

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 Muhammad Kalhoru, 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)
(l)	Liquidity Damages:-	(1% on estimated cost per day subject to minimum of 10%)
(m)	Deposit receipt No: date & Amount (in words and figure):-	C.D No: _____ dated:- _____ Amount Rs: _____ Bank _____ : _____ M/S _____

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU

INSTRUCTIONS TO BIDDERS

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

A. GENERAL

IB.1 Scope of Bid & Source of Funds

1.1 Scope of Bid

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

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

1.2 Source of Funds

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

IB.2 Eligible Bidders

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

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

Provided that the works costing Rs. 4.00 million or less shall not require any registration with PEC .

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

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

c) If prequalification has not undertaken, the procuring agency may ask information and documents not limited to following:-

(i) Company profile;

(ii) Works of similar nature and size for each performed in last 3/5 years;

(iii) Construction equipments;

(iv) Qualification and experience of technical personnel and key site management; Sindh Public Procurement Regulatory Authority | www.pprasindh.gov.pk

(v) Financial statement of last 3 years;

(vi) Information regarding litigations and abandoned works if any.

IB.3 Cost of Bidding

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

Executive Engineer
PHE Division Dadu

CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

Definitions

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

The Contract

1.1.1 —Contract^{||} means the Contract Agreement and the other documents listed in the Contract Data.

1.1.2 —Specifications^{||} means the document as listed in the Contract Data, including Procuring Agency's requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.

1.1.3 —Drawings^{||} means the Procuring Agency's drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

Persons

1.1.4 —Procuring Agency^{||} means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.

1.1.5 —Contractor^{||} means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Procuring Agency) any assignee.

1.1.6 —Party^{||} means either the Procuring Agency or the Contractor.

Dates, Times and Periods

1.1.7 —Commencement Date^{||} means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.

1.1.8 —Day^{||} means a calendar day

1.1.9 —Time for Completion^{||} means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

1.1.10 —Cost^{||} means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

1.1.11 —Contractor's Equipment^{||} means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.

1.1.12 —Country^{||} means the Islamic Republic of Pakistan.

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

1.1.14 —Force Majeure means an event or circumstance which makes performance of a Party's obligations illegal or impracticable and which is beyond that Party's reasonable control.

1.1.15 —Materials means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.

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

1.1.17 —Site means the places provided by the Procuring Agency where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.

1.1.18 —Variation means a change which is instructed by the Engineer/Procuring Agency under Sub-Clause 10.1.

1.1.19 —Works means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.

1.1.20 —Engineer means the person notified by the Procuring Agency to act as Engineer for the purpose of the Contract and named as such in Contract Data.

1.1 Interpretation

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

1.2 Priority of Documents.

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

1.4 Law

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

1.5 Communications

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

1.6 Statutory Obligations

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

2. THE PROCURING AGENCY

2.1 Provision of Site

The Procuring Agency shall provide the Site and right of access thereto at the times stated in the Contract Data. Site Investigation Reports are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.

2.2 Permits etc.

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

2.3 Engineer's/Procuring Agency's Instructions

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

2.4 Approvals

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

3. ENGINEER'S/PROCURING AGENCY'S REPRESENTATIVES

3.1 Authorized Person

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

3.2 Engineer's/Procuring Agency's Representative

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

4. THE CONTRACTOR

4.1 General Obligations

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

4.2 Contractor's Representative

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Procuring Agency for such appointment which consent shall not be withheld without plausible 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 Maintenance Period.

9. REMEDYING DEFECTS

9.1 Remedying Defects

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Procuring Agency, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Procuring Agency/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid obligations, the Procuring Agency/Engineer shall issue a Maintenance Certificate whereupon all obligations of the Contractor under this Contract shall come to an end. Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Procuring Agency to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

9.2 Uncovering and Testing

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

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

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

10.2 Valuation of Variations

Variations shall be valued as follows:

- a) At a lump sum price agreed between the Parties, or
- b) Where appropriate, at rates in the Contract, or
- c) In the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) At appropriate new rates, as may be agreed or which the Engineer/Procuring Agency considers appropriate, or

e) If the Engineer/Procuring Agency so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

10.3 Changes in the Quantities.

a) If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Procuring Agency/Engineer shall adjust the rate to allow for the change and will be valued as per sub clause 10.2.

