11vo. 41	183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956	
5	Filling watering ramming earth		-			
	earth from out side lead upto or	•				
		45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69	
6	Cement plaster (1:4) up to 12'h	neight ½"thick (G.S	.I-11/ P/51)			
	1	345.63 Sft	@Rs 2283.93	P%Sft	Rs 7894	
7	D.C.C1-1/111-1 1					
7	R.C.C work i/c all labour and r reinforcement and its labour fo					
	This rate also i/c all kinds of fo					
	rendering and finishing the exp	_		C work in		
	roof slab beams columns rafts l					
	situ or prrecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).					
	cement2 Cit, sand 4 cit sningle	230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645	
		230.40 CIt	@K\$ 337.00	r/Cit	Ks. 77043	
8	Fabrication of mild steel reinfo					
	laying in position making joint					
	(also i/c removal of rust from b		·	D/C4	Day 56560	
		11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569	
9	Cement plaster (1:4) up to 12'h	neight 3/4"thick (G.	S.I-11/ P/51)			
		251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576	
10						
10	Supply of Dampo. (Sch: of Ma	t: 1-46, P-4) 5.01 Kg	@Rs 125.00	P/Kg	Rs 626	
		3.01 Kg	erts 125.00	17116	165 020	
11	Providing Laying G.I Pipe app					
	pressure i/c fixing cutting and f	-				
	3/4" dia(Medum)	6.00 Rft.	@Rs: 62.38	P/Rft.	Rs: 374	
	3" dia	25.00 Rft.	@Rs: 304.02	P/Rft.	Rs: 7601	
12	Providing and fixing M.S flang	ged made out of M.S	s plate having a thic	kness		
	and total weight as mentioned	_				
	of making holes facing welding					
	fitter cartage etc: complete.(PH		, ·	Each	Day 4725	
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725	
13	Supplying and fixing in positio	n brass bib cock 3/	4" dia standared pat	ttern		
	(Sant: Sch: I-1-ii, P-16).		-			
	3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396	

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
14	C.I Bend with flanged ends with		facing			
	flanged for all size (P.H.S.(M).	1-8, P-11). 0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621	
		0.15 CW	C145 0070.00	1,0,,,	115 2021	
15	Cost iron specials for A.C pres	sure pipes of class I 1.00 Nos:	B ACIL (PHS(M)I- @Rs 375.00	VII, P-15). Each.	Rs 375	
		1.00 Nos.	@K\$ 3/3.00	Eacii.	KS 3/3	
16	Jointing C.I/M.S flanged pipe					
	trench i/c supplying rubber pac bolts with washers etc and other	•		g the		
	joints to the specified pressure	•		5 tile		
	3" dia	6.00 Joints	@Rs: 499.00	P-Joint	Rs: 2994	
17	Providing C.I Man hole cover &	& frame i/c cost of i	material etc: (PHS.)	I-1, P-35)		
	C	1.00 Cwt	@Rs: 6985.00	P/Cwt	Rs: 6985	
10	C I Chrise velve heavy netter to	est massauma 21 V a/a	a. am an 200 lba/aa	u in ah		
10	C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2).					
	3"dia.	1.00 No:	@Rs 4290.00	Each.	Rs 4290	
19	P/F C.I Ventilator weight not to be less than 90 lbs once in roof tank of approved design rain with water right joints i/c painting etc: complete.					
	(P.H.S.I-4, P-48).					
		1.00 No:	@Rs 4870.00	Each.	Rs 4870 Rs: 234416	
		2 x	234416	=	Rs: 468831	
<u>"E"</u>	REPAIR OF TRANSFORMI	<u>ER</u>				
4	Providing and laying (MAIN O					
	with size 4-7/0.044 (6mm2) cop PVC conduit on surface in the					
	(Elec: Sch: I-33,P-5)					
		20.00 Meter	@Rs: 566.00	P/Meter	Rs: 11320 Rs: 11320	
					KS. 11320	
		ABSTRACT				
			h: Items Sch: Items		Total amount	
"A"	TUBE WELL	(165594		Rs: 165594	

		Non Sch: Items	Sch: Items	Total amount
"A"	TUBE WELL	0	165594	Rs: 165594
"B"	PUMP HOUSE FOR TUBE WELL	0	401230	Rs: 401230
"C"	PVC PIPE LINE	0	1096296	Rs: 1096296
"D"	CONSTRUCTION OF L.S.R	0	468831	Rs: 468831
"E"	REPAIR OF TRANSFORMER	0	11320	Rs: 11320
	TOTAL AMOUNT	0	2143271	Rs: 2143271

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
	(2) - REHABILITATION OF	WATER SUPPLY	SCHEME SHAH	GODERIC	<u>2</u>	
" A "	TALUKA MEHAR DISTRICT TUBE WELL Boring of Tube Well in all wat level up to 100 ft or 30.5 m dep and casing pipes (P.H.I.S No 1	er bearring soil fror oth i/c sinking and v	-			
	12" Dia.	100.00 Rft	@Rs 743.00	P-Rft	Rs 74300	
2	Boring of Tube Well in all wat level from 100 to 200 ft dapth is and casing pipes (P.H.I.S No 2 12" Dia.	i/c sinking and with	•	P-Rft	Rs 16980	
	12 1514.	20.00 101	C 165 0 15.00	1 Idi	10,000	
3	Providing strong substantily but for preserving 2 lbs (1K.g) same	ples startes (P.H.S.	I No 5 P/ 43)	F 1	D 2520	
		1.00 Nos	@Rs 3530.00	Each	Rs 3530	
4	Taking & Preserving inbox 2 lb etc (P.H.S.I No. 6 P/ 43)					
		4.00 Nos	@Rs 101.00	Each	Rs 404	
5	Taking samples of water from bottles (P.H.S.I.No 7 P/ 37)	bore holes and place	e in two separate			
		4.00 Nos	@Rs 131.00	Each	Rs 524	
6	Supplying & Instaling PVC strainer Pipe "B" class of approved designed quality i/c necessary socket etc Complete (P.H.S.I-9, P-43)					
	8" dia	60.00 Rft	@Rs 554.05	P-Rft	Rs 33243	
7	Supplying & Instaling PVC blind Pipe "B" class of approved designed quality and make i/c necessary socket etc complete (P.H.S.I-12, P-42)					
	8" dia	60.00 Rft	@Rs 516.80	P-Rft	Rs 31008	
8	M.S bail plugged of approved of 8" dia	1.00 No:	@Rs 2607.00	26) Each	Rs 2607	
9	Shrounding with Graded bajri (bitumen bore an plind pipe (I					
	8" dia	120.00 Rft	@Rs 105.00	P-Rft	Rs 12600	
10	Development charges of Tube	well(PHE.I-8, P-43	5))			
		120.00 Rft	@Rs 200.00	P/Rft	Rs 24000 Rs: 199196	
<u>"B"</u>	PUMP HOUSE FOR TUBE VEX. Excavation in foundation of bu		other structures			
1	I/c dag belling dressing refilling		res with excavated	J- 10 D//	24)	

Earth watering ramming lead up to one chain and lift up to 5' (G.S.I. No. 18 P/04)

P%0 Cft Rs: 570 179.50 Cft @Rs: 3176.25

	Description of item to be		Ī	I I			
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
2	Cement concrete brick or stone		gauge.				
	(Ratio 1:4:8) (G.S.I No. 4 P/ 14	83.50 Cft	@Rs: 9416.28	P%Cft	Rs: 7863		
3	Cement concrete plain i/c placicuring complete i/c screening a without shuttering (Ratio 1:3:6	and washing of ston	e aggregate				
		215.00 Cft	@Rs: 12595.00	P%Cft	Rs: 27079		
4	Erection and removal of center	-					
	of Partal Wood 1 st class(vertical			Do/ GG	D 10750		
		344.00 Sft	@Rs: 3127.41	P%Sft	Rs 10758		
5	Filling Watering and ramming earth in floor with new earth excavated from out side lead upto 1 chain and lift upto 5' (G.S.I No 22 P- 4)						
	•	300.00 Cft	@Rs: 3630.00	P%0Cft	Rs: 1089		
6	Pacca brick work in ground flo (G.S.I. No 5 P/ 20)	or cement, sand, mo	ortar (1:6)				
	,	312.83 Cft	@Rs: 12674.36	P%Cft	Rs: 39649		
7	R.C.C work i/c 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/c all kinds of forms moulds lifting, shutting, curing, rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ½" gauge. (G.S.I No. 6 P/ 16).						
		93.09 Cft	@Rs: 337.00	P/Cft	Rs: 31371		
8	Fabrication of mild steel reinforcement for C.C i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire (also i/c removal of rust from bars).(G.S.I No 8 P/ 16)						
		3.74 Cwt	@Rs: 5001.70	P/Cwt	Rs: 18706		
9	Providing and laying 3" thick to toping Cement Concrete (1:2:4) I/c surface, finishing and dividing in to panel (GSI No. 16 P/41)						
		100.00 Sft	@Rs: 4411.82	P%Sft	Rs: 4412		
10	Cement, Plaster (1:6) up to 12'	height ½" thick (G 363.50 Sft	6.S.I. No.13 P/51) @Rs: 2206.60	P%Sft	Rs: 8021		
11	Cement, Plaster (1:4) up to 12'	height 3/8" thick (4 363.50 Sft	G.S.I. No.11 P/51) @Rs: 2197.52	P%Sft	Rs: 7988		
12	Cement, Pointing struck joint of	on walls (1:3) (G.S. 423.50 Sft	.I. No.19 P/52) @Rs: 1213.58	P%Sft	Rs: 5140		
13	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No	bars 4" Center to ce		on			

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
		24.50 Sft	@Rs: 726.72	P/Sft	Rs: 17805		
14	Fabrication of heavy steel work with angles tees, flat iron round iron and sheet iron for making trsses girders, tanks etc: i/c cutting tanks etc: i/c cutting drilling riveting handling assembling and fixing but excluding erection in position. (CSI- 2, P-91) 1.02 Cwt @Rs: 4928.49 P/Cwt Rs: 5027						
15	Erection and fitting in position of iron trusses staging of water tanks etc: (C.S.I.No. 3 P/91) 1.02 Cwt @Rs: 271.04 P/Cwt R						
16	Supplying and fixing in positio approved design i/c painting 0 than 3 Lbs/sq: foot of finished	n iron steel grill of 3 coats etc complete	³ / ₄ " x ¹ / ₄ " size flat in e (weight not to be l	on of	Rs 276 Rs: 2166		
17	PAINTING NEW SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6	of door and windov		P%Sft	Rs: 1545		
18	White washing of three coats (@Rs: 829.95	P%Sft	Rs: 1552		
19	Color Washing (2 coats) (G.S.I	i.No:25, P/53). 187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608		
20	Providing and fixing C.I manho i/c cost of material etc: (P.H.S.			P/Cwt.	Rs: 4318		
21	Supplying R.S.J channel sectio (Sch: of Sant: I-141, P-80)	n 8"x4" Girders.					
		1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672 Rs: 200615		
"C" 1	Supplying 3 core 16mm2 PVC cable . (Elec: Sch: of Mat: I-1, P-159)						
2	Description Leading and Carlos in a	400.00 Rft	@Rs: 240.78	P/Rft	Rs: 96312 Rs: 96312		
2	Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipe (HDPE-100) for W/S confirming ISO confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (G.S.I-1, P-25). PN 10.						
2	CID. 1 1 1	20.00 Rft.	@Rs: 178.00	P/Rft.	Rs: 3560		
3	C.I Bend with flanged end with (P.H.S (M) I. No 8 P/ 12)	0.39 Cwt.	nd facing of flanges @Rs: 6096.00	for all siz	e Rs: 2377		

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
4	C.I sluice valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No 16 P/11)					
	3" dia	1.00 Nos:	@Rs: 4290.00	Each.	Rs: 4290	
5	Reflex valve heavy pattern test (P.H.S (M) I No C P/11)	pressure 21 kg/sq,	cm or 300 lbs /sq	inch		
	3"dia.	1.00 Nos:	@Rs: 1543.75	Each.	Rs: 1544	
6	Providing and fixing M.S flanged made out of M.S plate having a thickness and totl weight as mentioned against each item. It includes the cost of making holes facing welding nuts bolts rubber packing white lead fitter cartage etc: complete. P.H.S.I-8, P- ((Part-C).					
	3" dia	8.00 Nos:	@Rs: 945.00	Each	Rs: 7560	
7	Butt Fusion joint. (P.H.S.(M).I-3" dia	-H, P-20) 8.00 Nos:	@Rs: 600.00	Each	Rs: 4800	
	supplying of the rubber packing and washers etc and other tools joints in the specified pressure 3" dia.	required for jointing	ng and testing the	P/Joint.	Rs: 3992 Rs: 28123 Rs: 96312	
		1 2	x 96312 x 28123	=	Rs: 96312 Rs: 56246 Rs: 152558	
"D"	P.E PIPE LINE					
1	Excavation for pipe line entrenches and pits in soft soils i/c 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 (1.52 m) and lead up to one chain (30.5 m) (P.H.S.I- 3 P- 46) 15000.00 Cft @Rs 3600.00 P%0Cft Rs 54000					
2	Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene P.E pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. (P.H.S.I-1, P-25). (P.N. 08)					
	3" dia (90mm)	1000.00 Rft.	@Rs 148.00	P-Rft	Rs 148000	
	4" dia (110mm) 6" dia (160mm)	1000.00 Rft. 300.00 Rft.	@Rs 224.00 @Rs 440.00	P-Rft P-Rft	Rs 224000 Rs 132000	
3	Specials for high density polytl (HDPE-100) (P.H.S.(M).I-IX P					

TEE

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
	3" dia (90mm)	3.00 Nos:	@Rs 1341.00	Each	Rs 4023		
	4" dia (110mm)	2.00 Nos:	@Rs 1986.00	Each	Rs: 3972		
	6" dia (160mm)	1.00 Nos:	@Rs 4175.00	Each	Rs: 4175		
	BEND 45 degree						
	3" dia (90mm)	3.00 Nos:	@Rs: 894.00	Each	Rs: 2682		
	4" dia (110mm)	2.00 Nos:	@Rs 1324.00	Each	Rs: 2648		
	6" dia (160mm)	1.00 Nos:	@Rs 2784.00	Each	Rs: 2784		
4	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2).	est pressure 21 Kg/s	q: cm or 300 lbs/sq:	inch.			
	3" dia (90mm)	1.00 Nos:	@Rs: 4290.00	Each	Rs: 4290		
	4" dia (110mm)	1.00 Nos:	@Rs: 5460.00	Each	Rs: 5460		
	6" dia (160mm)	1.00 Nos:	@Rs: 9360.00	Each	Rs: 9360		
	End Plugg.						
	3" dia (90mm)	3.00 Nos:	@Rs: 368.75	Each	Rs: 1106		
5	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia (90mm) 4" dia (110mm) 6" dia (160mm)	against each item. l	It includes the cost packing white lead		Rs: 1002 Rs: 1194 Rs: 1610		
6	Butt Fusion joint. (P.H.S.(M).I						
	3" dia (90mm)	10.00 Nos:	@Rs: 600.00	Each	Rs: 6000		
	4" dia (110mm)	6.00 Nos:	@Rs: 1000.00	Each	Rs: 6000		
	6" dia (160mm)	5.00 Nos:	@Rs: 1000.00	Each	Rs: 5000		
7	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40) 3" dia (90mm) 2.00 Joints @Rs: 499.00 P-Joint Rs: 998 4" dia (110mm) 2.00 Joints @Rs: 513.00 P-Joint Rs: 1026						
	6" dia (160mm)	2.00 Joints	@Rs: 938.00	P-Joint	Rs: 1876		
8	Providing chamber 21/2x21/2 (1372 mm) deep as per approve 457 mm) dia inside cost iron co (102 mm) thick (with 5 lbs ste wall set in 1:6 cement mortar 6 in foundation 1" (25 mm) thick cement plaster 1:3 to all inside M.S foot rest at every one foot illing and disposal of surplus early 1.5 mm.	ed design for sluice over and frame (wt= eel per cft) 9" (299 a " (1152 mm) thick a cement concrete 1 a wall surface and to beyond 21/2 ft depo	value 3" to12" dia value 3" to12" dia value 1 cwt qr) fixed in Imm) thick brick massement concrete 1:3:2:4 flooring ½" 12.0 top i/c providing a	R.C.C 1:2: sonry 6:6 5 mm) thind fixing			
9	Refilling the excavated stuff in ramming to fu compaction etc	complete (P.H.S- I-	24 P-53)	P%0Cft	Rs: 37260		

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S.No: Description of item to be executed at site Quantity Rate Unit Amount

Rs 716925

"E"	REPAIR	OF	L.S.R
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Excavation in foundation of building bridges and other structures i/c dig billing dressing refilling around the structures with excavated Earth watering ramming up to 5ft (b) in ordinary soil (G.S.I-18/ P/4)

59.75 Cft @Rs 3176.25 P%0Cft Rs 190

2 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:2:4).(G.S.I-5 P/15) (1:2:4). 52.25 Cft @Rs

52.25 Cft @Rs 14429.25 P%Cft Rs 7539

3 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:4:8).(G.S.I-5 P/17

(1:4:8). 52.25 Cft @Rs 11288.75 P%Cft Rs 5898

4 Pacca brick work in foundation and plinth in cement sand mortar(1:6)(G.S.I No. 4 P/20)

48.36 Cft @Rs 11948.36 P%Cft Rs 5778

5 Cement plaster (1:4) up to 12'height ½"thick (G.S.I-11/ P/51)

Providing Laying G.I Pipe approved quality to be tested pressure i/c fixing cutting and fitting. (Sant: Sch: I-1, P-12)

3/4" dia 10.50 Rft. @Rs: 62.38 P/Rft. Rs: 655 3" dia 12.00 Rft. @Rs: 304.02 P/Rft. Rs: 3648

Providing and fixing M.S flanged made out of M.S plate having a thickness and total weight as mentioned against each item. It includes the cost of making holes facing welding nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).