b) The Engineer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Procuring Agency.

c) If requested by the Engineer, the contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

10.4 Early Warning

The Contractor shall notify the Engineer/Procuring Agency in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment. To the extent of the Contractor's failure to notify, which results to the Engineer/Procuring Agency being unable to keep all relevant records or not taking steps to minimize any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

10.5 Valuation of Claims

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

10.6 Variation and Claim Procedure

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

11. CONTRACT PRICE AND PAYMENT

11.1 (a) Terms of Payments

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall, subject to Clause 11.3, be paid by the Procuring Agency to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Procuring Agency and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 11.5, within 60 days after such Final Payment Certificate has been jointly verified by Procuring Agency and Contractor; Provided that the Interim Payment shall be caused in thirty (30) days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Procuring Agency to make payment within 90 days then Procuring Agency shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum in local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid.

(b) Valuation of the Works

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

11.2 Monthly Statements

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

a) The value of the Works executed less to the cumulative amount paid previously; and

b) Value of secured advance on the materials and valuation of variations (if any).

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

11.3 Interim Payments

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

11.4 Retention

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

11.5 Final Payment

Within twenty one (21) days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Procuring Agency together with any documentation reasonably required to enable the Procuring Agency to ascertain the final contract value. Within sixty (60) days from the date of receipt of the verified final account from the Engineer, the Procuring Agency shall pay to the Contractor any amount due to the Contractor. While making such payment the Procuring Agency may, for Reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

11.6 Currency

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

12. DEFAULT

12.1 Defaults by Contractor

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

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

12.2 Defaults by Procuring Agency

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

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

12.3 Insolvency

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

12.4 Payment upon Termination

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

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Procuring Agency is entitled,
- c) if the Procuring Agency has terminated under Sub-Clause 12.1 or 12.3, the Procuring Agency shall be entitled to a sum equivalent to twenty percent (20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilization together with a sum equivalent to ten percent (10%) of the value of parts of the works not executed at the date of termination. The net balance due shall be paid or repaid within twenty eight (28) days of the notice of termination.

13. RISKS AND RESPONSIBILITIES

13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care of the Works from the Commencement Date until the date of the Procuring Agency's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Procuring Agency. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract. Unless the loss or damage happens as a result of any of the Procuring Agency's Risks, the Contractor shall indemnify the Procuring Agency, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 Force Majeure

If Force Majeure occurs, the Contractor shall notify the Engineer/Procuring Agency immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Procuring Agency demobilize the Contractor's Equipment. If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice. After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Procuring Agency is entitled. The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

14. INSURANCE

14.1 Arrangements

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

14.2 Default

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Procuring Agency may, without prejudice to any other right or remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

15. RESOLUTION OF DISPUTES

15.1 Engineer's Decision

If a dispute of any kind whatsoever arises between the Procuring Agency and the Contractor in connection with the works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Procuring Agency (Engineer) and the Contractor. Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the work with all due diligence, and the Contractor and the Procuring Agency (Engineer) shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 Notice of Dissatisfaction

If a Party is dissatisfied with the decision of the Engineer of consultant or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator. If a contractor is dissatisfied with the decision of the Engineer of the department or decision is not given in time then he can approach (Engineer) within 14 days, in case of dissatisfaction with decision of (Engineer) or not decided within 28 days, then arbitration process would be adopted as per clause 15.3.

15.3 Arbitration

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

Contractor

Executive Engineer
PHE Division Dadu

BILL OF QUANTITY
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) - **DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE SCHEDULE OF RATES.**

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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(1) - REHABILITATION OF WATER SUPPLY SCHEME SOJHRO MIRWANI
TALUKA MEHAR DISTRICT DADU

"A" TUBE WELL

1	Boring of Tube Well in all water bearing soil from 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
2	Providing strong substantially built wooden locked with compartment for preserving 2 lbs (1K.g) samples startes (P.H.S.I No 5 P/ 36)	1.00 Nos	@Rs 3530.00	Each	Rs 3530
3	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
4	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
5	Supplying & Instaling PVC strainer Pipe "B" class of approved designed quality i/c necessary socket etc Complete (P.H.S.I-9, P-42) 8" dia	55.00 Rft	@Rs 554.05	P-Rft	Rs 30473
6	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	45.00 Rft	@Rs 516.80	P-Rft	Rs 23256
7	M.S bail plugged of approved quality 5' long (P.H.S. (M) I No. 38 P/ 26) 8" dia	1.00 Rft	@Rs 2607.00	P-Rft	Rs 2607
8	Shrouding 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	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