3" dia 7.00 Nos: @Rs: 945.00 Each Rs: 6615

8 Supplying and fixing in position brass bib cock 3/4" dia standared pattern (Sant: Sch: I-1-ii, P-16).

3/4"dia. 7.00 Nos: @Rs 348.92 Each. Rs 2442

9 C.I Bend with flanged ends with holes i/c turning facing flanged for all size (P.H.S.(M).I-8, P-11).

0.29 Cwt @Rs 6096.00 P/Cwt. Rs 1768

Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40)

3" dia 7.00 Joints @Rs: 499.00 P-Joint Rs: 3493

11 C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2).

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	3"dia.	1.00 No: 56802 x	@Rs 4290.00 2 =	Each. Total.	Rs 4290 Rs: 56802 Rs: 113604
"F"	CHAMBER FOR TUBE WEL	L			
1	Excavation in foundation of bu I/c dag belling dressing refilling Earth watering ramming lead u	ilding bridges and g around the struct	ures with excavated)4)
		562.20 Cft	@Rs: 3176.25	P%0 Cft	Rs: 1786
2	Cement concrete brick or stone (Ratio 1:4:8) (G.S.I No. 4 P/ 14		gauge.		
		42.39 Cft	@Rs: 9416.28	P%Cft	Rs: 3992
	reinforcement and its labour fo This rate also i/c all kinds of fo rendering and finishing the exp roof slab beams columns rafts l situ or prrecast laid in position (G.S.I No. 6 P/ 16).	orms moulds lifting cosed surface (i/c s/ intels and other str	, shutting, curing, w of shingle) (a) R. uctural members la	id in	
	,	178.37 Cft	@Rs: 349.00	P/Cft	Rs: 62251
4	Fabrication of mild steel reinfo laying in position making joints (also i/c removal of rust from b	s and fastening i/c	cost of binding wire		Rs: 35812
5	Cement concrete plain i/c placi curing complete i/c screening a without shuttering (Ratio 1:3:6	nd washing of stor	e aggregate		
		360.29 Cft	@Rs: 12595.00	P%Cft	Rs: 45379
6	Erection and removal of center	ing for R.C.C or pl	ain C.C Work		
	of Partal Wood 1st class(vertica	•			
		675.00 Sft	@Rs: 3127.41	P%Sft	Rs 21110
7	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	etc: i/c cutting tan	ks etc: i/c cutting da	rilling rivet	ing
8	Erection and fitting in position (C.S.I.No. 3 P/ 91)	of iron trusses stag	ging of water tanks	etc:	
	(C.S.I.IVO. 3 F/ 91)	4.62 Cwt	@Rs: 271.04	P/Cwt	Rs 1252 Rs: 194351

ABSTRACT

	<u> </u>	Non Sch: Items	Sch: Items	Total amount
"A"	TUBE WELL	0	199196	Rs: 199196

S.No:	Description of item to be executed at site	Quantity		Rate	Unit	Amount
"B"	PUMP HOUSE FOR TUBE W	ELL (0	200615		Rs: 200615
"C"	INTER CONNECTION AND I	PUMPING	0	152558		Rs: 152558
"D"	P.E PIPE LINE	(0	716925		Rs: 716925
"E"	REPAIR OF L.S.R	(0	56802		Rs: 56802
"F"	CHAMBER FOR TUBE WEL	L (0	194351		Rs: 194351
	TOTAL AMOUNT		0	1520448		Rs: 1520448

(3) - REHABILITATION OF WATER SUPPLY SCHEME MIAN NASEER MUHAMMAD KALHORO

TALUKA K.N.SHAH DISTRICT DADU

A'' R.C. SUMP WELL (10'x10)

Excavation in foundation of building bridges and other structures. I/c dag 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)

1729.00 Cft @Rs: 3176.25 P%0 Cft Rs: 5492

2 Cement concrete brick or stone ballast 1 ½" to 2" gauge. (Ratio 1:4:8) (G.S.I No. 4 P/ 14)

185.25 Cft @Rs: 9416.28 P%Cft Rs: 17444

R.C.C work i/c 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/c all kinds of forms moulds lifting, shutting, curing, rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in roof slab beams columns rafts lintels and other structural members laid in situ or prrecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).

741.00 Cft @Rs: 337.00 P/Cft Rs: 249717

4 Fabrication of mild steel reinforcement for C.C i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire (also i/c removal of rust from bars).(G.S.I No 8 P/ 16)

29.77 Cwt @Rs: 5001.70 P/Cwt Rs: 148901

Rs: 421553

"B" PUMPING MACHINARY

Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipe (HDPE-100) for W/S confirming ISO confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (G.S.I-1, P-25).

PN 10.

6" dia 24.00 Rft. @Rs: 530.00 P/Rft. Rs: 12720

2 C.I Bend with flanged end with holes i/c turning and facing of flanges for all size (P.H.S (M) I. No 8 P/ 12)

0.53 Cwt. @Rs: 6096.00 P/Cwt. Rs: 3200

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
3	C.I sluice valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No 16 P/11)						
	6" dia	2.00 Nos:	@Rs: 9360.00	Each.	Rs: 18720		
4	Reflex valve heavy pattern test (P.H.S (M) I No C P/11)	pressure 21 kg/sq,	cm or 300 lbs /sq ir	nch			
	6"dia.	2.00 Nos:	@Rs: 4062.50	Each.	Rs: 8125		
5	Providing and fixing M.S flang thickness and totl weight as me the cost of making holes facing white lead fitter cartage etc: co 6" dia	entioned against eac welding nuts bolts	h item. It includes rubber packing	Each	Rs: 24320		
6	Butt Fusion joint. (P.H.S.(M).I	ц р 20)					
6	6" dia	16.00 Nos:	@Rs: 1000.00	Each	Rs: 16000		
7	Jointing C.I/M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washers etc and other tools required for jointing and testing the joints in the specified pressure etc complete (P.H.S I No 1 P/40)						
	6" dia.	8.00 Nos:	@Rs: 938.00	P/Joint.	Rs: 7504 Rs: 90589		
<u>"C"</u>	P.E PIPE LINE						
1	Excavation for pipe line entrenches and pits in soft soils i/c 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 (1.52 m) and lead up to one chain (30.5 m) (P.H.S.I- 3 P- 46) 13730.00 Cft @Rs 3600.00 P%0Cft Rs 49428						
2	Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene P.E pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. (P.H.S.I-1, P-25). (P.N. 08)						
	3" dia (90mm)	650.00 Rft.	@Rs 148.00	P-Rft	Rs 96200		
	4" dia (110mm) 6" dia (160mm)	450.00 Rft. 950.00 Rft.	@Rs 224.00 @Rs 440.00	P-Rft P-Rft	Rs 100800 Rs 418000		
3	Specials for high density polytl (HDPE-100) (P.H.S.(M).I-IX F BEND 45 degree						
	3" dia (90mm)	1.00 Nos:	@Rs: 894.00	Each	Rs: 894		
	4" dia (110mm) 6" dia (160mm)	1.00 Nos: 1.00 Nos:	@Rs 1324.00 @Rs 2784.00	Each Each	Rs: 1324 Rs: 2784		
	BEND 90 degree 3" dia (90mm)	1.00 Nos:	@Rs: 1118.00	Each	Rs: 1118		

	Description of item to be		_		
S.No:	executed at site	Quantity	Rate	Unit	Amount
	4" dia (110mm)	1.00 Nos:	@Rs 1655.00	Each	Rs: 1655
	6" dia (160mm)	1.00 Nos:	@Rs 3480.00	Each	Rs: 3480
	TEE EQUAL				
	3" dia (90mm)	1.00 Nos:	@Rs 1341.00	Each	Rs 1341
	4" dia (110mm)	1.00 Nos:	@Rs 1986.00	Each	Rs: 1986
	6" dia (160mm)	1.00 Nos:	@Rs 4175.00	Each	Rs: 4175
	BUTT FUSION JOINT				
	3" dia (90mm)	10.00 Nos:	@Rs: 600.00	Each	Rs: 6000
	4" dia (110mm)	10.00 Nos:	@Rs 1000.00	Each	Rs: 10000
	6" dia (160mm)	10.00 Nos:	@Rs 1000.00	Each	Rs: 10000
	END PLUGG				
	3" dia (90mm)	1.00 Nos:	@Rs: 382.00	Each	Rs: 382
	TAIL PIECE				
	3" dia (90mm)	6.00 Nos:	@Rs: 568.00	Each	Rs: 3408
	4" dia (110mm)	6.00 Nos:	@Rs 612.00	Each	Rs: 3672
	6" dia (160mm)	6.00 Nos:	@Rs 1298.00	Each	Rs: 7788
	GIBAULT JOINT				
	3" dia (90mm)	6.00 Nos:	@Rs: 568.75	Each	Rs: 3413
	4" dia (110mm)	6.00 Nos:	@Rs 731.25	Each	Rs: 4388
	6" dia (160mm)	6.00 Nos:	@Rs 1062.50	Each	Rs: 6375
	Providing laying RCC pipes of				
	of class - II wall B and fixing in				
	jointing with rubber rings i/c te	sting with water to	specified pressure.		
	(P.H.S.I-1, P-17)				
	12" dia	48.00 Rft	@Rs: 412.00	P/Rft	Rs: 19776
	C.I Sluice valve heavy patter te	st pressure 21 Kg/s	q: cm or 300 lbs/sq	: inch.	
	(P.H.S.(M).I-12, P-2).	1.00.33	OD 400000		D 4200
	3" dia (90mm)	1.00 Nos:	@Rs: 4290.00	Each	Rs: 4290
	4" dia (110mm)	2.00 Nos:	@Rs: 5460.00	Each	Rs: 10920
	6" dia (160mm)	1.00 Nos:	@Rs: 9360.00	Each	Rs: 9360
	Jointing C.I /M.S flanged pipe				
	trench i/c supplying rubber pac bolts with washers etc and othe			g the	
joints to the specified pressure etc complete (P.H.S- I-1 P-40)					
	3" dia		@Rs: 499.00	P-Joint	Rs: 2994
	4" dia	6.00 Joints	@Rs: 513.00	P-Joint	Rs: 3078
	· · ***	0.00 001110			
	6" dia	6.00 Joints	@Rs: 938.00	P-Joint	Rs: 5628

Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to12" dia wit 18" (457 mm) dia inside cost iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" 12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
	M.S foot rest at every one foot beyond 21/2 ft depth curing excavation back						
	filling and disposal of surplus e	•	(P.H.S- I-1 P-40)		D = 5.000		
		4.00 Nos:	@Rs: 18820.00	Each	Rs: 75280		
8	Refilling the excavated stuff in	trenches 6" thick L	ayer i/c watering				
	ramming to fu compaction etc						
		12465.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 34403		
9	F.C Comet joint B class. (P.H.S	S (M) I 4 P 4)					
,	3" dia	10.00 Joints	@Rs: 99.00	P-Joint	Rs: 990		
	4" dia	8.00 Joints	@Rs: 157.00	P-Joint	Rs: 1256		
	6" dia	12.00 Joints	@Rs: 194.00	P-Joint	Rs: 2328		
10	Rubber rings for F.C Comet joi	int B class. (P.H.S.(M).I- 7. P-4)				
	3" dia	· · · · · · · · · · · · · · · · · · ·	@Rs: 58.00	P-Joint	Rs: 1160		
	4" dia	16.00 Joints	@Rs: 95.00	P-Joint	Rs: 1520		
	6" dia	24.00 Joints	@Rs: 129.00	P-Joint	Rs: 3096		
					Rs 914689		
<u>"D"</u>	REPAIR OF L.S.R						
1	Excavation in foundation of bu i/c dig billing dressing refilling Earth watering ramming up to 5	around the structur	es with excavated	P%0Cft	Rs 190		
2	Cement concrete plain i/c placi and curing complete i/c screeni		•				
	aggregate without shuttering (l	Ratio 1:2:4).(G.S.I-	5 P/15)				
	(1:2:4).	64.81 Cft	@Rs 14429.25	P%Cft	Rs 9352		
3	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (I	ng and washing of	stone				
	(1:4:8).	52.25 Cft	@Rs 11288.75	P%Cft	Rs 5898		
4	Pacca brick work in foundation sand mortar(1:6)(G.S.I No. 4 P.	-	nt				
		48.36 Cft	@Rs 11948.36	P%Cft	Rs 5778		
5	Cement plaster (1:4) up to 12'h	egight 1/2"thick (G.S.	I 11/ D/51)				
3	Cement praster (1.4) up to 12 h	433.25 Sft	@Rs 2283.93	P%Sft	Rs 9895		
		433.23 Bit	e Rs 2203.73	1 /0510	165 7075		
6	Providing Laying G.I Pipe app						
	pressure i/c fixing cutting and f	•	· ·	D/D.C	Da. 655		
	3/4" dia 3" dia	10.50 Rft.	@Rs: 62.38 @Rs: 304.02	P/Rft. P/Rft.	Rs: 655 Rs: 3648		
	J uia	12.00 Rft.	wns. 304.02	r/KII.	NS. 3048		
7	Providing and fixing M.S flang			kness			

and total weight as mentioned against each item. It includes the cost

				1		
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
	of making holes facing welding					
	fitter cartage etc: complete.(PH 3" dia	IS.I-8, P-) (Part- 7.00 Nos:	C). @Rs: 945.00	Each	Rs: 6615	
	3 dia	7.00 1105.	@Ks. 743.00	Lacii	Ks. 0015	
8	Supplying and fixing in positio (Sant: Sch: I-1-ii, P-16).	on brass bib cock 3/	4" dia standared pa	ttern		
	3/4"dia.	7.00 Nos:	@Rs 348.92	Each.	Rs 2442	
9	C.I Bend with flanged ends wit flanged for all size (P.H.S.(M).	•	facing			
		0.29 Cwt	@Rs 6096.00	P/Cwt.	Rs 1768	
10	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40) 3" dia 7.00 Joints @Rs: 499.00 P-Joint Rs: 3493					
11	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2).	est pressure 21 Kg/s	q: cm or 300 lbs/sq	: inch.		
	3"dia.	1.00 No:	@Rs 4290.00	Each. Total.	Rs 4290 Rs: 54025	
		54025 x	2	=	Rs: 108049	
"E" REPAIR OF TRANSFORMER Providing and laying (MAIN OR SUB MAIN) PVC insulated with size 4-7/0.064 (6mm2) copper conductor in 1-1/2" dia PVC conduit on surface in the wall or column as required. (Elec: Sch: I-33,P-5) 40.00 Meter @Rs: 1169.00 P/Meter Rs: 46760						
					Rs: 46760	
		ABSTRACT Non Sci	h: Items Sch: Items		<u>Total amount</u>	
	D.C. CHMD WELL (101-10)		101550		D 401550	

		Non Sch: Items	Sch: Items	<u>Total amount</u>
"A"	R.C. SUMP WELL (10'x10)	0	421553	Rs: 421553
"B"	PUMPING MACHINARY	0	90589	Rs: 90589
"C"	P.E PIPE LINE	0	914689	Rs: 914689
"D"	REPAIR OF L.S.R	0	108049	Rs: 108049
"E"	REPAIR OF TRANSFORMER	0	46760	Rs: 46760
	TOTAL AMOUNT	0	1581641	Rs: 1581641

(4) - REHABILITATION OF WATER SUPPLY SCHEME RAMZAN BABAR

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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TALUKA K.N.SHAH DISTRICT DADU

"A" REPAIR OF PUMP HOUSE

1 Providing and laying 2" thick to toping Cement Concrete (1:2:4)

I/c surface, finishing and dividing in to panel (GSI N. 16 P/41)

329.25 Sft @Rs: 3275.5

P%Sft

Rs: 10785

Fabrication of heavy steel work with angles tees, flat iron round iron and sheet iron for making trsses girders, tanks etc: i/c cutting tanks etc: i/c cutting drilling riveting handling assembling and fixing but excluding erection in position. (CSI- 2, P-91)

4.11 Cwt @Rs: 4928.49 P/Cv

P/Cwt Rs: 20256

3 Erection and fitting in position of iron trusses staging of water tanks etc: (C.S.I.No. 3 P/91)

4.11 Cwt

@Rs: 271.04

P/Cwt

Rs: 1114

Supplying and fixing in position iron steel grill of 3/4" x 1/4" size flat iron of approved design i/c painting 03 coats etc complete (weight not to be less than 3 Lbs/sq: foot of finished grill) (G.S.I. NO.26 P/92)

24.00 Sft

@Rs: 180.5

P/Sft

Rs: 4332

5 PAINTING OLD SURFACE

Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)

97.00 Sft

@Rs: 2116.41

P%Sft

Rs: 2053

6 White washing of three coats (G.S.I. No.26 P/53)

213.00 Sft

@Rs: 829.95

P%Sft

Rs: 1768

7 Color Washing (2 coats) (G.S.I.No:25, P/53).

940.00 Sft

@Rs: 859.9

P%Sft

Rs: 8083

Rs: 48390

"B" P/ MACHINERY I/C I / CONNECTION

Rewinding of Electric motor 3 phase, 400/440 volts 50 cycles with best quality insolated copper wire of required gauge i/c testing on load with satisfactory result upto one week's time opening and refitting and replacing the bolts in necessary excluding the cost of worn out material (2 poles 2800). (G.S.I-97, P-109).

For Village Zangi Birohi

7.5 BHP

1.00 Set

@Rs: 8396

P/Set.

Rs: 8396

Providing and laying (MAIN OR SUB MAIN) PVC insulated with size 4-7/.044 (6mm2) copper conductor in 1" dia PVC conduit on surface. (E.S.I-19,P-3).

80.00 Meter @Rs: 566.00

P/Meter

Rs: 45280

Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipe (HDPE-100) for W/S confirming ISO confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (G.S.I-1, P-25). PN 10.

Delivery line 3"dia.

20.00 Rft.

@Rs: 178.00

P/Rft.

Rs: 3560

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
12	C.I Bend with flanged end with holes i/c turning and facing of flanges for all size						
	(P.H.S (M) I. No 8 P/ 12) 3" dia	0.39 Cwt	@Rs: 6096	P/Cwt	Rs: 2377		
13	C.I sluice valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No 16 P/11)						
	3" dia	1 Nos:	@Rs: 4290	Each.	Rs: 4290		
14	Reflex valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No C P/11)						
	3"dia.	1 Nos:	@Rs: 1543.75	Each.	Rs: 1544		
15	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia	against each item. l	It includes the cost packing white lead		Rs: 7560		
16	BUTTFUSION JOINT. (P.H.S	. ,					
	3" dia	8.00 Nos:	@Rs: 600	Each	Rs: 4800		
17	Jointing C.I/M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washers etc and other tools required for jointing and testing the joints in the specified pressure etc complete (P.H.S I No 1 P/40)						
	3" dia.	8 Nos:	@Rs: 499	P/Joint.	Rs: 3992 Rs: 81798		
"C"	PVC PIPE LINE						
1	Excavation for pipe line entrenches and pits in soft soils i/c 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 (1.52 m) and lead up to one chain (30.5 m) (P.H.S.I- 3 P- 46) 5400 Cft @Rs 3600.00 P%0Cft Rs 19440						
2	Providing uPVC pipes of Class "B" (equivalent make) make fixing in trench i/c cutting fitting and jointing with "Z" joint with one rubber ring I/c testing with water to head 61 meter or 200 ft(P.H.S.I-1, P-22)						
	3" dia	400 Rft.	@Rs 90	P-Rft	Rs 36000		
	4" dia	500 Rft.	@Rs: 137	P-Rft	Rs: 68500		
3	Special Cast iron fitting for P.V.C pipe (P.H.S.(M) I- 1 P- 29) TEE WITH FLANGE						
	3" dia	1 Nos:	@Rs: 1160.00	Each	Rs: 1160		
	4" dia BEND WITH FLANGE	1 Nos:	@Rs: 1550.00	Each	Rs: 1550		
	3" dia	1 Nos:	@Rs: 850.00	Each	Rs: 850		
	4" dia	1 Nos:	@Rs: 1218.00	Each	Rs: 1218		
	End Plugg.						

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
	3" dia	3 Nos:	@Rs: 368.75	Each	Rs: 1106		
	TAIL PIECE						
	3" dia	6 Nos:	@Rs: 375.00	Each	Rs: 2250		
	4" dia	10 Nos:	@Rs: 487.50	Each	Rs: 4875		
	Gibulat Joint 3" dia	6 Nos:	@Rs: 568.75	Each	Rs: 3413		
	4" dia	10 Nos:	@Rs: 731.25	Each	Rs: 7313		
		10 1100.	01131 / 011 2 0	2	1137 7010		
4	C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2).						
	3" dia	1 Nos:	@Rs: 4290.00	Each	Rs: 4290		
	4" dia	1 Nos:	@Rs: 5460.00	Each	Rs: 5460		
5	match the pressure head of 200 ft and handling (Sant: Sch: I-1, P-123) Medum						
	3" dia	20.00 Rft 20.00 Rft	@Rs: 304.02 @Rs: 669.17	P/Rft. P/Rft.	Rs: 6080		
	4" dia	20.00 KII	@KS: 009.17	P/KII.	Rs: 13383		
	and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia 4" dia	gg nuts bolts rubber	packing white lead	Each Each	Rs: 1890 Rs: 4592		
7	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40) 3" dia 7 Joints @Rs: 499.00 P-Joint Rs: 3493 4" dia 12 Joints @Rs: 513.00 P-Joint Rs: 6156						
8	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to12" dia wit 18" (457 mm) dia inside cost iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" 12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S foot rest at every one foot beyond 21/2 ft depth curing excavation back f illing and disposal of surplus earth etc complete (P.H.S- I-1 P-40) 2 Nos: @Rs: 18820.00 Each Rs: 37640						
9	Refilling the excavated stuff in ramming to fu compaction etc.						
	<i>C</i> F	4860.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 13414		
		1000.00 CIt	C100.00	1,00010	100, 10 11 1		

Rs 244073

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount			
"D"	REPAIR OF L.S.R							
<u>"D"</u> 1	Excavation in foundation of bu i/c dig billing dressing refilling Earth watering ramming up to 5	around the structur	es with excavated	P%0Cft	Rs 190			
2	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (1 (1:2:4). (1:4:8).	ng and washing of	stone	P%Cft P%Cft	Rs 9352 Rs 5898			
3	Pacca brick work in foundation sand mortar(1:6)(G.S.I No. 4 P.	/ 20)						
		48.36 Cft	@Rs 11948.36	P%Cft	Rs 5778			
4	Cement plaster (1:4) up to 12'h	neight ½"thick (G.S 395.57	I-11/ P/51) @Rs 2283.93	P%Sft	Rs 9035			
5	Providing Laying G.I Pipe approved quality to be tested pressure match the pressure head of 200 ft and handling (Sant: Sch: I-1, P-123) Medum							
	3/4" dia 3" dia	6.00 Rft 25.00 Rft	@Rs: 62.38 @Rs: 304.02	P/Rft. P/Rft.	Rs: 374 Rs: 7601			
6	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia	against each item. I gg nuts bolts rubber	t includes the cost packing white lead	kness Each	Rs: 4725			
7	Supplying and fixing in positio				10, 1, 20			
	(Sant: Sch: I-1-ii, P-16). 3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396			
8	C.I Bend with flanged ends wit flanged for all size (P.H.S.(M).	_	acing					
	-	0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621			
9	Jointing C.I /M.S flanged pipe trench i/c supplying rubber pac bolts with washers etc and othe joints to the specified pressure	king of the required or tools required for etc complete (P.H.	I thickness nuts jointing and testing S- I-1 P-40)		D 2004			
10	3" diaC.I Sluice valve heavy patter te		@Rs: 499.00q: cm or 300 lbs/sq:	P-Joint inch.	Rs: 2994			
	(P.H.S.(M).I-12, P-2). 3"dia.	1.00 Nos:	@Rs 4290.00	Each.	Rs 4290			

S.No:	Description of item to be executed at site	Quantity		Rate	Unit	Amount
					Total.	Rs: 54253
		6	X	54253	=	Rs: 325517

ABSTRACT

		Non Sch: Items	Sch: Items	<u>Total amount</u>
"A"	REPAIR OF PUMP HOUSE	0	48390	Rs: 48390
"B"	P/ MACHINERY I/C I / CONNECTION	0	81798	Rs: 81798
"C"	PVC PIPE LINE	0	244073	Rs: 244073
"D"	REPAIR OF L.S.R	0	325517	Rs: 325517
	TOTAL AMOUNT	0	699779	Rs: 699779

(5) - REHABILITATION OF WATER SUPPLY SCHEME LAL BUX WADHA TALUKA K.N.SHAH DISTRICT DADU

"A" 1	TALUKA K.N.SHAH DISTRICT L TUBE WELL Boring of Tube Well in all water be level up to 100 ft or 30.5 m depth i/o and casing pipes (P.H.I.S No 1, P/ 4 12" Dia.	arring soil from	C	P-Rft	Rs 74300
2	Providing strong substantily built w	ooden locked	with compartment		
	for preserving 2 lbs (1K.g) samples	startes (P.H.S.	.I No 5 P/ 43)		
		1.00 Nos	@Rs 3530.00	Each	Rs 3530
3	Taking & Preserving inbox 2 lbs (1 etc (P.H.S.I No. 6 P/43)	K.g) sample o	f strata from boar l	noles	
		4.00 Nos	@Rs 101.00	Each	Rs 404
4	Taking samples of water from bore bottles (P.H.S.I.No 7 P/ 37)	holes and plac	e in two separate		
		4.00 Nos	@Rs 131.00	Each	Rs 524
5	Supplying & Instaling PVC strainer quality i/c necessary socket etc Com			gned	
	8" dia	55.00 Rft	@Rs 554.05	P-Rft	Rs 30473
6	Supplying & Instaling PVC blind P and make i/c necessary socket etc co			ed quality	
	8" dia	45.00 Rft	@Rs 516.80	P-Rft	Rs 23256
7	M.S bail plugged of approved qualit				
	8" dia	1.00 No:	@Rs 2607.00	Each	Rs 2607
8	Shrounding with Graded bajri (3/8"	to 1/8") or 9 t	o 3mm		

	1	T		<u> </u>				
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount			
	bitumen bore an plind pipe (I 8" dia	P.H.S.I No 13 P/ 38) 100.00 Rft	@Rs 105.00	P-Rft	Rs 10500			
9	Development charges of Tube	well(P.H.S.I8, P-43 100.00 Rft	@Rs 200.00	P/Rft	Rs 20000 Rs: 165594			
<u>"B"</u>	PIIMP HOUSE FOR TURE V	NFI I						
1	" PUMP HOUSE FOR TUBE WELL Excavation in foundation of building bridges and other structures. I/c dag 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)							
		179.50 Cft	@Rs: 3176.25		Rs: 570			
2	Cement concrete brick or stone (Ratio 1:4:8) (G.S.I No. 4 P/ 14		gauge.					
		83.50 Cft	@Rs: 9416.28	P%Cft	Rs: 7863			
3	Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6) (G.S.I.No 5 P/ 15) 215.00 Cft @Rs: 12595.00 P%Cft Rs: 27079							
4	Erection and removal of center							
	of Partal Wood 1 st class(vertical	al). (G.S.I.No. 19 P/ 344.00 Sft	17) @Rs: 3127.41	P%Sft	Rs 10758			
5	Filling Watering and ramming out side lead upto 1 chain and 1			l from				
	•	300.00 Cft	@Rs: 3630.00	P%0Cft	Rs: 1089			
6	Pacca brick work in ground flo (G.S.I. No 5 P/ 20)	or cement, sand, mo	ortar (1:6)					
		312.83 Cft	@Rs: 12674.36	P%Cft	Rs: 39649			
7	R.C.C work i/c all labour and reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts situ or prrecast laid in position cement2 Cft, sand 4 cft shingle	or b/b which will be orms moulds lifting, bosed surface (i/c s/v lintels and other stru complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.O actural members laid ect. (I) Ratio 2:2:4	d in	Rs: 31371			
8	Fabrication of mild steel reinfolaying in position making joint (also i/c removal of rust from b	s and fastening i/c c	ost of binding wire	P/Cwt	Rs: 18706			
		3.7.1.0111	51 5001.70	2,000				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
9	Providing and laying 3" thick t	1 0		urface,	
	finishing and dividing in to par	•		Day 9.6	D 4440
		100.00 Sft	@Rs: 4411.82	P%Sft	Rs: 4412
10	Cement, Plaster (1:6) up to 12'	height ½" thick (G	S I No 13 P/51)		
	(111) up 11 12	363.50 Sft	@Rs: 2206.60	P%Sft	Rs: 8021
11	Cement, Plaster (1:4) up to 12'			Dov. C.C.	D 7 000
		363.50 Sft	@Rs: 2197.52	P%Sft	Rs: 7988
12	Cement, Pointing struck joint of	on walls (1:3) (G.S.	I. No.19 P/52)		
	, , , , , , , , , , , , , , , , , , ,	423.50 Sft	@Rs: 1213.58	P%Sft	Rs: 5140
13	Making and fixing steel grated		0 0	on	
	frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No		enter with		
	locking arrangement (O.S.I. IV	24.50 Sft	@Rs: 726.72	P/Sft	Rs: 17805
14	Fabrication of heavy steel work	k with angles tees f	lat iron round iron a	and sheet i	ron
1.	for making trsses girders, tanks				
	handling assembling and fixing		-	-	-
		1.02 Cwt	@Rs: 4928.49	P/Cwt	Rs: 5027
15	Erection and fitting in position	of iron trucces stag	ing of water tanks e	te:	
13	(C.S.I.No. 3 P/91)	or non trusses stag	ing of water tanks e	ic.	
	(,	1.02 Cwt	@Rs: 271.04	P/Cwt	Rs 276
16	Supplying and fixing in position	-			
	approved design i/c painting 0 than 3 Lbs/sq: foot of finished	_	_	iess	
	than 3 Los/sq. 100t of Inhished	12.00 Sft	@Rs: 180.50	P/Sft	Rs: 2166
17	PAINTING NEW SURFACE				
	Preparing surface and painting		w any type i/c		
	Edges 3 coats (G.S.I. No.5 P/6	73.00 Sft	@Rs: 2116.41	P%Sft	Rs: 1545
		75.00 Bit	GRS. 2110.41	1 /0510	13. 13.
18	White washing of three coats (G.S.I. No.26 P/53)			
		187.00 Sft	@Rs: 829.95	P%Sft	Rs: 1552
10	Color Washing (2 agets) (C.S.)	I No.25 D/52)			
19	Color Washing (2 coats) (G.S.)	1.No.23, P/33). 187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
		107.00 511	e Ks. 037.70	1 /0511	K 3. 1000
20	Providing and fixing C.I manho	ole cover with fram	me		
	i/c cost of material etc: (P.H.S.	(M)I-14, P-167) Siz	ze 2'x2'		
		1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
0.1	0 1' 5011 1 '	011 411 61 1			
21	Supplying R.S.J channel section	on 8"x4" Girders.			
	(Sch: of Sant: I-141, P-80)				

S.No:	Description of item to be	Ouantity	Rate	Unit	Amount
5.110:	executed at site	Quantity	Kate	Unit	Amount

1.03 Cwt. @Rs: 3575.00 P/Cwt.

Rs: 3672 Rs: 200615

"C" PUMPING MACHINARY

Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipe (HDPE-100) for W/S confirming ISO confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (G.S.I-1, P-25).

PN 10.

3" dia 20.00 Rft.

@Rs: 178.00

P/Rft. Rs: 3560

2 Reflex valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No C P/11)

3"dia.

1.00 Nos:

@Rs: 1543.75

Each.

Rs: 1544

3 C.I Bend with flanged end with holes i/c turning and facing of flanges for all size (P.H.S (M) I. No 8 P/12)

0.39 Cwt.

@Rs: 6096.00

P/Cwt.

Rs: 2377

4 C.I sluice valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No 16 P/11)

3" dia

1.00 Nos:

@Rs: 4290.00

Each. I

Rs: 4290

Providing and fixing M.S flanged made out of M.S plate having a thickness and totl weight as mentioned against each item. It includes the cost of making holes facing welding nuts bolts rubber packing white lead fitter cartage etc: complete. P.H.S.I-8, P- ((Part-C).

3" dia

8.00 Nos: 0

@Rs: 945.00

Each

Rs: 7560

6 Butt Fusion joint. (P.H.S.(M).I-H, P-20)

3" dia

8.00 Nos:

@Rs: 600.00

Each

Rs: 4800

Jointing C.I/M.S flanged and specials pipes and inside a trenches i/c supplying of the rubber packing of the required thickness nuts bolts and washers etc and other tools required for jointing and testing the joints in the specified pressure etc complete (P.H.S I No 1 P/40)

3" dia.

8.00 Nos:

@Rs: 499.00

P/Joint.

Rs: 3992 Rs: 28123

28123 x 2

Rs: 56246

"D" PVC PIPE LINE

Excavation for pipe line entrenches and pits in soft soils i/c 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 (1.52 m) and lead up to one chain (30.5 m) (P.H.S.I- 3 P- 46)

34800.00 Cft

@Rs 3600.00

P%0Cft Rs 125280

	ı			ı	ı	
S.No:	Description of item to be executed at site	Quantity	Rate	Unit		Amount
2	Providing uPVC pipes of Class			~ ,		
	trench i/c cutting fitting and jointing with "Z" joint with one rubber ring I/c testing with water to head 61 meter or 200 ft(P.H.S.I-1, P-22)					
	•	·		D D C	D	22.4000
	3" dia	3600.00 Rft.	@Rs 90.00	P-Rft	Rs	324000
3	Special Cast iron fitting for P.V	V.C pipe (P.H.S.(M)) I- 1 P- 29)			
	TEE WITH FLANGE 3" dia	2.00 Naga	@D = 1160.00	Each	D.a	2400
	BEND WITH FLANGE	3.00 Nos:	@Rs 1160.00	Each	Rs	3480
	3" dia	5 00 Nog	@Da 950 00	Each	Da	4250
	End Plugg.	5.00 Nos:	@Rs 850.00	Each	Rs	4250
	3" dia	3.00 Nos:	@Rs: 368.75	Each	Rs:	1106
	TAIL PIECE	5.00 NOS:	@KS: 508.75	Eacii	KS:	1100
	3" dia	12.00 Nos:	@Rs 375.00	Each	Rs	4500
	4" dia	2.00 Nos:	@Rs 487.00	Each Each	Rs	974
	Gibulat Joint	2.00 NOS.	@K\$ 467.00	Eacii	NS	9/4
	3" dia	12.00 Nos:	@Rs 568.75	Each	Rs	6825
	4" dia	2.00 Nos:	@Rs 731.25	Each	Rs	1463
	4 dia	2.00 NOS.	WKS /31.23	Eacii	KS	1403
4	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2).	est pressure 21 Kg/s	q: cm or 300 lbs/sq:	inch.		
	3" dia	1.00 Nos:	@Rs 4290.00	Each	Rs	4290
	4" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs:	5460
5	Providing Laying G.I Pipe and complete i/c the cost of breakin painting 3 coats after cleaning match the pressure head of 200 3" dia 4" dia	ng through walls and the pipe with zink p	d making good etc: paint with pigment to	0	Rs: Rs:	7208 35847
6	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PF 3" dia 4" dia	against each item. I gg nuts bolts rubber	t includes the cost packing white lead	kness Each Each	Rs: Rs:	1890 2296
7	Jointing C.I /M.S flanged pipe trench i/c supplying rubber pace bolts with washers etc and other joints to the specified pressure 3" dia 4" dia	king of the required or tools required for	I thickness nuts jointing and testing	the P-Joint P-Joint	Rs Rs	5988 1026
8	Providing laying jointing P.E.F. cutting fitting jointing with but specified pressure. (Based on s 3" dia (100mm) (O/D)	t fusion joint i/c tes	•	P/Rft	Rs	435050
		2200.00 KI	@NS 171./3	r/MI	17.8	455050

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
9	Specials for high density polytl (HDPE-100) (P.H.S.(M).I-IX F BEND 45 degree						
	3" dia (90mm)	4.00 Nos:	@Rs: 1324.00	Each	Rs: 5296		
10	P.E TEE (P.H.S.(M).I-1, P-18) 3" dia (90mm)	2.00 Nos:	@Rs: 1986.00	Each	Rs: 3972		
11	Butt Fusion joint. (P.H.S.(M).I 4" dia (125mm)	-H, P-20) 6.00 Nos:	@Rs: 1000.00	Each	Rs: 6000		
12	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to12" dia wit 18" (457 mm) dia inside cost iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" 12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S foot rest at every one foot beyond 21/2 ft depth curing excavation back f illing and disposal of surplus earth etc complete (P.H.S- I-1 P-40) 2.00 Nos: @Rs 18820.00 Each Rs 37640						
13	Refilling the excavated stuff in ramming to fu compaction etc		-	P%0Cft	Rs 86443 Rs 1110284		
"E"	LOW SERVICE RESERVIOR	R(L.S.R)					
1	Excavation in foundation of bu i/c dig billing dressing refilling Earth watering ramming up to	around the structure (b) in ordinary s	res with excavated oil (G.S.I-18/ P/4)	D% OCft	Pc 610		
2	192.15 Cft @Rs 3176.25 P%0Cft Rs 610 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:2:4).(G.S.I-5 P/15) (1:2:4). 85.87 Cft @Rs 14429.25 P%Cft Rs 12390						
3	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (1:4:8).	ing and washing of	stone	P%Cft	Rs 12849		
4	Pacca brick work in foundation sand mortar(1:6)(G.S.I No. 4 P	_	ent @Rs 11948.36	P%Cft	Rs 21956		

S.No:	executed at site	Quantity	Rate	Unit	Amount
5	Filling watering ramming earth earth from out side lead upto or		_). P%0Cft	Rs 69
6	Cement plaster (1:4) up to 12'h	neight ½"thick (G.S 345.63 Sft	.I-11/ P/51) @Rs 2283.93	P%Sft	Rs 7894
7	R.C.C work i/c all labour and no reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts labituor prrecast laid in position cement 2 Cft, sand 4 cft shingle	or b/b which will be orms moulds lifting, bosed surface (i/c s/v lintels and other stru complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.O actural members laid sect. (I) Ratio 2:2:4	d in	Rs: 77645
8	Fabrication of mild steel reinfo laying in position making joints (also i/c removal of rust from b	s and fastening i/c c	ost of binding wire	P/Cwt	Rs: 56569
		11.51 Cwt	@K\$ 3001.70	r/Cwt	KS. 30309
9	Cement plaster (1:4) up to 12'h	neight 3/4"thick (G.: 251.20 Sft	S.I-11/ P/51) @Rs 3015.76	P%Sft	Rs 7576
10	upply of Dampo (Sch: of Mat:	I-46, P-4). 5.01 Kg	@Rs 125.00	P/Kg	Rs 626
11	Providing Laying G.I Pipe app pressure i/c fixing cutting and f 3/4" dia 3" dia			P/Rft. P/Rft.	Rs: 374 Rs: 7601
12	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia	against each item. I gg nuts bolts rubber	t includes the cost packing white lead C).	kness Each	Rs: 4725
13	Supplying and fixing in positio (Sant: Sch: I-1-ii, P-16).		-		
	3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396
14	C.I Bend with flanged ends with flanged for all size (P.H.S.(M).	I-8, P-11).	-	D/G	D 0.01
		0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621
15	Cost iron specials for A.C press	sure pipes of class I 1.00 Nos:	B ACIL (PHS(M)I-V @Rs 375.00	VII, P-15). Each.	Rs 375

Quantity

Rate

Unit

Amount

Description of item to be

S.No:

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount			
16	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40) 3" dia 6.00 Joints @Rs: 499.00 P-Joint Rs: 2994							
17	Providing C.I Main hole cover	& frame i/c cost of 1.00 Cwt	material etc: (PHS. 6985.00	I-1, P-35) P/Cwt	Rs: 6985			
18	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2). 3"dia.	est pressure 21 Kg/s 1.00 No:	q: cm or 300 lbs/sq. @Rs 4290.00	inch.	Rs 4290			
19	P/F C.I Ventilator weight not to be less than 90 lbs once in roof tank of approved design rain with water right joints i/c painting etc: complete. (P.H.S.I-4, P-48).							
		1.00 No:	@Rs 4870.00	Each.	Rs 4870 Rs: 234416			
		4 x	234416	=	Rs: 937662			
		ABSTRACT	T. C. T.		T			
"A"	TUBE WELL	Non Sci	165594 Sch: Items		Total amount Rs: 165594			
"B"	PUMP HOUSE FOR TUBE W				Rs: 200615			
"C"	PUMPING MACHINARY	(56246		Rs: 56246			
"D"	PVC PIPE LINE	(1110284		Rs: 1110284			
"E"	LOW SERVICE RESERVIOR	(L.S.R)	937662		Rs: 937662			

(6) - REHABILITATION OF WATER SUPPLY SCHEME ALI PUR TALUKA K.N.SHAH DISTRICT DADU

"A" - PUMPING MACHINARY

TOTAL AMOUNT

Providing laying and jointing and fixing P.E pipes in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 BS 3580 & PSI 3051.