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
"B"	PUMP HOUSE FOR TUBE WELL				
1	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 1 st 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
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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ¼" 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 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 door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq; bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	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 trusses 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	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	<u>PAINING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manhole cover with framme i/c cost of material etc: (P.H.S.(M)I-14, P-167) Size 2'x2'	1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel section 8"x4" Girders. (Sch: of Sant: I-141, P-80)	1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672
		200615	x	2 =	Rs: 200615 Rs: 401230

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
"C"	<u>PVC PIPE LINE</u>				
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)	33000.00 Cft	@Rs 3600.00	P%0Cft	Rs 118800
2	Providing uPVC pipes of class B (equivalent make) make fixing in trenches 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	3500.00 Rft.	@Rs 90.00	P-Rft	Rs 315000
3	Specials cost iron fitting for PVC pipe (P.H.S.(M).I-1 P-29). TEE WITH FLANGE 3" dia BEND WITH FLANGE 3" dia 4" dia END PLUGG 3" dia TAIL PIECE 4" dia 4" dia GIBault JOINT 3" dia 4" dia	5.00 Nos: 5.00 Nos: 2.00 Nos: 3.00 Nos: 22.00 Nos: 2.00 Nos: 22.00 Nos: 2.00 Nos:	@Rs: 1160.00 @Rs: 850.00 @Rs 1218.00 @Rs: 368.75 @Rs: 375.00 @Rs 487.50 @Rs: 568.75 @Rs 731.25	Each Each Each Each Each Each Each Each	Rs: 5800 Rs: 4250 Rs: 2436 Rs: 1106 Rs: 8250 Rs: 975 Rs: 12513 Rs: 1463
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 4" dia	1.00 Nos: 1.00 Nos:	@Rs: 4290.00 @Rs: 5460.00	Each Each	Rs: 4290 Rs: 5460
5	G.I Pipe of approved quality to be tested pressure head of 200 (Sch: of mat: W/S & Sant: I-1, P-133). 4" dia	40.00 Rft	@Rs: 669.17	P/Rft	Rs: 26767
6	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) 4" dia (110mm)	2000 Rft.	@Rs: 224	P/Rf	Rs: 448000

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
7	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX 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) 4" dia (110mm)	2.00 Nos:	@Rs: 1000.00	Each	Rs: 2000
9	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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C). 4" dia (110mm)	4.00 Nos:	@Rs: 1148.00	Each	Rs: 4592
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	22.00 Joints	@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 valve 3" to 12" 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 1/2" 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 filling 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 Layer i/c watering ramming to fu compaction etc complete (P.H.S- I-24 P-53) 29700.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 81972 Rs 1096296	

"D" CONSTRUCTION OF L.S.R

1	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) 192.15 Cft	@Rs 3176.25	P%0Cft	Rs 610
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). 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 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).	113.82 Cft	@Rs 11288.75	P%Cft	Rs 12849
4	Pacca brick work in foundation and plinth in cement sand mortar(1:6)(G.S.I No. 4 P/ 20)	183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956
5	Filling watering ramming earth under floor with surplus excavated earth from out side lead upto one chain and lift upto 5ft (G.S.I-21, P-4).	45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69
6	Cement plaster (1:4) up to 12'height 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 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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ¼" gauge. (G.S.I No. 6 P/ 16).	230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645
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)	11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569
9	Cement plaster (1:4) up to 12'height ¾"thick (G.S.I-11/ P/51)	251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576
10	Supply 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 approved quality to be tested pressure i/c fixing cutting and fitting. (Sant: Sch: I-1, P-12) ¾" dia(Medum) 3" dia	6.00 Rft. 25.00 Rft.	@Rs: 62.38 @Rs: 304.02	P/Rft. P/Rft.	Rs: 374 Rs: 7601
12	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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C). 3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
13	Supplying and fixing in position brass bib cock ¾" dia standared pattern (Sant: Sch: I-1-ii, P-16). ¾"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 pressure pipes of class B ACIL (PHS(M)I-VII, P-15).	1.00 Nos:	@Rs 375.00	Each.	Rs 375
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 Man hole cover & frame i/c cost of material etc: (PHS.I-1, P-35)	1.00 Cwt	@Rs: 6985.00	P/Cwt	Rs: 6985
18	C.I Sluice valve heavy patten 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