0

2470401

Rs: 2470401

S.No:	Description of item to be	Quantity	Rate	Unit	Amount
	executed at site (P.HSch: I-1, P-25). (P.N.10)				
	6" dia	40.00 Rft.	@Rs: 530.00	P/Rft.	Rs: 21200
	3" dia	36.00 Rft.	@Rs: 178.00	P/Rft.	Rs: 6408
2	Providing installing M.S flange	e made out of M.S s	sheet i/c cutting dril	ling	
	holes and welding with M.S pi	pe etc: complete. (S	Sant: Sch: I-1, P-5)	J	
	6" dia	17.00 Nos:	@Rs: 800.44	Each	Rs: 13607
	3" dia	8.00 Nos:	@Rs: 500.89	Each	Rs: 4007
3	C.I Bend with flanged end with for all sizes. (P.H.S (M) I. No 5	_	nd facing of flanges	S	
	101 all sizes. (F.H.S (M) 1. NO .	0.804 Cwt	@Rs: 6096	P/Cwt	Rs: 4901
					., 01
4	C.I Tee with flanged end with l	_	d facing of flanges		
	for all sizes. (P.H.S (M) I. No 5	0.196 Cwt	@Rs: 6096	P/Cwt	Rs: 1195
		0.170 CWt	@ K3. 0070	1/CWt	Ks. 1175
5	C.I sluice valve heavy pattern t	est pressure 21 kg/	sq, cm or 300 lbs /s	q inch	
	(P.H.S (M) I No 16 P/ 11)	2.00 Non	@Ba. 4200	E a ala	Do: 0500
	3" dia	2.00 Nos:	@Rs: 4290	Each.	Rs: 8580
6	Reflex valve heavy pattern test	pressure 21 kg/sq,	cm or 300 lbs /sq i	nch	
	(P.H.S (M) I No C P/11)				_
	3"dia.	2.00 Nos:	@Rs: 1543.75	Each.	Rs: 3088
7	C.I tapered flat bottomed or cer	ntral tapered flange	d end with holes		
	i/c turning facing flanged for al				
		0.89 Cwt.	@Rs: 6096	P/Cwt.	Rs: 5425
8	Foot valve heavy pattern with o	cone type gate impo	orted		
	(P.H.S (M) I No 4 P/11)	some type gate impo	7100		
	3"dia.	2.00 Nos:	@Rs: 731.25	Each.	Rs: 1463
9	Butt Fusion joint (P.H.S.(M).I-	н р 20)			
	6" dia.		@Rs: 1000	P/Joint	Rs: 11000
	3" dia.	8 Joints	@Rs: 600	P/Joint	Rs: 4800
10	Lainting CI/M S flanged and a	maniala mimas and in	sida a transhas i/a		
10	Jointing C.I/M.S flanged and spanning of the rubber packing				
	and washers etc and other tools				
	joints in the specified pressure	•	·	D/I	D 10010
	6" dia. 3" dia.	11.00 Nos: 6.00 Nos:	@Rs: 938 @Rs: 499	P/Joint. P/Joint.	Rs: 10318 Rs: 2994
	5 dia.	0.00 1105.	@ K3. 477	1/JOIII.	Rs: 98986
"B"	REPAIR OF COMPOUND V				
1	Cement concrete plain i/c placi curing complete i/c screening a		•		
	without shuttering (Ratio 1:3:6	•	00 0		
		200.00 Cft	@Rs: 12595.0	P%Cft	Rs: 25190
_					
2	Erection and removal of center of Partal Wood 1 st class(vertical				
	of Fattal wood 1 Class(vertica	11). (G.S.I.No. 19 P/ 400.00 Sft	@Rs: 3127.41	P%Sft	Rs 12510
					

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
3	Pacca brick work other than bu (G.S.I. No 5 P/ 22)	ilding cement, sand	, mortar (1:6)		
	(0.5.1.110 5 17 22)	329.30 Cft	@Rs: 12346.65	P%Cft	Rs: 40658
4	R.C.C work i/c all labour and no reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts laits or precast laid in position cement 2 Cft, sand 4 cft shingle	r b/b which will be orms moulds lifting, cosed surface (i/c s/sintels and other strace) complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.O actural members laid sect. (I) Ratio 2:2:4	1 in	Rs: 31510
5	Fabrication of mild steel reinfo laying in position making joints (also i/c removal of rust from b	s and fastening i/c o	cost of binding wire	s). P/Cwt	Rs: 10704
6	Cement, Plaster (1:4) up to 12'	height ½" thick (G 4457.3 Sft	.S.I. No.13 P/51) @rs: 2283.93	P%Sft	Rs: 101806
7	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No	oars 4" Center to ce		on P/Sft	Rs: 43603
8	PAINTING OLD SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6		w any type i/c @Rs: 2116.41	P%Sft	Rs: 2540
9	White washing of three coats (G.S.I. No.26 P/53) 4457.30 Sft	@Rs: 829.95	P%Sft	Rs: 36993
10	Color Washing (2 coats) (G.S.I	i.No:25, P/53). 4457.30 Sft	@Rs: 859.9	P%Sft	Rs: 38328 Rs: 343840
"C" - 1	REPAIR OF CIVIL WORK Removing of cement plaster (G.S.	I 53 P-13) 1088.00 Sft	@Rs: 121	P%Sft	Rs: 1316
2	Dismaintling cement concrete 1:2:	4 (G.S.I 19 P-10) 68.00 Cft	@Rs: 3327.50	P%Cft	Rs: 2263
3	Providing and laying 3" thick to I/c surface, finishing and dividi 3" thick 2" thick		, ,	P%Sft P%Sft	Rs: 12000 Rs: 8909

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
4	Making and fixing steel grated angle iron frame 2"x2"x 3/8" a with locking arrangement (G.S	nd ¾" sq: bars 4" C	•		
	with focking arrangement (0.5	49.00 Sft	@Rs: 726.72	P/Sft	Rs: 35609
5	Fabrication of heavy steel work iron for making trusses, girding erection in position (G.S.I -2 F	g tank etc. including			
	_	4.071 Cwt	@Rs: 4928.49	P/Cwt	Rs: 20064
6	Erection and fitting in position (G.S.I-3 P/90)	of iron trusses stag	ing of water tank etc		
		4.070 Cwt	@Rs: 271.04	P/Cwt	Rs: 1103
7	Cement, Plaster (1:6) up to 20' he	=			
		5263.00 Sft	@Rs: 2206.6	P%Sft	Rs: 116133
8	Cement, Plaster (1:4) up to 20' he	ight 3/8" thick (G.S.I 5263.00 Sft	. No.11 P/51) @Rs: 2197.52	P%Sft	Rs: 115655
9	White Wash 2 coats (G.S.I 26 P-5	3) 2678.00 Sft	@Rs: 425.84	P%Sft	Rs: 11404
10	Colour Washing 2 coats (G.S.I 25	P-53) 2678.00 Sft	@Rs: 859.9	P%Sft	Rs: 23028
11	PAINTING OLD SURFACE				
	Preparing surface and painting		w 🗆		
	any type i/c Edges 3 coats (G.S.	206.00 Sft	@Rs: 2116.41	P%Sft	Rs: 4360
12	Dry brick on edges paving sand bringing the same to proper car	•	•	_	ning and
	orniging the same to proper can	1600.00 Sft	@Rs: 3823.57	P% Sft	Rs: 61177
13	Earth work excavation in ASHES, silt clearance undressed lead upto)		
	1	19621.50 Cft	@Rs: 1663.75	P%0Cft	Rs: 32645
14	Extra for slush or daldal i/c dewate	•			
15	5 Extra for every 50' additional lead	19621.00 Cft	@Rs: 2420.00	P%0Cft	Rs: 47486
10	ordinary hard and very hard. (G.S	.l.8, P-2).			
		19621.50 Cft	@Rs: 803.84	P%0Cft Total	Rs: 15773 Rs: 508927
"D" -	PVC PIPE LINE Execution for pipe line entrep	1 1 2 2	· · · · · /		
1	Hyggyotion for pipe line entrop	and and nite in eat	t coilc 1/o		

Amount

Excavation for pipe line entrenches and pits in soft soils i/c 1 trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint hoes

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	and disposal of surplus earth we engineer in charge providing fe crossing for non vehicular traff (1.52 m) and lead up to one charge.	ence guards light fag ic where ever requi	gs and temporary red lift up 5 ft lead	u P%0Cft	Rs 89550
		24873 CII	@RS 3000.00	P%UCII	KS 89330
2	Providing uPVC pipes of Class trench i/c cutting fitting and joi testing with water to head 61 rd 3" dia	nting with "Z" join	t with one rubber ri	ng I/c P-Rft	Rs 171000
	4" dia	2100 Rft.	@Rs: 137	P-Rft	Rs: 287700
	6" dia	100 Rft.	@Rs: 262	P-Rft	Rs: 26200
3	Special Cast iron fitting for P.V PVC BEND	V.C pipe (P.H.S.(M)) I- 1 P- 29)		
	3" dia	1 Nos:	@Rs: 731.00	Each	Rs: 731
	4" dia	1 Nos:	@Rs: 956.00	Each	Rs: 956
	6" dia PVC SOCKET	1 Nos:	@Rs: 1913.00	Each	Rs: 1913
	3" dia	2 Nos:	@Rs: 405.00	Each	Rs: 810
	4" dia	2 Nos:	@Rs: 1125.00	Each	Rs: 2250
	6" dia	2 Nos:	@Rs: 1775.00	Each	Rs: 3550
4	Making Jointing to C.I specials testing the joints alongwith the pressure and making good to al (P.H.S- I-1 P-80) 3" dia 4" dia 6" dia	fiber cement pressu	are pipes lines to the		Rs: 118 Rs: 140 Rs: 192
5	Refilling the excavated stuff in			Lacii	Ks. 192
	ramming to fu compaction etc	complete (P.H.S- I-2	24 P-53)		
		22388.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 61792 Rs 646902
"E" - 1	Excavation in foundation of bu i/c dig billing dressing refilling Earth watering ramming up to s	ilding bridges and caround the structure	es with excavated	P%0Cft	Rs 610
2	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (1 (1:2:4).	ng and washing of	stone	P%Cft	Rs 12390
	(1:4:8).	113.82 Cft	@Rs 11288.75	P%Cft	Rs 12849
3	Pacca brick work in foundation				

Pacca brick work in foundation and plinth in cement

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	sand mortar(1:6)(G.S.I No. 4 P.	/ 20)			
		183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956
4	Filling watering ramming earth earth from out side lead upto or		_). P%0Cft	Rs 69
5	Cement plaster (1:4) up to 12'h	neight ½"thick (G.S 345.63	.I-11/ P/51) @Rs 2283.93	P%Sft	Rs 7894
6	R.C.C work i/c all labour and no reinforcement and its labour fo				
	be paid separately. This rate als lifting shuttering curing render i/c screening and washing of sh laid in situ or prrecast laid in por Ratio 1;2;4 90 lbs cement 2 cft (G.S.I-6 P/16)	so includes all kinds ing and finishing th ningle (a) R.C work osition complete in sand 4 cft shingle 1	s of forms moulds e exposed surface in roof slab membe a respect. (i) 1/8" to 1/4" gauge.		D. 77.645
		230.40 Cft	@Rs 337.00	P/Cft	Rs 77645
7	Fabrication of mild steel reinfocutting bending laying in positic cost of binding wire also include (G.S.I-8 (ii) (a) P/16)	on making joints ar	nd fastening i/c		
	(2.3.2 3 (2.7 (3.7 2.7 2.3 7	11.31 Cwt	@Rs 5001.70	P/Cwt.	Rs 56569
8	Cement plaster (1:4) up to 12'h	neight 3/4"thick (G	S I-11/ P/51)		
Ü	Coment pluster (1.1) up to 12 h	251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576
9	Supply of Dampo (sch: of Mat:				
		5.01 Kg	@Rs 125.00	P/Kg	Rs 626
10	Providing Laying G.I Pipe app match the pressure head of 200 Medum			3)	
	3/4" dia	6.00 Rft	@Rs: 62.38	P/Rft.	Rs: 374
	3" dia	25.00 Rft	@Rs: 304.02	P/Rft.	Rs: 7601
11	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH	against each item. l gg nuts bolts rubber IS.I-8, P-) (Part-	It includes the cost packing white lead C).		
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
12	Supplying and fixing in positio	n brass bib cock 3/	4" dia standared pat	tern	

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount			
	(Sant: Sch: I-1-ii, P-16).							
	3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396			
13	C.I Bend with flanged ends with flanged for all size (P.H.S.(M).	I-8, P-11).	-					
		0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621			
14	Cost iron specials for A.C pressure pipes of class B ACIL (PHS(M)I-VII, P-15).							
	Short Piece.3"dia.	1.00 Nos:	@Rs 375.00	Each.	Rs 375			
15	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc complete (P.H.S- I-1 P-40) 3" dia 6.00 Joint @Rs: 499.00 P-Joint Rs: 2994							
16	Providing C.I Main hole cover	& frame i/c cost of	material etc: (PHS	I-1 P-35)				
10	Troviding C.I Wain note cover	1.00 Cwt	@Rs: 6985.00	P/Cwt	Rs: 6985			
17	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2).	est pressure 21 Kg/s	q: cm or 300 lbs/sq:	: inch.				
	3"dia.	1.00 Nos:	@Rs 4290.00	Each.	Rs 4290			
18	P/F C.I Ventilator weight not to of approved design rain with w (P.H.S.I-4, P-48).			ete.				
	(· · · · · · · · · · · · · · · · · · ·	1.00 Nos:	@Rs 4870.00	Each.	<u>Rs</u> 4870			
		4	x 234415	Total. =	Rs: 234415 Rs: 937661			
''F'' - 1	Providing laying Main or Sub recopper conductor 1-12/". (Sch:	main wire 4.7-/0.064	4 (16mm)2					
		40.00 Meters	@Rs: 1169.00	P/Meter	Rs: 46760 Rs: 46760			
		ABSTRACT						
		Non Sch	n: Items Sch: Items		Total amount			
"A" -	PUMPING MACHINARY	(98986		Rs: 98986			
"B"	REPAIR OF COMPOUND WA	ALL (343840		Rs: 343840			
"C" -	REPAIR OF CIVIL WORK	(508927		Rs: 508927			
"D" -	PVC PIPE LINE	(646902		Rs: 646902			
"E" -	LOW SERVICE RESERVIOR	(L.S.R)	937661		Rs: 937661			
"F" -	REPAIR OF TRANSFORMER	2	46760		Rs: 46760			
			_					

2583076

Rs: 2583076

TOTAL AMOUNT

Description of item to be S.No: Quantity Rate Unit Amount executed at site

(7) - REHABILITATION OF WATER SUPPLY SCHEME QASIM RODHRANI

	Indum John Digitaler	101
11 A 11	TURE WELL	

"A"	TALUKA JOHI DISTRICT . TUBE WELL	<u>DADU</u>			
<u>A</u>	Boring of Tube Well in all wa	ater bearring soil fro	m ground		
	level up to 100 ft or 30.5 m d and casing pipes (P.H.I.S No	epth i/c sinking and	-		
	12" Dia.	100.00 Rft	@Rs 743.00	P-Rft	Rs 74300
2	Boring of Tube Well in all wa	•	•		
	level from 100 to 200 ft dapth	Č	n drawing		
	and casing pipes (P.H.I.S No 12" Dia.	100.00 Rft	@Rs 849.00	P-Rft	Rs 84900
3	Boring of Tube Well in all wa	ater bearring soil fro	m ground		
	level from 200 to 300 ft dapth	-	n drawing		
	and casing pipes (P.H.I.S No 12" Dia.	100.00 Rft	@Rs 989.00	P-Rft	Rs 98900
4	Boring of Tube Well in all wa	ater bearring soil fro	m ground		
	level from 300 to 400 ft depth	•	n drawing		
	and casing pipes (P.H.I.S No 12" Dia.	4 P/ 42) 150.00 Rft	@Rs 1073.00	P-Rft	Rs 160950
	12 Diu.	130.00 Kit	ers 1075.00	Titt	KS 100750
5	Providing strong substantily built wooden locked with compartment for preserving 2 lbs (1K.g) samples startes (P.H.S.I No 5 P/ 43)				
	for preserving 2 lbs (1K.g) sa	imples startes (P.H.S 1.00 Nos	@Rs 3530.00	Each	Rs 3530
6	Taking & Preserving inbox 2				
	etc (P.H.S.I No. 6 P/ 43)	4.00 Nos	@Rs 101.00	Each	Rs 404
7				Lacii	KS 404
7	Taking samples of water from bottles (P.H.S.I.No 7 P/ 37)	n bore notes and plac	ce in two separate		
	,	4.00 Nos	@Rs 131.00	Each	Rs 524
8	Supplying & Instaling PVC s			igned	
	quality i/c necessary socket e 8" dia	tc Complete (P.H.S.) 100.00 Rft	I-9, P-43) @Rs 554.05	P-Rft	Rs 55405
	o uia	100.00 Kit	@K\$ 354.05	I -KIt	KS 33403
9	Supplying & Instaling PVC b	•		ed quality	
	and make i/c necessary socke 8" dia	et etc complete (P.H.) 350.00 Rft	8.1-12, P-42) @Rs 516.80	P-Rft	Rs 180880
	o did	330.00 Kit	erts 510.00	Titt	13 100000
10	M.S bail plugged of approved			*	D = 2607
	8" dia	1.00 No:	@Rs 2607.00	Each	Rs 2607
11	Shrounding with Graded bajr bitumen bore an plind pipe				
	8" dia	450.00 Rft	@Rs 105.00	P-Rft	Rs 47250
12	Development charges of Tube	e well(DHSIQ DA	3)		
14	Development charges of Tub	450.00 Rft	@Rs 200.00	P/Rft	Rs 90000
					Rs: 799650

	1	I	1		
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
<u>"B"</u>	PUMP HOUSE FOR TUBE V	<u>VELL</u>			
1	Excavation in foundation of bu				
	I/c dag belling dressing refilling	_			
	Earth watering ramming lead u	•			•
		179.50 Cft	@Rs: 3176.25	P%0 Cft	Rs: 570
2	Cement concrete brick or stone (Ratio 1:4:8) (G.S.I No. 4 P/ 14		gauge.		
	(Katio 1.4.8) (G.S.1 No. 417 1-	83.50 Cft	@Rs: 9416.28	P%Cft	Rs: 7863
		03.30 CI	C16. 7110.20	1 70 011	145. 7005
3	Cement concrete plain i/c placi curing complete i/c screening a without shuttering (Ratio 1:3:6	and washing of ston	e aggregate		
		215.00 Cft	@Rs: 12595.00	P%Cft	Rs: 27079
4	Erection and removal of center	-			
	of Partal Wood 1 st class(vertical	, \	,	D0/ CC	D 10750
		344.00 Sft	@Rs: 3127.41	P%Sft	Rs 10758
5	Filling Watering and ramming out side lead upto 1 chain and 1			l from	
		300.00 Cft	@Rs: 3630.00	P%0Cft	Rs: 1089
6	Pacca brick work in ground flo (G.S.I. No 5 P/ 20)	or cement, sand, me	ortar (1:6)		
	,	312.83 Cft	@Rs: 12674.36	P%Cft	Rs: 39649
7	R.C.C work i/c all labour and reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts is situ or prrecast laid in position cement 2 Cft, sand 4 cft shingle	or b/b which will be borms moulds lifting, bosed surface (i/c s/ lintels and other str complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.uctural members lai pect. (I) Ratio 2:2:4	d in	Rs: 31371
8	Fabrication of mild steel reinfolaying in position making joint (also i/c removal of rust from b	s and fastening i/c	cost of binding wire	P/Cwt	Rs: 18706
9	Providing and laying 3" thick t	o toping Cement Co	oncrete (1:2:4) I/c si	ırface.	
	finishing and dividing in to par				
		100.00 Sft	@Rs: 4411.82	P%Sft	Rs: 4412
10	Cement, Plaster (1:6) up to 12'	height ½" thick (G 363.50 Sft	6.S.I. No.13 P/51) @Rs: 2206.60	P%Sft	Rs: 8021
11	Cement, Plaster (1:4) up to 12'	height 3/8" thick (G.S.I. No.11 P/51)		
	· · · · ·	363.50 Sft	@Rs: 2197.52	P%Sft	Rs: 7988

			1				
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
12	Cement, Pointing struck joint of	on walls (1:3) (G.S	.I. No.19 P/52)				
		423.50 Sft	@Rs: 1213.58	P%Sft	Rs: 5140		
13	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: llocking arrangement (G.S.I. No.	bars 4" Center to ce		ron			
		24.50 Sft	@Rs: 726.72	P/Sft	Rs: 17805		
14	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	s etc: i/c cutting tang g but excluding erec	ks etc: i/c cutting diction in positiion. (C	rilling rivet CSI- 2, P-9	ing 1)		
		1.02 Cwt	@Rs: 4928.49	P/Cwt	Rs: 5027		
15	Erection and fitting in position (C.S.I.No. 3 P/ 91)	of iron trusses stag	ging of water tanks	etc:			
	,	1.02 Cwt	@Rs: 271.04	P/Cwt	Rs 276		
16	Supplying and fixing in position iron steel grill of ³ / ₄ " x ¹ / ₄ " size flat iron of approved design i/c painting 03 coats etc complete (weight not to be less than 3 Lbs/sq: foot of finished grill) (G.S.I. NO.26 P/92)						
		12.00 Sft	@Rs: 180.50	P/Sft	Rs: 2166		
17	PAINTING NEW SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6		w any type i/c				
		73.00 Sft	@Rs: 2116.41	P%Sft	Rs: 1545		
18	White washing of three coats (
		187.00 Sft	@Rs: 829.95	P%Sft	Rs: 1552		
19	Color Washing (2 coats) (G.S.I						
		187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608		
20	Providing and fixing C.I manho i/c cost of material etc: (P.H.S.						
		1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318		
21	Supplying R.S.J channel sectio (Sch: of Sant: I-141, P-80)	n 8"x4" Girders.					
		1.03 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672 Rs: 200615		

S.No:	Description of item to be executed at site	Quantity	Rate	Unit		Amount	
<u>"C"</u>	PUMPING MACHINARY						
1	Providing laying and fixing in tetc: complete in all respect the (HDPE-100) for W/S confirmin 8074/8075 B.S 3580 & PSI 305 PN 10. 3" dia	high density polything ISO confirming	ylene PE pipe	P/Rft.	Rs:	3560	
2	Providing and installing M.S fl 3/8" thick i/c cutting drilling ho (Based on schedule item))	•	1.S sheet @Rs: 500.89	Each	Rs:	3005	
3	Reflex valve heavy pattern test (P.H.S (M) I No C P/11)	pressure 21 kg/sq,	cm or 300 lbs /sq i	nch			
	3"dia.	1.00 Nos:	@Rs: 1543.75	Each.		1544	
4	C.I Bend with flanged end with (P.H.S (M) I. No 8 P/ 12)	tholes i/c turning at 0.26 Cwt.	nd facing of flanges @Rs: 6096.00	s for all siz		1585	
5	C.I sluice valve heavy pattern t				KS.	1363	
	(P.H.S (M) I No 16 P/ 11) 3" dia	1.00 Nos:	@Rs: 4290.00	Each.	Rs:	4290	
6	Butt Fusion joint. (P.H.S.(M).I-3" dia	-H, P-20) 6.00 Nos:	@Rs: 600.00	Each	Rs:	3600	
7	Jointing C.I/M.S flanged and space supplying of the rubber packing and washers etc and other tools joints in the specified pressure 3" dia.	g of the required this required for jointing	ckness nuts bolts ng and testing the	P/Joint.		2495	
<u>"'D"</u>	PVC PIPE LINE Excavation for pipe line entrenches and pits in soft soils i/c 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 (1.52 m) and lead up to one chain (30.5 m) (P.H.S.I- 3 P- 46) 67800.00 Cft @Rs 3600.00 P%0Cft Rs 244080						
2	Providing uPVC pipes of Class trench i/c cutting fitting and joi testing with water to head 61 n 3" dia	nting with "Z" join	t with one rubber ri		Rs	90000	
3	Special Cast iron fitting for P.V. TEE WITH FLANGE 3" dia	7.C pipe (P.H.S.(M) 1.00 Nos:	(Price of the second of the se	Each	Rs	1160	

S.No:	Description of item to be executed at site	Quantity	Rate	Unit		Amount	
	BEND WITH FLANGE						
	3" dia	3.00 Nos:	@Rs 850.00	Each	Rs	2550	
	Fire Hydrent Tee						
	4" dia	2.00 Nos:	@Rs 1112.50	Each	Rs	2225	
	End Plugg.						
	3" dia	2.00 Nos:	@Rs: 368.75	Each	Rs:	738	
	TAIL PIECE	10.00 11	OD 255 00	F 1	ъ	27.50	
	3" dia	10.00 Nos:	@Rs 375.00	Each	Rs	3750	
	4" dia Gibulat Joint	4.00 Nos:	@Rs 487.00	Each	Rs	1948	
	3" dia	10.00 Nos:	@Rs 568.75	Each	Rs	5688	
	4" dia	4.00 Nos:	@Rs 731.25	Each	Rs	2925	
	- dia	4.00 1105.	@Rs 751.25	Lacii	IXS	2723	
4	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2).	est pressure 21 Kg/s	q: cm or 300 lbs/sq	: inch.			
	3" dia	1.00 Nos:	@Rs 4290.00	Each	Rs	4290	
	4" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs:	5460	
5	Supplying Air valve double act	•	- 8 P- 11)				
		2.00 Nos:	@Rs 4000.00	Each	Rs	8000	
	trench i/c supplying rubber pac bolts with washers etc and othe joints to the specified pressure 3" dia 4" dia	er tools required for	jointing and testing	g the P-Joint P-Joint	Rs Rs	4990 2052	
7	Providing laying jointing P.E P cutting fitting jointing with but specified pressure. (Based on set 4" dia (125mm) (O/D)	fusion joint i/c teschedule rates)	sting with wawter to)			
		10300.00 Rft	@Rs 245.87	P/Rft	Rs	2532461	
8	Specials for high density polyth (HDPE-100) (P.H.S.(M).I-IX P BEND 45 degree						
	4" dia (110mm)	4.00 Nos:	@Rs 1706.00	Each	Rs:	6824	
9	Butt Fusion joint. (P.H.S.(M).I						
	4" dia (110mm)	4.00 Nos:	@Rs: 1000.00	Each	Rs:	4000	
10	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to12" dia wit 18" (457 mm) dia inside cost iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25 mm) thick cement concrete 1:2:4 flooring ½" 12.5 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S foot rest at every one foot beyond 21/2 ft depth curing excavation back f illing and disposal of surplus earth etc complete (P.H.S- I-1 P-40) 4.00 Nos: @Rs 18820.00 Each Rs 75280						
			22 10020.00				

S.No:	Description of item to be	Ouantity	Rate	Unit	Amount
5.110.	executed at site	Quantity	Rute	Omt	rimount

11 Refilling the excavated stuff in trenches 6" thick Layer i/c watering ramming to fu compaction etc complete (P.H.S- I-24 P-53)

 P%0Cft Rs 168415

Rs 3166835

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"A"	TUBE WELL	0	799650	Rs: 799650
"B"	PUMP HOUSE FOR TUBE WELL	0	200615	Rs: 200615
"C"	PUMPING MACHINARY	0	20079	Rs: 20079
"D"	PVC PIPE LINE	0	3166835	Rs: 3166835
	TOTAL AMOUNT	0	4187179	Rs: 4187179

(8) - REHABILITATION OF WATER SUPPLY SCHEME DODO RODHRANI

TALUKA JOHI DISTRICT DADU

"A" TUBE WELL

level up to 100 ft or 30.5 m depth i/c sinking and with drawing and casing pipes (P.H.I.S No 1, P/41) 12" Dia. 100.00 Rft P-Rft @Rs 743.00 Rs 74300 2 Boring of Tube Well in all water bearring soil from ground level from 100 to 200 ft dapth i/c sinking and with drawing and casing pipes (P.H.I.S No 2 P/42) 12" Dia. P-Rft 20.00 Rft @Rs 849.00 Rs 16980 3

Providing strong substantily built wooden locked with compartment for preserving 2 lbs (1K.g) samples startes (P.H.S.I No 5 P/ 43)

Boring of Tube Well in all water bearring soil from ground

1.00 Nos @Rs 3530.00 Each Rs 3530

4 Taking & Preserving inbox 2 lbs (1 K.g) sample of strata from boar holes etc (P.H.S.I No. 6 P/ 43)

4.00 Nos @Rs 101.00 Each Rs 404

5 Taking samples of water from bore holes and place in two separate bottles (P.H.S.I.No 7 P/ 37)

4.00 Nos @Rs 131.00 Each Rs 524

6 Supplying & Instaling PVC strainer Pipe "B" class of approved designed

Description of item to be executed at site	Quantity	Rate	Unit	Amount
quality i/c necessary socket etc	Complete (P.H.S.I-	-9, P-43)		
8" dia	70.00 Rft	@Rs 554.05	P-Rft	Rs 38784
	•		d quality	
8" dia	50.00 Rft	@Rs 516.80	P-Rft	Rs 25840
M.S bail plugged of approved of 8" dia	quality 5' long (P.H 1.00 No:	.S. (M) I No. 38 P/2 @Rs 2607.00	26) Each	Rs 2607
	` '			
8" dia	120.00 Rft	@Rs 105.00	P-Rft	Rs 12600
Development charges of Tube	well(P.H.S.I8, P-43	3)		
	120.00 Rft	@Rs 200.00	P/Rft	Rs 24000 Rs: 199569
	executed at site quality i/c necessary socket etc 8" dia Supplying & Instaling PVC blir and make i/c necessary socket etc 8" dia M.S bail plugged of approved etc 8" dia Shrounding with Graded bajri (bitumen bore an plind pipe (F8" dia)	quality i/c necessary socket etc Complete (P.H.S.I-8" dia 70.00 Rft Supplying & Instaling PVC blind Pipe "B" class of and make i/c necessary socket etc complete (P.H.S.8" dia 50.00 Rft M.S bail plugged of approved quality 5' long (P.H.8" dia 1.00 No: Shrounding with Graded bajri (3/8" to 1/8") or 9 to bitumen bore an plind pipe (P.H.S.I No 13 P/ 38) 8" dia 120.00 Rft Development charges of Tube well(P.H.S.I8, P-43)	quality i/c necessary socket etc Complete (P.H.S.I-9, P-43) 8" dia 70.00 Rft @Rs 554.05 Supplying & Instaling PVC blind Pipe "B" class of approved designed and make i/c necessary socket etc complete (P.H.S.I-12, P-42) 8" dia 50.00 Rft @Rs 516.80 M.S bail plugged of approved quality 5' long (P.H.S. (M) I No. 38 P/38" dia 1.00 No: @Rs 2607.00 Shrounding with Graded bajri (3/8" to 1/8") or 9 to 3mm bitumen bore an plind pipe (P.H.S.I No 13 P/38) 8" dia 120.00 Rft @Rs 105.00 Development charges of Tube well(P.H.S.I8, P-43)	quality i/c necessary socket etc Complete (P.H.S.I-9, P-43) 8" dia 70.00 Rft @Rs 554.05 P-Rft Supplying & Instaling PVC blind Pipe "B" class of approved designed quality and make i/c necessary socket etc complete (P.H.S.I-12, P-42) 8" dia 50.00 Rft @Rs 516.80 P-Rft M.S bail plugged of approved quality 5' long (P.H.S. (M) I No. 38 P/ 26) 8" dia 1.00 No: @Rs 2607.00 Each Shrounding with Graded bajri (3/8" to 1/8") or 9 to 3mm bitumen bore an plind pipe (P.H.S.I No 13 P/ 38) 8" dia 120.00 Rft @Rs 105.00 P-Rft Development charges of Tube well(P.H.S.I8, P-43)

PUMP HOUSE

Excavation in foundation of building bridges and other structures. I/c dag 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) 179.50 Cft @Rs: 3176.25 P%0 Cft Rs: 570

2 Cement concrete brick or stone ballast 1 1/2" to 2" gauge.

(Ratio 1:4:8) (G.S.I No. 4 P/ 14)

83.50 Cft Rs: 7863 @Rs: 9416.28 P%Cft

3 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6) (G.S.I.No 5 P/15)

> 215.00 Cft @Rs: 12595.00 P%Cft Rs: 27079

Erection and removal of centering for R.C.C or plain C.C Work 4 of Partal Wood 1st class(vertical). (G.S.I.No. 19 P/ 17)

> 344.00 Sft @Rs: 3127.41 P%Sft Rs 10758

5 Filling Watering and ramming earth in floor with new earth excavated from out side lead upto 1 chain and lift upto 5' (G.S.I No 22 P-4)

> 300.00 Cft @Rs: 3630.00 P%0Cft Rs: 1089

6 Pacca brick work in ground floor cement, sand, mortar (1:6) (G.S.I. No 5 P/20)

312.83 Cft @Rs: 12674.36 P%Cft Rs: 39649

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amoun
7	R.C.C work i/c all labour and no reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts labour or prrecast laid in position cement 2 Cft, sand 4 cft shingle	r b/b which will be orms moulds lifting, cosed surface (i/c s/sintels and other strace) complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.O uctural members laid pect. (I) Ratio 2:2:4	d in	Rs: 31371
8	Fabrication of mild steel reinfo laying in position making joints (also i/c removal of rust from b	s and fastening i/c o	cost of binding wire	P/Cwt	Rs: 18706
9	Providing and laying 3" thick to finishing and dividing in to part		· · · · ·	rface,	Rs: 4412
10	Cement, Plaster (1:6) up to 12'	height ½" thick (G 363.50 Sft	.S.I. No.13 P/51) @Rs: 2206.60	P%Sft	Rs: 8021
11	Cement, Plaster (1:4) up to 12'	height 3/8" thick (0 363.50 Sft	G.S.I. No.11 P/51) @Rs: 2197.52	P%Sft	Rs: 7988
12	Cement, Pointing struck joint of	on walls (1:3) (G.S. 423.50 Sft	I. No.19 P/52) @Rs: 1213.58	P%Sft	Rs: 5140
13	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No	oars 4" Center to ce		on P/Sft	Rs: 17805
14	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	etc: i/c cutting tanl	ks etc: i/c cutting dri	lling rivet	ing
15	Erection and fitting in position (C.S.I.No. 3 P/91)	of iron trusses stag	ing of water tanks et	tc: P/Cwt	Rs 276
16	Supplying and fixing in positio approved design i/c painting 0 than 3 Lbs/sq: foot of finished	3 coats etc complete	e (weight not to be l		Rs: 2166
17	PAINTING NEW SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6		w any type i/c @Rs: 2116.41	P%Sft	Rs: 1545

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
18	White washing of three coats (•			
		187.00 Sft	@Rs: 829.95	P%Sft	Rs: 1552
19	Color Washing (2 coats) (G.S.l	[.No:25, P/53).			
		187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manho	ole cover with fram	me		
	i/c cost of material etc: (P.H.S.	(M)I-14, P-167) Siz	ze 2'x2'		
		1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel sectio (Sch: of Sant: I-141, P-80)	n 8"x4" Girders.			
		1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672
					Rs: 200615

"C" PUMPING MACHINARY

Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polythylene PE pipe (HDPE-100) for W/S confirming ISO confirming ISO 4427/DIN 8074/8075 B.S 3580 & PSI 3051. (G.S.I-1, P-25). PN 10. 3" dia P/Rft. 20.00 Rft. @Rs: 178.00 Rs: 3560 2 Elbow 90 Degree (P.H.S (M) I No 1, P/18) 3"dia. 2.00 Nos: @Rs: 1118.00 Each. Rs: 2236 3 Reflex valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No C P/11) 3"dia. 1.00 Nos: @Rs: 1543.75 Each. Rs: 1544 4 C.I sluice valve heavy pattern test pressure 21 kg/sq, cm or 300 lbs/sq inch (P.H.S (M) I No 16 P/11) 3" dia 1.00 Nos: @Rs: 4290.00 Each. Rs: 4290 5 Providing and fixing M.S flanged made out of M.S plate having a thickness and totl weight as mentioned against each item. It includes the cost of making holes facing welding nuts bolts rubber packing white lead fitter cartage etc: complete. P.H.S.I-8, P-((Part-C). 3" dia 8.00 Nos: @Rs: 945.00 Rs: 7560 Each