"E" REPAIR OF TRANSFORMER

4	Providing and laying (MAIN OR SUB MAIN) PVC insulated with size 4-7/0.044 (6mm ²) copper conductor in 1-1/2" dia PVC conduit on surface in the wall or column as required. (Elec: Sch: I-33,P-5)	20.00 Meter	@Rs: 566.00	P/Meter	Rs: 11320 Rs: 11320
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ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"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
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(2) - REHABILITATION OF WATER SUPPLY SCHEME SHAH GODERIO

TALUKA MEHAR DISTRICT DADU

"A" TUBE WELL

1	Boring of Tube Well in all water bearing soil from 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
2	Boring of Tube Well in all water bearing soil from ground level from 100 to 200 ft daphn i/c sinking and with drawing and casing pipes (P.H.I.S No 2 P/ 42) 12" Dia.	20.00 Rft	@Rs 849.00	P-Rft	Rs 16980
3	Providing strong substantly built wooden 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
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 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 quality 5' long (P.H.S. (M) I No. 38 P/ 26) 8" dia	1.00 No:	@Rs 2607.00	Each	Rs 2607
9	Shrouding 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	Rs 12600
10	Development charges of Tube well(PHE.I-8, P-43))	120.00 Rft	@Rs 200.00	P/Rft	Rs 24000 Rs: 199196

"B" PUMP HOUSE FOR TUBE WELL

1	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
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S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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 1 st 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
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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement 2 Cft, sand 4 cft shingle 1/8” to ¼” 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 topping 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
12	Cement, Pointing struck joint 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 door with 1/16” thick sheeting angle iron frame 2”x2”x 3/8” and ¾” sq: bars 4” Center to center with locking arrangement (G.S.I. No.24 P/91)				

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	Rs 276
16	Supplying and fixing in position iron steel grill of ¾" x ¼" 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	<u>PAINING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manhole cover with framme i/c cost of material etc: (P.H.S.(M)I-14, P-167) Size 2'x2'	1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel section 8"x4" Girders. (Sch: of Sant: I-141, P-80)	1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672 Rs: 200615
"C"	<u>INTER CONNECTION AND PUMPING MACHINERY</u>				
1	Supplying 3 core 16mm2 PVC cable . (Elec: Sch: of Mat: I-1, P-159)	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.	20.00 Rft.	@Rs: 178.00	P/Rft.	Rs: 3560
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

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 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	
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-H, P-20) 3" dia	8.00 Nos:	@Rs: 600.00	Each	Rs: 4800	
8	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	
			1 x	96312	=	Rs: 96312
			2 x	28123	=	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) 4" dia (110mm) 6" dia (160mm)	1000.00 Rft. 1000.00 Rft. 300.00 Rft.	@Rs 148.00 @Rs 224.00 @Rs 440.00	P-Rft P-Rft P-Rft	Rs 148000 Rs 224000 Rs 132000
3	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX P-18). (P.N . 08) 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 test pressure 21 Kg/sq: cm or 300 lbs/sq: inch. (P.H.S.(M).I-12, P-2).				
	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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).				
	3" dia (90mm)	2.00 Nos:	@Rs: 500.89	Each	Rs: 1002
	4" dia (110mm)	2.00 Nos:	@Rs: 596.75	Each	Rs: 1194
	6" dia (160mm)	2.00 Nos:	@Rs: 804.77	Each	Rs: 1610
6	Butt Fusion joint. (P.H.S.(M).I-H, P-20)				
	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 (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 1/2" 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 filling and disposal of surplus earth etc complete (P.H.S- I-1 P-40)				
		3.00 Nos:	@Rs: 18820.00	Each	Rs: 56460
9	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)				
		13500.00 Cft	@Rs: 2760.00	P%0Cft	Rs: <u>37260</u>

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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Rs 716925

"E" REPAIR OF L.S.R

1	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 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)	634.21 Sft	@Rs 2283.93	P%Sft	Rs 14485
6	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
7	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 weldingg 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
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 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:	@Rs 4290.00	Each.	Rs 4290
				Total.	Rs: 56802
		56802 x 2 =			Rs: 113604

"F" CHAMBER FOR TUBE WELL

1	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)	562.20 Cft	@Rs: 3176.25	P%0 Cft	Rs: 1786
2	Cement concrete brick or stone ballast 1 1/2" to 2" gauge. (Ratio 1:4:8) (G.S.I No. 4 P/ 14)	42.39 Cft	@Rs: 9416.28	P%Cft	Rs: 3992
3	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 1:1-1/2:3 (G.S.I No. 6 P/ 16).	178.37 Cft	@Rs: 349.00	P/Cft	Rs: 62251
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)	7.16 Cwt	@Rs: 5001.70	P/Cwt	Rs: 35812
5	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)	360.29 Cft	@Rs: 12595.00	P%Cft	Rs: 45379
6	Erection and removal of centering for R.C.C or plain C.C Work of Partal Wood 1 st class(vertical). (G.S.I.No. 19 P/ 17)	675.00 Sft	@Rs: 3127.41	P%Sft	Rs 21110
7	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)	4.62 Cwt	@Rs: 4928.49	P/Cwt	Rs: 22770
8	Erection and fitting in position of iron trusses staging of water tanks etc: (C.S.I.No. 3 P/ 91)	4.62 Cwt	@Rs: 271.04	P/Cwt	Rs 1252 Rs: 194351

ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"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 WELL	0	200615		Rs: 200615
"C"	INTER CONNECTION AND PUMPING MACHINERY	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 WELL	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)

- 1 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
- 3 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 p/precast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement 2 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 MACHINERY

- 1 Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polyethylene 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 pressure 21 kg /sq, cm or 300 lbs /sq inch (P.H.S (M) I No C P/ 11) 6" dia.	2.00 Nos:	@Rs: 4062.50	Each.	Rs: 8125
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). 6" dia	16.00 Nos:	@Rs: 1520.00	Each	Rs: 24320
6	Butt Fusion joint. (P.H.S.(M).I-H, P-20) 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
"C" 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) 4" dia (110mm) 6" dia (160mm)	650.00 Rft. 450.00 Rft. 950.00 Rft.	@Rs 148.00 @Rs 224.00 @Rs 440.00	P-Rft P-Rft P-Rft	Rs 96200 Rs 100800 Rs 418000
3	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX P-18). (P.N . 08) BEND 45 degree 3" dia (90mm) 4" dia (110mm) 6" dia (160mm) BEND 90 degree 3" dia (90mm)	1.00 Nos: 1.00 Nos: 1.00 Nos: 1.00 Nos:	@Rs: 894.00 @Rs 1324.00 @Rs 2784.00 @Rs: 1118.00	Each Each Each Each	Rs: 894 Rs: 1324 Rs: 2784 Rs: 1118

S.No:	Description of item to be 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
4	Providing laying RCC pipes of ASTM C-76-62 T/C 76-70 of class - II wall B and fixing in trenches i/c cutting fitting and jointing with rubber rings i/c testing with water to specified pressure. (P.H.S.I-1, P-17)				
	12" dia	48.00 Rft	@Rs: 412.00	P/Rft	Rs: 19776
5	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 (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
6	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
	4" dia	6.00 Joints	@Rs: 513.00	P-Joint	Rs: 3078
	6" dia	6.00 Joints	@Rs: 938.00	P-Joint	Rs: 5628
7	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice valve 3" to 12" 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 1/2" 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 earth etc complete (P.H.S- I-1 P-40)	4.00 Nos:	@Rs: 18820.00	Each	Rs: 75280
8	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)	12465.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 34403
9	F.C Comet joint B class. (P.H.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 joint B class. (P.H.S.(M).I- 7, P-4)				
	3" dia	20.00 Joints	@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

"D" REPAIR OF L.S.R

1	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).	64.81 Cft	@Rs 14429.25	P%Cft	Rs 9352
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 1/2"thick (G.S.I-11/ P/51)	433.25 Sft	@Rs 2283.93	P%Sft	Rs 9895
6	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
7	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				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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	of making holes facing weldingg 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
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 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
				Total.	Rs: 54025
		54025 x	2	=	Rs: 108049