S.No:	Description of item to be executed at site	Quantity	Rate	Unit		Amount
6	Butt Fusion joint. (P.H.S.(M).I 3" dia	-H, P-20) 8.00 Nos:	@Rs: 600.00	Each	Rs	: 4800
7	Jointing C.I/M.S flanged and s supplying of the rubber packin and washers etc and other tools joints in the specified pressure 3" dia.	g of the required this required for jointing	ckness nuts bolts ng and testing the	P/Joint.		: 3992 : 27982
<u>"D"</u>	PVC PIPE LINE					
1	Excavation for pipe line entrem trimming and dressing sides to of beds of trenches to correct leand disposal of surplus earth wengineer in charge providing for crossing for non vehicular traff (1.52 m) and lead up to one charge.	true alignment and evel and grade cutti rithin a one chain as ence guards light fag fic where ever requi ain (30.5 m) (P.H.S	shape leveling ng joint hoes directed by gs and temporary red lift up 5 ft lead		Do	140400
		39000.00 Cft	@Rs 3600.00	P%0Cft	KS	140400
2	Providing uPVC pipes of Class trench i/c cutting fitting and jo testing with water to head 61 if 3" dia Special Cast iron fitting for P.V.	inting with "Z" join meter or 200 ft(P.H. 1000.00 Rft.	t with one rubber r S.I-1, P-22) @Rs 90.00		Rs	90000
	TEE WITH FLANGE	1.00.11	OD 1160.00	F 1	ъ	11.60
	3" dia BEND WITH FLANGE	1.00 Nos:	@Rs 1160.00	Each	Rs	1160
	3" dia End Plugg.	3.00 Nos:	@Rs 850.00	Each	Rs	2550
	3" dia TAIL PIECE	2.00 Nos:	@Rs: 368.75	Each	Rs:	738
	3" dia	10.00 Nos:	@Rs 375.00	Each	Rs	3750
	4" dia Gibulat Joint	2.00 Nos:	@Rs 487.00	Each	Rs	974
	3" dia	10.00 Nos:	@Rs 568.75	Each	Rs	5688
	4" dia	2.00 Nos:	@Rs 731.25	Each	Rs	1463
4	C.I Sluice valve heavy patter to (P.H.S.(M).I-12, P-2). 3" dia	1.00 Nos:	@Rs 4290.00	Each	Rs	4290
	4" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs:	5460
5	Jointing C.I/M.S flanged pipe trench i/c supplying rubber pace bolts with washers etc and other joints to the specified pressure 3" dia	king of the required er tools required for	thickness nuts jointing and testin	g the P-Joint	Rs	4990

	1			1	
S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	4" dia	2.00 Joints	@Rs 513.00	P-Joint	Rs 1026
6	Providing laying jointing P.E F cutting fitting jointing with but specified pressure. (Based on s 4" dia (125mm) (O/D)	t fusion joint i/c tes	_	P/Rft	Rs 1352285
7	Specials for high density polyth (HDPE-100) (P.H.S.(M).I-IX F BEND 45 degree 4" dia (110mm)	* *	@Rs 1706.00	Each	Rs: 6824
8	Butt Fusion joint. (P.H.S.(M).I 4" dia (110mm)	-H, P-20) 4.00 Nos:	@Rs: 600.00	Each	Rs: 2400
9	Providing chamber 21/2x21/2 (1372 mm) deep as per approve 457 mm) dia inside cost iron co (102 mm) thick (with 5 lbs ste wall set in 1:6 cement mortar 6 in foundation 1" (25 mm) thick cement plaster 1:3 to all inside M.S foot rest at every one foot illing and disposal of surplus expressions.	ed design for sluice over and frame (wt= eel per cft) 9" (299 n " (1152 mm) thick of cement concrete 1: e wall surface and to beyond 21/2 ft dept	value 3" to12" dia set 1 cwt qr) fixed in 1 mm) thick brick material temporal to top i/c providing a ch curing excavation	R.C.C 1:2 sonry 3:6 5 mm) thi nd fixing	ick
10	Refilling the excavated stuff in ramming to fu compaction etc	complete (P.H.S- I-2 35100.00 Cft	•	P%0Cft	Rs 96876 Rs 1758513
" E" 1	Excavation in foundation of builo dig billing dressing refilling Earth watering ramming up to	ilding bridges and of around the structur	es with excavated	P%0Cft	Rs 610
2	Cement concrete plain i/c place and curing complete i/c screen aggregate without shuttering (1:2:4).	ing and washing of	stone	P%Cft	Rs 12390
3	Cement concrete plain i/c placi and curing complete i/c screen aggregate without shuttering (1:4:8).	ing and washing of	stone	P%Cft	Rs 12849

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
4	Pacca brick work in foundation	and plinth in ceme	ent		
	sand mortar(1:6)(G.S.I No. 4 P/	*			
		183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956
5	Filling watering ramming earth		-		
	earth from out side lead upto or	ne chain and lift up 45.70 Cft	to 5ft (G.S.I-21, P-4 @Rs 1512.50	·). P%0Cft	Rs 69
		43.70 CI	@K\$ 1312.30	r 700Cit	KS 09
6	Cement plaster (1:4) up to 12'h	eight ½"thick (G.S	.I-11/ P/51)		
		345.63 Sft	@Rs 2283.93	P%Sft	Rs 7894
7	R.C.C work i/c all labour and n	notomial arraget that	and of starl		
,	reinforcement and its labour for	•			
	This rate also i/c all kinds of fo				
	rendering and finishing the exp	·	•		
	roof slab beams columns rafts l situ or prrecast laid in position				
	cement2 Cft, sand 4 cft shingle	-		LUS	
		230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645
0	Eshaination of mild starl mainfo	manual for C.C.:/			
8	Fabrication of mild steel reinfor laying in position making joints				
	(also i/c removal of rust from b				
		11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569
9	Cement plaster (1:4) up to 12'h	eight 3/4"thick (G	S I-11/ P/51)		
,	Cement plaster (1.4) up to 12 ii	251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576
10	upply of Dampo (Sch: of Mat: l	* *	@D = 125 00	D/V ~	D = 626
		5.01 Kg	@Rs 125.00	P/Kg	Rs 626
11	Providing Laying G.I Pipe app	roved quality to be	tested		
	pressure i/c fixing cutting and f	•	•	D /D 0	5 251
	3/4" dia 3" dia	6.00 Rft. 25.00 Rft.	@Rs: 62.38 @Rs: 304.02	P/Rft. P/Rft.	Rs: 374 Rs: 7601
	3 dia	23.00 Kit.	@Ks. 304.02	r/Kit.	Ks. 7001
12	Providing and fixing M.S flang			kness	
	and total weight as mentioned	•			
	of making holes facing welding fitter cartage etc: complete.(PH				
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
13	Supplying and fixing in position (Sont: Sob: L.1 ii. P. 16)	n brass bib cock 3/	4" dia standared par	ttern	
	(Sant: Sch: I-1-ii, P-16). 3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396
	o, i diui	7.00 1105.	C 100 JTU./2	Lucii.	10 10/0
14	C.I Bend with flanged ends with	•	facing		
	flanged for all size (P.H.S.(M).		@Da 6006 00	D/C	Do 2621
		0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621

S.No:	Description of item to be	Quantity	I.	Rate	Unit	Amount
5.110.	executed at site	Quantity	ľ	vaic	Omt	Amount
15	Cost iron specials for A.C press	sure pipes of class I	B ACIL ((PHS(M)I-V	/II, P-15).	
		1.00 Nos:	@Rs 3	375.00	Each.	Rs 375
16	Jointing C.I /M.S flanged pipe	e and enociale flanc	od and i	ncido o		
10	trench i/c supplying rubber pac					
	bolts with washers etc and othe	•			the	
	joints to the specified pressure	•		_	tile	
	3" dia	6.00 Joints			P-Joint	Rs: 2994
17	Providing C.I Main hole cover	& frame i/c cost of	material	etc: (PHS.)	[-1, P-35)	
		1.00 Cwt	6	5985.00	P/Cwt	Rs: 6985
18	C.I Sluice valve heavy patter te	est pressure 21 Kg/s	q: cm or	300 lbs/sq:	inch.	
	(P.H.S.(M).I-12, P-2).	4.00.37	6 5 4	200.00		D 4000
	3"dia.	1.00 No:	@Rs 4	290.00	Each.	Rs 4290
19	P/F C.I Ventilator weight not to	he less than 90 lbs	once in	roof tank		
19	of approved design rain with w				ete	
	(P.H.S.I-4, P-48).	ater right joints if e	pummg	cto. compre		
		1.00 No:	@Rs 4	870.00	Each.	Rs 4870
						Rs: 234416
		2 x	23	4416	=	Rs: 468831
		ABSTRACT Non Sci	1: Items	Sch: Items		Total amount
"A"	TUBE WELL	()	199569		Rs: 199569
"B"	PUMP HOUSE	()	200615		Rs: 200615
"C"	PUMPING MACHINARY	()	27982		Rs: 27982
"D"	PVC PIPE LINE	()	1758513		Rs: 1758513
"E"	LOW SERVICE RESERVIOR	(L.S.R))	468831		Rs: 468831
		•				

TOTAL AMOUNT

0

2655509

Rs: 2655509

S.No: Description of item to be executed at site Quantity Rate Unit Amount

TALUKA JOHI DISTRICT DADU

"A" PUMP HOUSE

Excavation in foundation of building bridges and other structures. I/c dag 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)

179.50 Cft @Rs: 3176.25 P%0 Cft Rs: 570

2 Cement concrete brick or stone ballast 1 ½" to 2" gauge.

(Ratio 1:4:8) (G.S.I No. 4 P/ 14)

83.50 Cft @Rs: 9416.28 P%Cft Rs: 7863

3 Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6) (G.S.I.No 5 P/ 15)

215.00 Cft @Rs: 12595.00 P%Cft Rs: 27079

4 Erection and removal of centering for R.C.C or plain C.C Work of Partal Wood 1st class(vertical). (G.S.I.No. 19 P/ 17)

344.00 Sft @Rs: 3127.41 P%Sft Rs 10758

5 Filling Watering and ramming earth in floor with new earth excavated from out side lead upto 1 chain and lift upto 5' (G.S.I No 22 P- 4)

300.00 Cft @Rs: 3630.00 P%0Cft Rs: 1089

6 Pacca brick work in ground floor cement, sand, mortar (1:6) (G.S.I. No 5 P/ 20)

312.83 Cft @Rs: 12674.36 P%Cft Rs: 39649

R.C.C work i/c 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/c all kinds of forms moulds lifting, shutting, curing, rendering and finishing the exposed surface (i/c s/w of shingle) (a) R.C work in roof slab beams columns rafts lintels and other structural members laid in situ or prrecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).

93.09 Cft @Rs: 337.00 P/Cft Rs: 31371

8 Fabrication of mild steel reinforcement for C.C i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire (also i/c removal of rust from bars).(G.S.I No 8 P/ 16)

3.74 Cwt @Rs: 5001.70 P/Cwt Rs: 18706

9 Providing and laying 3" thick to toping Cement Concrete (1:2:4) I/c surface, finishing and dividing in to panel (GSI No. 16 P/41)

100.00 Sft @Rs: 4411.82 P%Sft Rs: 4412

10 Cement, Plaster (1:6) up to 12' height ½" thick (G.S.I. No.13 P/51)

363.50 Sft @Rs: 2206.60 P%Sft Rs: 8021

11 Cement, Plaster (1:4) up to 12' height 3/8" thick (G.S.I. No.11 P/51)

363.50 Sft @Rs: 2197.52 P%Sft Rs: 7988

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
12	Cement, Pointing struck joint o	on walls (1:3) (G.S. 423.50 Sft	I. No.19 P/52) @Rs: 1213.58	P%Sft	Rs: 5140
13	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No.	bars 4" Center to ce		on	
		24.50 Sft	@Rs: 726.72	P/Sft	Rs: 17805
14	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	s etc: i/c cutting tank g but excluding erec	ks etc: i/c cutting dri tion in positiion. (C	Illing river SI- 2, P-9	ting
		1.02 Cwt	@Rs: 4928.49	P/Cwt	Rs: 5027
15	Erection and fitting in position (C.S.I.No. 3 P/ 91)				
		1.02 Cwt	@Rs: 271.04	P/Cwt	Rs 276
16	Supplying and fixing in positio approved design i/c painting 0: than 3 Lbs/sq: foot of finished	3 coats etc complet	e (weight not to be l		
	1	12.00 Sft	@Rs: 180.50	P/Sft	Rs: 2166
17	PAINTING NEW SURFACE Preparing surface and painting Edges 3 coats (G.S.I. No.5 P/6		w any type i/c @Rs: 2116.41	P%Sft	Rs: 1545
18	White washing of three coats (G.S.I. No.26 P/53) 187.00 Sft	@Rs: 829.95	P%Sft	Rs: 1552
19	Color Washing (2 coats) (G.S.I	I.No:25, P/53).			
-		187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608 Rs: 192626

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
1	Providing internal electric wiring PVC insulated wire 660 volts g surface as required. (E.S.I-31, I	rade in 25mm PVC			
	1	·	@Rs: 566.00	P/Meter	Rs: 14150
2	Providing laying and fixing in tetc: complete in all respect the (HDPE-100) for W/S confirming 8074/8075 B.S 3580 & PSI 305 PN 10.	high density polything ISO confirming l	ylene PE pipe		
	3" dia	56.00 Rft.	@Rs: 178.00	P/Rft.	Rs: 9968
3	Providing and installing M.S fl 3/8" thick i/c cutting drilling ho (Based on schedule item))		I.S sheet		
		16.00 Nos:	@Rs: 500.89	Each	Rs: 8014
4	C.I Tapperecd flat tee bottomed end with holes i/c turning facin (P.H.S (M) I No 7 P/ 11)	* *	•		
		0.92 Cwt	@Rs: 6096.00	P/Cwt	Rs: 5608
5	Reflex valve heavy pattern test (P.H.S (M) I No C P/11)		-		T
	3"dia.	2.00 Nos:	@Rs: 1543.75	Each.	Rs: 3088
6	C.I Bend with flanged end with (P.H.S (M) I. No 8 P/12)	_	-		
		0.65 Cwt.	@Rs: 6096.00	P/Cwt.	Rs: 3962
7	C.I sluice valve heavy pattern t (P.H.S (M) I No 16 P/11)	est pressure 21 kg/	sq, cm or 300 lbs /so	q inch	
	3" dia	2.00 Nos:	@Rs: 4290.00	Each.	Rs: 8580
8	C.I Foot valve heavy pattern with (P.H.S (M) I No 4 P/ 10)	ith cone type gate.			
	3" dia	2.00 Nos:	@Rs: 731.25	Each.	Rs: 1463
9	Butt Fusion joint. (P.H.S.(M).I-3" dia	-H, P-20) 16.00 Nos:	@Rs: 600.00	Each	Rs: 9600
10	Providing laying G.I Pipe appromatch the pressure head of 200 (Sant: Sch: (M).I-1, P-12).		ested pressure		
	3" dia.	16.00 Rft	@Rs: 304.02	P/Rft	Rs: 4864
11	Jointing C.I/M.S flanged and sp supplying of the rubber packing and washers etc and other tools joints in the specified pressure	g of the required this required for jointing etc complete (P.H.S.	ckness nuts bolts ng and testing the S I No 1 P/40)		
	3" dia.	16.00 Nos:	@Rs: 499.00	P/Joint.	Rs: 7984

S.No:	Description of item to be executed at site	Quantity	Rate	Unit		Amount
					Rs:	77281
		77281 x	2	=	Rs:	154563
<u>"C"</u>	PVC PIPE LINE					
1	Excavation for pipe line entrent trimming and dressing sides to of beds of trenches to correct leand disposal of surplus earth wengineer in charge providing fectors for non-vehicular traff (1.52 m) and lead up to one charge	true alignment and evel and grade cutti ithin a one chain as ence guards light fa ic where ever requ	shape leveling ng joint hoes directed by gs and temporary ired lift up 5 ft lea	d u		
	(1.52 m) and read up to one en	16100.00 Cft	@Rs 3600.00	P%0Cft	Rs	57960
Providing uPVC pipes of Class "B" (equivalent make) make fixing in trench i/c cutting fitting and jointing with "Z" joint with one rubber ring I/c testing with water to head 61 meter or 200 ft(P.H.S.I-1, P-22)						
		·	.S.I-1, P-22)			
	3" dia	1500.00 Rft.	@Rs 90.00	P-Rft		135000
		·		P-Rft P-Rft P-Rft	Rs	135000 82200 131000

TEE WITH FLANGE 3" dia 1.00 Nos: @Rs 1160.00 Each Rs 1160 4" dia 1.00 Nos: @Rs 1550.00 Each Rs 1550 6" dia 1.00 Nos: @Rs 3050.00 3050 Each Rs BEND WITH FLANGE 3" dia 2.00 Nos: @Rs 850.00 Each Rs 1700 4" dia 1.00 Nos: @Rs 1218.00 Each Rs 1218 6" dia 1.00 Nos: @Rs 2400.00 Each Rs 2400 Fire Hydrent Tee 6" dia 1.00 Nos: @Rs 1375.00 1375 Each Rs End Plugg. 3" dia @Rs: 368.75 1.00 Nos: Each Rs: 369 TAIL PIECE 3" dia 2250 6.00 Nos: @Rs 375.00 Each Rs 4" dia 6.00 Nos: @Rs 487.00 Each 2922 Rs 6" dia 6.00 Nos: @Rs 618.75 Each Rs 3713 Gibulat Joint 3" dia 6.00 Nos: @Rs 568.75 3413 Each Rs 4" dia 6.00 Nos: @Rs 731.25 Each Rs 4388 6" dia @Rs 1062.50 6.00 Nos: Each Rs 6375 C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2). 3" dia 1.00 Nos: @Rs 4290.00 Each 4290 Rs 4" dia 1.00 Nos: @Rs: 5460.00 Each Rs: 5460

5 Supplying Air valve double acting 3"x1" (S.M.- I - 8 P- 11)

6" dia

@Rs 9360.00

Each

Rs

9360

1.00 Nos:

S.No:	Description of item to be	Quantity	Rate	Unit		Amount
5.110.	executed at site					
		1.00 Nos:	@Rs 4000.00	Each	Rs	4000
			16			
6	Providing Laying G.I Pipe and complete i/c the cost of breakin painting 3 coats after cleaning t match the pressure head of 200 6" dia	g through walls and the pipe with zink p	d making good etc: paint with pigment t	0	Rs:	16337
7	Providing and fixing M.S flang and total weight as mentioned	against each item. l	It includes the cost			
	of making holes facing welding fitter cartage etc: complete.(PH	S.I-8, P-) (Part-	-C).			
	6" dia	2.00 Nos:	@Rs: 1520.00	Each	Rs:	3040
8	Jointing C.I /M.S flanged piped trench i/c supplying rubber pact bolts with washers etc and othe joints to the specified pressure	king of the required r tools required for	thickness nuts jointing and testing	g the		
	3" dia	6.00 Joints	@Rs 499.00	P-Joint	Rs	2994
	4" dia	6.00 Joints	@Rs 513.00	P-Joint	Rs	3078
	6" dia	6.00 Joints	@Rs: 938.00	P-Joint	Rs:	5628
9	Providing chamber 21/2x21/2 ((1372 mm) deep as per approve 457 mm) dia inside cost iron co (102 mm) thick (with 5 lbs ste wall set in 1:6 cement mortar 6 in foundation 1" (25 mm) thick cement plaster 1:3 to all inside M.S foot rest at every one foot illing and disposal of surplus ear	ed design for sluice over and frame (wt= eel per cft) 9" (299 a " (1152 mm) thick cement concrete 1 wall surface and to beyond 21/2 ft dep	value 3" to12" dia = 1 cwt qr) fixed in mm) thick brick ma cement concrete 1:3 :2:4 flooring ½" 12 o top i/c providing a th curing excavation	R.C.C 1:2 sonry 3:6 .5 mm) thand fixing	ick	75280
10	Refilling the excavated stuff in			Zacii	113	75200
10	ramming to fu compaction etc		•			
		14490.00 Cft	@Rs 2760.00	P%0Cft	Rs Rs	39992 611501
"D"	LOW SERVICE RESERVIOR	(L.S.R)				
1	Excavation in foundation of bu i/c dig billing dressing refilling Earth watering ramming up to 5	around the structur	res with excavated	P%0Cft	Rs	s 610
2	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (I (1:2:4).	ng and washing of	stone	P%Cft	Rs	s 12390

S.No:	Description of item to be	Quantity	Rate	Unit	Amount	
	executed at site					
3	Cement concrete plain i/c placi and curing complete i/c screeni aggregate without shuttering (1:4:8).	ing and washing of	stone	P%Cft	Rs 12849	
4	Pacca brick work in foundation sand mortar(1:6)(G.S.I No. 4 P	•	nt			
		183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956	
5	Filling watering ramming earth earth from out side lead upto or		•). P%0Cft	Rs 69	
_	G			_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
6	Cement plaster (1:4) up to 12'h	345.63 Sft	.I-11/ P/51) @Rs 2283.93	P%Sft	Rs 7894	
7	R.C.C work i/c all labour and reinforcement and its labour for This rate also i/c all kinds of for rendering and finishing the exproof slab beams columns rafts listing or prrecast laid in position cement 2 Cft, sand 4 cft shingle	r b/b which will be orms moulds lifting, losed surface (i/c s/v lintels and other stru complete in all resp	paid separately. shutting, curing, w of shingle) (a) R.O actural members laid sect. (I) Ratio 2:2:4	d in	Rs: 77645	
8	Fabrication of mild steel reinfolaying in position making joint (also i/c removal of rust from b	s and fastening i/c c	cost of binding wire	P/Cwt	Rs: 56569	
9	Cement plaster (1:4) up to 12'h	neight 3/4"thick (G	S I_11/ P/51)			
9	Cement plaster (1.4) up to 12 I	251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576	
10	upply of Dampo (Sch: of Mat:					
		5.01 Kg	@Rs 125.00	P/Kg	Rs 626	
11	Providing Laying G.I Pipe approved quality to be tested pressure i/c fixing cutting and fitting. (Sant: Sch: I-1, P-12)					
	3/4" dia	6.00 Rft.	@Rs: 62.38	P/Rft.	Rs: 374	
	3" dia	25.00 Rft.	@Rs: 304.02	P/Rft.	Rs: 7601	
12	Providing and fixing M.S flang and total weight as mentioned of making holes facing welding fitter cartage etc: complete.(PH 3" dia	against each item. I gg nuts bolts rubber	t includes the cost packing white lead	kness Each	Rs: 4725	
13	Supplying and fixing in position brass bib cock 3/4" dia standared pattern					
	(Sant: Sch: I-1-ii, P-16). 3/4"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396	

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
14	C.I Bend with flanged ends with holes i/c turning facing						
	flanged for all size (P.H.S.(M).I-8, P-11).						
		0.43 Cwt	@Rs 6096.00	P/Cwt.	Rs 2621		
15	Cost iron specials for A.C press			VII, P-15).			
		1.00 Nos:	@Rs 375.00	Each.	Rs 375		
16	Linking CLANC flower Lating and Linking Lating						
10	Jointing C.I /M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts						
	bolts with washers etc and other tools required for jointing and testing the						
	joints to the specified pressure	etc complete (P.H.	S- I-1 P-40)				
	3" dia	6.00 Joints	@Rs: 499.00	P-Joint	Rs: 2994		
17	Durani din a C I Main hala assan	0- fueres :/e each of	material etc. (DIIC)	I 1 D 25)			
17	Providing C.I Main hole cover	2.00 Cwt	6985.00	P/Cwt	Rs: 6985		
		1.00 CWt	0983.00	1/Cwt	Ks. 0903		
18	C.I Sluice valve heavy patter test pressure 21 Kg/sq: cm or 300 lbs/sq: inch.						
	(P.H.S.(M).I-12, P-2).						
	3"dia.	1.00 No:	@Rs 4290.00	Each.	Rs 4290		
19	P/F C.I Ventilator weight not to	ha lagg than 00 lbg	ongo in roof tonk				
19	of approved design rain with w			ete			
	(P.H.S.I-4, P-48).		punning etc. compre				
	,	1.00 No:	@Rs 4870.00	Each.	Rs 4870		
					Rs: 234416		
		2 x	234416	_	Rs: 468831		
		2 x	234410	=	KS. 400031		
"E"	REPAIR OF CIVIL WORK.						
1		ilding bridges and o	other structures				
	Excavation in foundation of building bridges and other structures i/c dig billing dressing refilling around the structures with excavated						
	Earth watering ramming up to 5ft (b) in ordinary soil (G.S.I-18/P/4)						
		351.68 Cft	@Rs 3176.25	P%0Cft	Rs 1117		
2	Earth work excavation in ASH	ES sand soft soil or	silt clearance				
2	undressed lead upto 50' ft. (G.S		siit cicarance				
	1	19474.00 Cft	@Rs 1663.75	P%0Cft	Rs 32400		
3	Extra for wet arth work.						
	(G.S.I-15, P-4)	19474.00 Cft	@Rs 423.50	P%0Cft	Rs 8247		
		17474.00 CIt	@ R5 425.50	1 /00011	K3 0247		
4	Pacca brick other than building i/c stricking of joints upto 20 ft						
	height in cement sand mortar(1:6)(G.S.I No. 7, P/21)						
		2067.84 Cft	@Rs 12346.65	P%Cft	Rs 255309		
5	R C C work i/c all labour and n	naterial except the c	rost of steel				
5	R.C.C work i/c 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/c all kinds of forms moulds lifting, shutting, curing,						
	rendering and finishing the exp	-		C work in			

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount		
	roof slab beams columns rafts l						
	situ or prrecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).						
	cement2 Cit, sand 4 cit sningle	272.67 Cft	@Rs 337.00	P/Cft	Rs: 91890		
		272.07 Cit	@K\$ 337.00	1/Cit	Ks. 91090		
6	Fabrication of mild steel reinfo	roomant for CCi	a outting banding				
O	laying in position making joints						
	(also i/c removal of rust from b	_	_				
	`	10.95 Cwt	@Rs 5001.70	P/Cwt	Rs: 54769		
7	Cement concrete brick or stone ballest 1-1/2" to 2" gauge						
,	(Ratio 1:4:8).(G.S.I-4 P/14)		88.				
		3736.96 Cft	@Rs 9416.28	P%Cft	Rs 351883		
8	Cement concrete plain i/c placi	ng compacting fini	shing				
	and curing complete i/c screeni						
	aggregate without shuttering (l						
		275.00 Cft	@Rs 11288.75	P%Cft	Rs 31044		
9	Brick linning (9"x4-1/2"x3" in	cement sand morto	r (1:3)				
	On Slope. (G.S.I-9, P/74)						
		407.00 Cft	@Rs 14204.44	P%Cft	Rs 57812		
10	Cement concrete plain i/c placi	ng compacting fini	shing				
	and curing complete i/c screeni	ng and washing of	stone				
	aggregate without shuttering (l						
		2823.25 Cft	@Rs 14429.25	P%Cft	Rs 407374		
11	Providing and laying 3" thick to	1 0	` ,	ırface,			
	finishing and dividing in to panel (GSI No. 16 P/41)						
		120.00 Sft	@Rs 4411.82	P%Sft	Rs: 5294		
12	Cement, Plaster (1:4) up to 12'	height 1/2" thick (G	.S.I. No.13 P/51)				
	•	6302.66 Sft	@Rs 2283.93	P%Sft	Rs: 143948		
13	Cement, Pointing struck joint of	on walls (1:3) (G.S.	I. No.19 P/52)				
		2832.00 Sft	@Rs: 1213.58	P%Sft	Rs: 34369		
14	White washing of two coats (G	.S.I. No.26 P/53)					
	· · · · · · · · · · · · · · · · · · ·	4042.16 Sft	@Rs: 425.84	P%Sft	Rs: 17213		
15	Color Washing (2 coats) (G.S.I	.No:25, P/53).					
10		4042.16 Sft	@Rs: 859.90	P%Sft	Rs: 34759		
16	PAINTING NEW SURFACE						
10	Preparing surface and painting of door and window any type i/c						
	Edges 3 coats (G.S.I. No.5 P/6		J J1				
		120.00 Sft	@Rs: 2116.41	P%Sft	Rs: 2540		
17	PAINTING OLD SURFACE						
	Preparing surface and painting	of door and window	w any type i/c				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	Edges 3 coats (G.S.I. No.4, P/o	.67) 104.00 Sft	@Rs: 1160.06	P%Sft	Rs: 1206
18	Making and fixing steel grated frame 2"x2"x 3/8" and 3/4" sq: locking arrangement (G.S.I. No.	bars 4" Center to ce	0 0	on P/Sft	Rs: 43603
19	Dismaintling cement concrete a concrete and cleaning and strait (G.S.I-20, P/10)	reinforcement sseprent ghtening the same	rating from		
		87.89 Cft	@Rs 5445.00	P%Cft	Rs 4786
20	Dismaintling brick work in lim (G.S.I-13, P/10)				
		133.20 Cft	@Rs 1285.63	P%Cft	Rs 1712
21	Dry brick on edges paving sand of bed by wawtering ramming proper camber by 1/2" thick my (G.S.I-5, P/39)	and bringing the sar			
	,	1200.00 Sft	@Rs 3823.57	P%Sft	Rs 45883
22	Fabrication of heavy steel work for making trsses girders, tanks handling assembling and fixing	s etc: i/c cutting tan	ks etc: i/c cutting dr	illing rive	ting
23	Erection and fitting in position (C.S.I.No. 3 P/ 91)	of iron trusses stag	ing of water tanks e	tc:	
	(0.2.12.101.0.17.7.1)	1.00 Cwt	@Rs: 271.04	P/Cwt	Rs 271
24	Excavation for pipe line entrent trimming and dressing sides to of beds of trenches to correct leand disposal of surplus earth wengineer in charge providing fecrossing for non vehicular traff (1.52 m) and lead up to one charge of the	true alignment and evel and grade cuttivithin a one chain as ence guards light fagic where ever requi	shape leveling ng joint hoes directed by gs and temporary red lift up 5 ft lead		Po 1440
	o to 3 deptil	400.00 CII	@K\$ 3000.00	P%0Cft	Rs 1440
25	Excavation for pipe line entrent trimming and dressing sides to of beds of trenches to correct leand disposal of surplus earth wengineer in charge providing for crossing for non vehicular traff (1.52 m) and lead up to one charge to 8' depth	true alignment and evel and grade cutti within a one chain as ence guards light fag fic where ever requi	shape leveling ng joint hoes directed by gs and temporary red lift up 5 ft lead	u P%0Cft	Rs 476
		30.00 010		00010	/ 9

	S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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26	Providing RCC pipe of ASTM C-76 Wall B and fixing in trenches i/c curubber rings i/c testing with water to	tting fitting and	jointing with	17)		
	12" dia	16.00 Rft	@Rs 412.00	P/Rft	Rs	6592
27	Refilling the excavated stuff in tren ramming to fu compaction etc comp					
		432.00 Cft	@Rs 2760.00	P%0Cft	Rs	1192
28	Providing and laying (MAIN or SU with size 4-7/0.044 (6mm2) copper PVC conduit on surface. (Elec: Sch	conductor in 1-	1/2"dia	P/Meter	Rs Rs	56600 1698657

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"A"	PUMP HOUSE	0	192626	Rs: 192626
"B"	PUMPING MACHINARY I/C SUCTION & DELIVERY.	0	154563	Rs: 154563
"C"	PVC PIPE LINE	0	611501	Rs: 611501
"D"	LOW SERVICE RESERVIOR (L.S.R)	0	468831	Rs: 468831
"E"	REPAIR OF CIVIL WORK.	0	1698657	Rs: 1698657
	TOTAL AMOUNT	0	3126177	Rs: 3126177

S.No:	Description of item to be executed at site	Quantity	Rat	te Unit	Amount
		Non Sci	n: Items Sc	ch: Items	Total amount
	(1) - REHABILITATION OF WATER SUPPLY SCHEME O 2143271				
(2) - REHA SHAH GOI	BILITATION OF WATER SUPPLY DERIO	SCHEME () 15	520448	Rs: 1520448
	BILITATION OF WATER SUPPLY EER MUHAMMAD KALHORO	SCHEME () 15	581641	Rs: 1581641
(4) - REHA RAMZAN	BILITATION OF WATER SUPPLY BABAR	SCHEME () 6	99779	Rs: 699779
(5) - REHA LAL BUX	BILITATION OF WATER SUPPLY WADHA	SCHEME () 24	470401	Rs: 2470401
(6) - REHA ALI PUR	BILITATION OF WATER SUPPLY	SCHEME () 25	583076	Rs: 2583076
(7) - REHA QASIM RO	BILITATION OF WATER SUPPLY DHRANI	SCHEME () 41	187179	Rs: 4187179
(8) - REHA DODO ROI	ABILITATION OF WATER SUPPL' DHRANI	Y SCHEME () 26	655509	Rs: 2655509
	BILITATION OF WATER SUPPLY JHAMMAD JAMALI	SCHEME (31	126177	Rs: 3126177
	G. TOTAL AMOUNT.	(20	967480	Rs: 20967480
	os of CSP	Rs:			
<u>%</u> 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 AMOUNT .				Rs:

CONDITIONS

- 1 The contractor will have to remove the surplus excavated stuff from the side of work to be out of town at his own cost
- 2 The contractor arrange the material for construction of work from the approved quarry as shown in the estimate.
- No premium should be allowed on approved / market rate.
- 4 Any error or omission in the rate description unit shall be reffered to particular schedule of rates
- 5 No cartage shall be paid seprately.

CONTRACTOR

EXECUTIVE ENGINEER
Public Health Engineering Dvision
DADU

BILL OF QUANTITY

REHABILITATION OF WATER SUPPLY SCHEME

SOJHRO MIRWANI, SHAH GODERIO, MIAN NASEER MUHAMMAD KALHORO, RAMZAN BABAR, LAL BUX WADHA, ALI PUR, QASIM RODHRANI, DODO RODHRANI & KHAIR MUHAMMAD JAMALI 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
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(1) - REHABILITATION OF WATER SUPPLY SCHEME SOJHRO MIRWANI TALUKA MEHAR DISTRICT DADU

"E" REPAIR OF TRANSFORMER

1 Supply of Coil for trnasformer

(NonSch: Item)

3.00 Coils @Rs: 15000.00 P/Coil Rs: 45000

2 Supply of trnasformer Oil

(NonSch: Item)

80.00 Litters @Rs: 180.00 P/Litter Rs: 14400

3 Labour charges dis assembling assembling transformer

uninstalling and installing the same etc: complete

(NonSch: Item)

1.00 Job @Rs: 5000.00 P/Job Rs: 5000

Rs: 64400

"F" ANNUAL MAINTENANCE COST.

1 Annual Operation & Maintenance charges i/c establishment charges.

1.00 Year @Rs: 350000.00 P/Year Rs: 350000

Rs: 350000

ABSTRACT

		Non Sch: Items	Sch: Items	<u>Total amount</u>
"E"	REPAIR OF TRANSFORMER	64400	0	Rs: 64400
"F"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	414400	0	Rs: 414400

(2) - REHABILITATION OF WATER SUPPLY SCHEME SHAH GODERIO TALUKA MEHAR DISTRICT DADU

"C" INTER CONNECTION AND PUMPING MACHINARY

Providing Installing in position i/c tranportation at site of work Golden-SAER Submersible pump NR-151 C/13 Type 4"(2") with 10 BHP 3 phase Electric Motor Origin: SAER-Italy for Discharge 80 GPM at 500 ft head with local made accessories for 400 ft setting as under:- Electric drop cable 20mm2 - 3 core x 450 feet water proof joint G.I pipe 2-1/2"IIL - M grade x 400 feet G.I bend 2-1/2"x1 G.I delivery pipe 2-1/2" IIL - M grade x 5 feet M.S foundation plate with T-Bolts M.S holding clamp

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	2-1/2"x1 sockets 2-1/2"x40 M.: x 850 feet i/c providing and fix consists oil start (MEECO Paki (Shihlin taiwan) Cutout 60-A c volt meter 500 - V) (SELCO Cl transformer oil (2-litter) Panel I complete and poviding fixing e pumping set against 72 hours. (ing automatic MCU istan) MCCB Break hina Amp: meter (6 hina) Phase indicati board 18"x26" and arthing arrangemen	(Motor control wer 10-A to 50-A 0-A (SELCO Chion light (China) internal wiring E	na) nclude CC he	Rs: 560430
2	Flange Adopter. (Non Schedule 3" dia	e Item) 8.00 Nos:	@Rs: 675.00	Each	Rs: 560430 Rs: 5400 Rs: 5400
		1 2	x 560430 x 5400	=	Rs: 560430 Rs: 10800 Rs: 571230
" D "	P.E PIPE LINE Flange Adopter. (Non Schedule 3" dia (90mm)	e Item) 2.00 Nos:	@Rs: 675.00	Each	Rs: 1350
	4" dia (110mm) 6" dia (160mm)	2.00 Nos: 2.00 Nos:	@Rs: 1215.00 @Rs: 2025.00	Each Each	Rs: 2430 Rs: 4050 Rs 7830
<u>"G"</u>	ANNUAL MAINTENANCE Annual Operation & Maintenan		olishment charges @Rs: 350000.00		Rs: 350000 Rs: 350000
		ABSTRACT	T. G.1. T.		m . 1
"C"	INTER CONNECTION AND I	PUMPING 571			Total amount Rs: 571230
"D"	P.E PIPE LINE	78	30 0		Rs: 7830
"G"	ANNUAL MAINTENANCE C	COST. 350	000 0		Rs: 350000

(3) - REHABILITATION OF WATER SUPPLY SCHEME MIAN NASEER MUHAMMAD KALHORO

929060

0

Rs: 929060

TALUKA K.N.SHAH DISTRICT DADU

"B" PUMPING MACHINARY

TOTAL AMOUNT

Providing installing and testing in position i/c transportation HMA solid shaft vertical electric motor i/c turbine pump type HBP+25 BHP siemens motor (HBP 46 - 9) (3x400 V, 50 HZ, 2900 RPM) with

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	suction dischare top set 4" dia x mechanical seal, bowl assembly assembly 5"dia x 01 No: capable the head of 250 ft and pump set earthing attached set with 0.6mm burried in the ground at the depospecification and providing fixing box circuit braker amper meters switch electronic over current reinternal electric wiring for main etc: complete. (Non schedule ite	v sution pipe 1.6m see given discharge 1 ting depth 10 ft i/c x0.6mx3.6mm (2"x th of 3.7m or 12 ft ng motor control wolt meter magnatically and indication or testing the pumers).	5"dia column pipe 180 GPM against C.C foundation (2"x1/4") G.I plate as per PWD nit consisting metal c contractor on / off s lamps i/c providing uping set against 72	f ng hours	
		2.00 Set	@Rs: 1046000	P/Set.	Rs: 2092000
2	Flange Adopter. (Non Schedule 6" dia	16.00 Nos:	@Rs: 2025.00	Each	Rs: 32400
3	Providing installing and testing stablizer i/c carriage from karac (Non schedule item) 25 HP		-	Each	Rs: 100000 Rs: 2224400
<u>"E"</u>	REPAIR OF TRANSFORME				
1	Supply of Coil for trnasformer ((NonSch: Item)	(50 KVA) 3.00 Coils	@Rs: 15000.00	P/Coil	Rs: 45000
2	Supply of L.T coil for trnasform	ner (50 KVA)			
	(NonSch: Item)	3.00 Coils	@Rs: 8000.00	P/Coil	Rs: 24000

4 Labour charges dis assembling assembling transformer uninstalling and installing the same etc: complete

(NonSch: Item)

1.00 Job @Rs: 5000.00 P/Job Rs: 5000

Rs: 95600

"F" ANNUAL MAINTENANCE COST.