"E" REPAIR OF TRANSFORMER

1	Providing and laying (MAIN OR SUB MAIN) PVC insulated with size 4-7/0.064 (6mm ²) 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
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ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<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
2	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/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
4	Supplying and fixing in position iron steel grill of ¾" x ¼" 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

9	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
10	Providing and laying (MAIN OR SUB MAIN) PVC insulated with size 4-7/.044 (6mm ²) 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
11	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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C). 3" dia	8.00 Nos:	@Rs: 945.00	Each	Rs: 7560
16	BUTTFUSION JOINT. (P.H.S.(M).I- H, P-20) 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 4" dia	400 Rft. 500 Rft.	@Rs 90 @Rs: 137	P-Rft P-Rft	Rs 36000 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 4" dia BEND WITH FLANGE 3" dia 4" dia End Plugg.	1 Nos: 1 Nos: 1 Nos: 1 Nos:	@Rs: 1160.00 @Rs: 1550.00 @Rs: 850.00 @Rs: 1218.00	Each Each Each Each	Rs: 1160 Rs: 1550 Rs: 850 Rs: 1218

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	3" dia TAIL PIECE	3 Nos:	@Rs: 368.75	Each	Rs: 1106
	3" dia	6 Nos:	@Rs: 375.00	Each	Rs: 2250
	4" dia Gibulat Joint	10 Nos:	@Rs: 487.50	Each	Rs: 4875
	3" dia	6 Nos:	@Rs: 568.75	Each	Rs: 3413
	4" dia	10 Nos:	@Rs: 731.25	Each	Rs: 7313
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	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" dia	20.00 Rft	@Rs: 304.02	P/Rft.	Rs: 6080
	4" dia	20.00 Rft	@Rs: 669.17	P/Rft.	Rs: 13383
6	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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).				
	3" dia	2 Nos:	@Rs: 945.00	Each	Rs: 1890
	4" dia	4 Nos:	@Rs: 1148.00	Each	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 1/2" 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 filling 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 trenches 6" thick Layer i/c watering ramming to fu compaction etc complete (P.H.S- I-24 P-53)				
		4860.00 Cft	@Rs: 2760.00	P%0Cft	Rs: 13414
					Rs 244073

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
"D"	REPAIR OF L.S.R				
1	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)	64.81 Cft	@Rs 14429.25	P%Cft	Rs 9352
	(1:2:4).	52.25 Cft	@Rs 11288.75	P%Cft	Rs 5898
	(1:4:8).				
3	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
4	Cement plaster (1:4) up to 12'height ½"thick (G.S.I-11/ P/51)	395.57	@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				
	¾" dia	6.00 Rft	@Rs: 62.38	P/Rft.	Rs: 374
	3" dia	25.00 Rft	@Rs: 304.02	P/Rft.	Rs: 7601
6	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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).				
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
7	Supplying and fixing in position brass bib cock ¾" dia standared pattern (Sant: Sch: I-1-ii, P-16).				
	¾"dia.	4.00 Nos:	@Rs 348.92	Each.	Rs 1396
8	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
9	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
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 Nos:	@Rs 4290.00	Each.	Rs 4290

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

ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<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" TUBE WELL

1	Boring of Tube Well in all water bearing soil from 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
2	Providing strong substantially built wooden locked with compartment for preserving 2 lbs (1K.g) samples starts (P.H.S.I No 5 P/ 43)	1.00 Nos	@Rs 3530.00	Each	Rs 3530
3	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
4	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
5	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	55.00 Rft	@Rs 554.05	P-Rft	Rs 30473
6	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	45.00 Rft	@Rs 516.80	P-Rft	Rs 23256
7	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	Rs 2607
8	Shrouding with Graded bajri (3/8" to 1/8") or 9 to 3mm				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	bitumen bore an plind pipe (P.H.S.I No 13 P/ 38) 8" dia	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
"B" PUMP HOUSE FOR TUBE WELL					
1	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 1 st 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
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 cement 2 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