1 Annual Operation & Maintenance charges i/c establishment charges.

1.00 Year @Rs: 350000.00 P/Year Rs: 350000

Rs: 350000

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"B"	PUMPING MACHINARY	2224400	0	Rs: 2224400
"E"	REPAIR OF TRANSFORMER	95600	0	Rs: 95600
"F"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	2670000	0	Rs: 2670000

(4) - REHABILITATION OF WATER SUPPLY SCHEME RAMZAN BABAR

TALUKA K.N.SHAH DISTRICT DADU

"B" P/ MACHINERY I/C I / CONNECTION

GOLDEN - SAER Submersible pump NR - 151 C/13 Type 4" (2")

with 10 HP, 3 phase Electric Motor Original SAER - Italy For Discharge

100 US GPM @ 170 Feet Head with local Made accessories for 100 Feet setting as under:-

Control Pannel having instrument Main circuit Breaker, Phase failure over load relay,

Magnetic Control, Dry running protector, Ampere / Volt Meter, LED's Electric

Drop Cable 10mm2 - 3 core x proof joint. G.I Pipe 2" IIL - M Grade x 60 feet

G.I Bend 2"x1", G.I Delivery pipe 2" IIL - M G x 5 feet,

M.S Foundation plate with T-Bolts, M.S Holding clamp 2"x1"

Sockets 2-1/2"x20, M.S Bore cover plate x 1 wire rope with clamps x 150 feet

transportation and installation included. (R.A Attached)

1.00 Set @Rs: 560430 P/Set. Rs: 560430

2 S/F Automatic Motor Control Unit (MCU)consist oil starter (MECCO Pakistan) MCCB Breaker 10-A to 50-A (Shihlin Taiwan)

Cutout 60-A (China) Amp: Meter (60/5A) (SELCO China) volt meter

(500-V (SELCO China) Phase indication Light (China) include transformer

oil (2 liter) Panel Board 18"x26"x9" and internal wiring etc: complete.

For Village Zangi Birohi

7.5 BHP 1.00 Set @Rs: 24700 P/Set. Rs: 24700

3 Supplying Mechinical seal for HMA pumps. (Market rate).

For Village Zangi Birohi

1.00 Nos: @Rs: 10000.00 Each. Rs: 10000

4 Supplying bore plate, bross gutka (fitting key) (Market rate).

For Village Zangi Birohi

1.00 Nos: @Rs: 6000.00 Each. Rs: 6000

5 FLANGE ADOPTER. (NON SCH: ITEM)

3" dia 8.00 Nos: @Rs: 675 Each Rs: 5400

6 Supply of coil for transformer

(Approved rate).

3.00 Coils @Rs: 15000 P/Coil Rs: 45000

7 Supply of transformer oil

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount	
	(Approved rate).	30.00 Litters	@Rs: 150	P/Litter	Rs: 4500	
8	Labour charges disassembling assembling transformer uninstalling and installing the same etc: complete. (Approved rate).					
	(126610100100)	1.00 Job	@Rs: 5000	P/Job	Rs: 5000 Rs: 661030	

"E" ANNUAL MAINTENANCE COST.

Annual Operation & Maintenance charges i/c establishment charges.

1.00 Year @Rs: 350000.00 P/Year Rs: 350000

Rs: 350000

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"B"	P/ MACHINERY I/C I / CONNECTION	661030	0	Rs: 661030
"E"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	1011030	0	Rs: 1011030

(5) - REHABILITATION OF WATER SUPPLY SCHEME LAL BUX WADHA TALUKA K.N.SHAH DISTRICT DADU

"C" PUMPING MACHINARY

Providing Installing in position i/c tranportation at site of work Golden-SAER Submersible pump NR-151 C/10 Type 6"(2-1/2") with 7.5 BHP 3 phase Electric Motor Origin: SAER-Italy for Discharge 70 GPM at 200 ft head with local made accessories for 50 ft setting as under:-contol pannel having instruments main circuit breaker, phase failure, over load relay, Magenic contractor, dry running protector Amper / Volt meter LEDs Electric drop cable 20mm2 - 3 core x 100 feet water proof joint G.I pipe 2-1/2"IIL - M grade x 50 feet G.I bend 2-1/2"x1 G.I delivery pipe 2-1/2" IIL - M grade x 5 feet M.S foundation plate with T-Bolts M.S holding clamp 2-1/2"x1 sockets 2-1/2"x30 M.S bore cover plate x 1 wire rope with clamps x 100 feet i/c earthing and C.C foundation and making necessary arrangement for resting of complete set against the required head for 72 hours (R.A Approved)

1.00 Set @Rs: 618700.00 P/Set. Rs: 618700

Flange Adopter. (Non Schedule Item)

3" dia 8.00 Nos: @Rs: 675.00 Each Rs: 5400

Rs: 624100

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
		624100 v	2	_	Pet 1248200

F" ANNUAL MAINTENANCE COST.

Annual Operation & Maintenance charges i/c establishment charges.

1.00 Year @Rs: 350000.00 P/Year Rs: 350000

Rs: 350000

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"C"	PUMPING MACHINARY	1248200	0	Rs: 1248200
"F"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	1598200	0	Rs: 1598200

(6) - REHABILITATION OF WATER SUPPLY SCHEME ALI PUR TALUKA K.N.SHAH DISTRICT DADU

"A" - PUMPING MACHINARY

Supplying installing in position i/c transportation at site of work Electric pumping set consisting A.C Electrict Motor (KSB made) 15 BHP 2900 RPM (framme 160 M coupled with ETA NORMS Pump 65-200 size 3"x2-1/2" mounted on KSB steel framme or base plate capable of discharging 125 gallons against the head of 150 ft i/c installation of pumping set on c.c foundation 1:2:4 and (Ratio 1:4:8) with stone ballest with M.S nuts and bolts of 5/8" dia to be embeded in c.c foundation i/c S/F Automatic Motor Control Unit (MCU)consist oil starter (MECCO Pakistan) MCCB Breaker 10-A to 50-A (Shihlin Taiwan) Cutout 60-A (China) Amp: Meter (60/5A) (SELCO China) volt meter (500-V (SELCO China) Phase indication Light (China) include transformer oil (2 liter) Panel Board 18"x26"x9" and internal wiring etc: complete. from MCU to electric motor 3-7/.052 insulted wire 660 volts grade in 50.8 mm (2") PVC conduit on surface as required i/c providing and fixing earthing set 0.6mx0.6m(2'x2'x1/4") copper plate burried out in the ground at depth 3.7m (12") as per Pak: PWD specification and testing the pumping set against the required head and discharge of 72 hours etc: complete.

2.00 Set @Rs: 331600.00 P/Set Rs: 663200

2 FLANGE ADOPTER. (NON SCH: ITEM)

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	6" dia	11.00 Nos:	@Rs: 2025	Each	Rs: 22275
	3" dia	8.00 Nos:	@Rs: 675	Each	Rs: 5400
					Rs: 690875
"F" -	REPAIR OF TRANSFORME	E R			
1	Rewinding / Repair of transform	ner Coil 50 KVA			
	H.T Coil	3.00 Nos:	@Rs: 15000.00	Each	Rs: 45000
	L.T Coil	3.00 Nos:	@Rs: 8000.00	Each	Rs: 24000
2	Supply of Transformer Oil				
		120.00 Litters	@Rs: 180.00	P/Litter	Rs: 21600
3	Labour charges				
	C	1.00 Job	@Rs: 5000.00	P/Job	Rs: 5000
				Total.	Rs: 95600
<u>"G"</u>	ANNUAL MAINTENANCE	COST.			
1	Annual Operation & Maintenar		olishment charges.		
	•	1.00 Year	@Rs: 350000.00	P/Year	Rs: 350000

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"A" -	PUMPING MACHINARY	690875	0	Rs: 690875
"F" -	REPAIR OF TRANSFORMER	95600	0	Rs: 95600
"G"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	1136475	0	Rs: 1136475

(7) - REHABILITATION OF WATER SUPPLY SCHEME QASIM RODHRANI TALUKA JOHI DISTRICT DADU

"C" PUMPING MACHINARY

Providing Installing in position i/c tranportation at site of work
Golden-SAER Submersible pump NR-151 C/15 Type 6"(2-1/2") with
15 BHP 3 phase Electric Motor Origin: SAER-Italy for Discharge 70 GPM
at 400 ft head with local made accessories for 300 ft setting as under:contol pannel having instruments main circuit breaker, phase failure, over load
relay, Magenic contractor, dry running protector Amper / Volt meter LEDs
Electric drop cable 20mm2 - 3 core x 350 feet water proof joint G.I pipe
2-1/2"IIL - M grade x 300 feet G.I bend 2-1/2"x1 G.I delivery pipe 2-1/2"
IIL - M grade x 5 feet M.S foundation plate with T-Bolts M.S holding clamp
2-1/2"x1 sockets 2-1/2"x30 M.S bore cover plate x 1 wire rope with clamps
x 600 feet i/c earthing and C.C foundation and making necessary arrangement
for resting of complete set against the required head for 72 hours
(Non Schedule Item)

1.00 Set @Rs: 973300.00 P/Set. Rs: 973300

Rs: 350000

2 Flange Adopter. (Non Schedule Item)

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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3" dia 6.00 Nos: @Rs: 675.00 Each Rs: 4050

Rs: 977350

"E" ANNUAL MAINTENANCE COST.

Annual Operation & Maintenance charges i/c establishment charges.

1.00 Year @Rs: 350000.00 P/Year Rs: 350000

Rs: 350000

ABSTRACT

		Non Sch: Items	Sch: Items	Total amount
"C"	PUMPING MACHINARY	977350	0	Rs: 977350
"E"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	1327350	0	Rs: 1327350

(8) - REHABILITATION OF WATER SUPPLY SCHEME DODO RODHRANI

TALUKA JOHI DISTRICT DADU

"C" PUMPING MACHINARY

Providing Installing in position i/c tranportation at site of work Golden-SAER Submersible pump NR-151 C/13 Type 4"(2") with 10 BHP 3 phase Electric Motor Origin: SAER-Italy for Discharge 80 GPM at 500 ft head with local made accessories for 400 ft setting as under:- Electric drop cable 20mm2 - 3 core x 450 feet water proof joint G.I pipe 2-1/2"IIL - M grade x 400 feet G.I bend 2-1/2"x1 G.I delivery pipe 2-1/2" IIL - M grade x 5 feet M.S foundation plate with T-Bolts M.S holding clamp 2-1/2"x1 sockets 2-1/2"x40 M.S bore cover plate x 1 wire rope with clamps x 850 feet i/c providing and fixing automatic MCU (Motor control unit) consists oil start (MEECO Pakistan) MCCB Breaker 10-A to 50-A (Shihlin taiwan) Cutout 60-A china Amp: meter (60-A (SELCO China) volt meter 500 - V) (SELCO China) Phase indication light (China) include transformer oil (2-litter) Panel board 18"x26" and internal wiring ETC complete and poviding fixing earthing arrangements and testing of the pumping set against 72 hours. (Non Sch: Item)

1.00 Set @Rs: 560430.00 P/Set. Rs: 560430

2 Flange Adopter. (Non Schedule Item)

3" dia 8.00 Nos: @Rs: 675.00 Each Rs: 5400

Rs: 565830

"F" ANNUAL MAINTENANCE COST.

1 Annual Operation & Maintenance charges i/c establishment charges.

S.No: Des	scription of item to be executed at site	Quantity	Rate	Unit	Amount
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1.00 Year @Rs: 350000.00

Rs: 350000 Rs: 350000

P/Year

ABSTRACT

		Non Sch: Items	Sch: Items	<u>Total amount</u>
"C"	PUMPING MACHINARY	565830	0	Rs: 565830
"F"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
	TOTAL AMOUNT	915830	0	Rs: 915830

(9) - REHABILITATION OF WATER SUPPLY SCHEME KHAIR MUHAMMAD JAMALI

TALUKA JOHI DISTRICT DADU

"B" PUMPING MACHINARY I/C SUCTION & DELIVERY.

Providing Installing in position i/c tranportation at site of work Electric pumping set consisting A.C Electric motor (KSB made) 5.5 BHP 2900 RPM (Type ILA7 113-2AA60) framme 60 M coupled with ETA NORMS 40-200 size 2"x1-1/2" mounted on KSB steel framme or base plate capable of discharging 100 gallons against the head of 40 ft i/c installation of pumping set on C.C foundation 1:2:4 and 1:4:8 with stone ballest with M.S nuts and bolts of 5/8"dia to be embeded in C.C foundation i/c providing fixing MCU (MECO made) all acessaries consisting of ASD 5.5 KW (Automatic star delta starter) circuit breaker MCCB over load relay timer relay push buttons indicators and internal wiring) and all these componants are fixing in a metallic dust and smoke proof box, providing internal electric wiring from MCU to electric motor 3-7/0.44 PVC insulated wire 660 volts grade in 50.8 mm (2") PVC conduit on surface as required i/c providing fixing earthing set 0.6mx0.6mx3.6mm (2'x2'x1/4") copper plate burried out in the ground at depth 3.7m (12") as per Pak PWD specification and testing the pumping set against the required head and discharge of 72 hours etc: complete. (Non Schedule Item)

At Storage tank 1.00 Set @Rs: 252100.00 P/Set. Rs: 252100

Providing Installing in position i/c transportation at site of work Electric pumping set consisting A.C Electric motor (KSB made) 7.5 BHP 1450 RPM (Type ILA7 113-2AA60) framme 60 M coupled with GOLDEN PUMP 65-27 size 3"x2-1/2" mounted on KSB steel framme or base plate capable of discharging 50 gallons against the head of 40 ft i/c installation of pumping set on C.C foundation 1:2:4 and 1:4:8 with stone ballest with M.S nuts and bolts of 5/8"dia to

Description of item to be S.No: Quantity Rate **Amount** Unit executed at site be embeded in C.C foundation i/c providing fixing MCU (MECO made) MCCB breaker 10-A to 50-A (Shihlin Taiwan) Cutout 60-A (China) Amp meter (60/5A) SELCO china) volt meter (600-V) (SELCO China) phase indication light (China) include transformer Oil (2 litters0 panel board 18"x26"x9" and internal wiring etc: complete providing internal electric wiring from MCU to electric motor 3-7/0.44 PVC insulated wire 660 volts grade in 50.8 mm (2") PVC conduit on surface as required i/c providing fixing earthing set 0.6mx0.6mx3.6mm (2'x2'x1/4") copper plate burried out in the ground at depth 3.7m (12") as per Pak PWD specification and testing the pumping set against the required head and discharge of 72 hours etc: complete. (Non Schedule Item) At Raw water 1.00 Set @Rs: 192800.00 P/Set. Rs: 192800 3 Flange Adopter. (Non Schedule Item) 16.00 Nos: @Rs: 675.00 Each Rs: 10800 Rs: 455700 455700 2 Rs: 911400 X **ANNUAL MAINTENANCE COST.** Annual Operation & Maintenance charges i/c establishment charges. 1.00 Year @Rs: 350000.00 P/Year Rs: 350000 Rs: 350000 **ABSTRACT**

	TOTAL AMOUNT	1261400	0	Rs: 1261400
"F"	ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
"B"	PUMPING MACHINARY I/C SUCTION & DELIVERY.	911400	0	Rs: 911400
		Non Sch: Items	Sch: Items	Total amount

GENERAL ABSTRACT

Non Sch: Items Sch: Items Total amount

S.No:	Description of item to be executed at site	Quantity		Rate	Unit	Amount
(1) - REHA SOJHRO M	BILITATION OF WATER SUPPLY IIRWANI	SCHEME 4	14400	0		Rs: 414400
(2) - REHA SHAH GOI	BILITATION OF WATER SUPPLY DERIO	SCHEME 9	29060	0		Rs: 929060
	BILITATION OF WATER SUPPLY SEER MUHAMMAD KALHORO	SCHEME 26	570000	0		Rs: 2670000
(4) - REHA RAMZAN	BILITATION OF WATER SUPPLY BABAR	SCHEME 10	011030	0		Rs: 1011030
(5) - REHA LAL BUX	BILITATION OF WATER SUPPLY WADHA	SCHEME 15	598200	0		Rs: 1598200
(6) - REHA ALI PUR	BILITATION OF WATER SUPPLY	SCHEME 11	36475	0		Rs: 1136475
(7) - REHA QASIM RO	BILITATION OF WATER SUPPLY DHRANI	SCHEME 13	327350	0		Rs: 1327350
(8) - REHA	ABILITATION OF WATER SUPPL' DHRANI	Y SCHEME 9	15830	0		Rs: 915830
` ′	BILITATION OF WATER SUPPLY JHAMMAD JAMALI	SCHEME 12	261400	0		Rs: 1261400
	G. TOTAL AMOUNT.	11	263745	0		Rs: 11263745
Total Amount of Composite Schedule						Rs:
<u>%</u> above / below on the rates of CSR Amount to be added / deducted on the basis of premium					R	Rs:
	Total Amount of Non Scho	edule items				Rs:
	TOTAL AMOUNT .					Rs:

CONDITIONS

- 1 The contractor will have to remove the surplus excavated stuff from the side of work to be out of town at his own cost
- 2 The contractor arrange the material for construction of work from the approved quarry as shown in the estimate.
- No premium should be allowed on approved / market rate.
- 4 Any error or omission in the rate description unit shall be reffered to particular schedule of rates
- 5 No cartage shall be paid seprately.

CONTRACTOR

EXECUTIVE ENGINEER
Public Health Engineering Dvision
DADU

SUMMARY OF BILL QUANTITY

REHABILITATION OF WATER SUPPLY SCHEME

SOJHRO MIRWANI, SHAH GODERIO, MIAN NASEER MUHAMMAD KALHORO, RAMZAN BABAR, LAL BUX WADHA, ALI PUR, QASIM RODHRANI, DODO RODHRANI & KHAIR MUHAMMAD JAMALI DISTRICT DADU

TALUKA MEHAR, K.N.SHAH & JOHI 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 Dvision
DADU

EXECUTIVE ENGINEER
Public Health Engineering Dvision
DADU