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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
12	Cement, Pointing struck joint 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 door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and ¾" sq: bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	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	Rs 276
16	Supplying and fixing in position iron steel grill of ¾" x ¼" 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	<u>PAINTING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manhole cover with framme i/c cost of material etc: (P.H.S.(M)I-14, P-167) Size 2'x2'	1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel section 8"x4" Girders. (Sch: of Sant: I-141, P-80)				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
		1.03 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672 Rs: 200615

"C" PUMPING MACHINERY

1	Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polyethylene 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.	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	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
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) 3" dia.	8.00 Nos:	@Rs: 499.00	P/Joint.	Rs: 3992 Rs: 28123
		28123 x 2		=	Rs: 56246

"D" 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)	34800.00 Cft	@Rs 3600.00	P%0Cft	Rs 125280
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S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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	3600.00 Rft.	@Rs 90.00	P-Rft	Rs 324000
3	Special Cast iron fitting for P.V.C pipe (P.H.S.(M) I- 1 P- 29) TEE WITH FLANGE 3" dia	3.00 Nos:	@Rs 1160.00	Each	Rs 3480
	BEND WITH FLANGE 3" dia	5.00 Nos:	@Rs 850.00	Each	Rs 4250
	End Plugg. 3" dia	3.00 Nos:	@Rs: 368.75	Each	Rs: 1106
	TAIL PIECE 3" dia	12.00 Nos:	@Rs 375.00	Each	Rs 4500
	4" dia	2.00 Nos:	@Rs 487.00	Each	Rs 974
	Gibulat Joint 3" dia	12.00 Nos:	@Rs 568.75	Each	Rs 6825
	4" dia	2.00 Nos:	@Rs 731.25	Each	Rs 1463
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	1.00 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 clamps etc: i/c fixing cutting and fitting complete i/c the cost of breaking through walls and making good etc: painting 3 coats after cleaning the pipe with zink paint with pigment to match the pressure head of 200 ft and handling (Sant: Sch: I-1, P-12) 3" dia	20.00 Rft.	@Rs: 360.40	P/Rft.	Rs: 7208
	4" dia	40.00 Rft.	@Rs: 896.17	P/Rft.	Rs: 35847
6	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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C). 3" dia	2.00 Nos:	@Rs: 945.00	Each	Rs: 1890
	4" dia	2.00 Nos:	@Rs: 1148.00	Each	Rs: 2296
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	12.00 Joints	@Rs 499.00	P-Joint	Rs 5988
	4" dia	2.00 Joints	@Rs 513.00	P-Joint	Rs 1026
8	Providing laying jointing P.E Pipe Block P.E.80 fixing in trenches i/c cutting fitting jointing with butt fusion joint i/c testing with wawter to specified pressure. (Based on schedule rates) 3" dia (100mm) (O/D)	2200.00 Rft	@Rs 197.75	P/Rft	Rs 435050

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
9	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX P-18). (P.N . 08) 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-H, P-20) 4" dia (125mm)	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" to 12" dia wit 18" (457 mm) dia inside cast iron cover and frame (wt= 1 cwt qr) fixed in R.C.C 1:2:4 (102 mm) thick (with 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 1/2" 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 filling 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 trenches 6" thick Layer i/c watering ramming to full compaction etc complete (P.H.S- I-24 P-53)	31320.00 Cft	@Rs 2760.00	P%0Cft	Rs 86443 Rs 1110284

"E" LOW SERVICE RESERVIOR (L.S.R)

1	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)	192.15 Cft	@Rs 3176.25	P%0Cft	Rs 610
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).	85.87 Cft	@Rs 14429.25	P%Cft	Rs 12390
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).	113.82 Cft	@Rs 11288.75	P%Cft	Rs 12849
4	Pacca brick work in foundation and plinth in cement sand mortar(1:6)(G.S.I No. 4 P/ 20)	183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
5	Filling watering ramming earth under floor with surplus excavated earth from out side lead upto one chain and lift upto 5ft (G.S.I-21, P-4).	45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69
6	Cement plaster (1:4) up to 12'height 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 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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement 2 Cft, sand 4 cft shingle 1/8" to ¼" gauge. (G.S.I No. 6 P/ 16).	230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645
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)	11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569
9	Cement plaster (1:4) up to 12'height ¾"thick (G.S.I-11/ P/51)	251.20 Sft	@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 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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).	3" dia 5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
13	Supplying and fixing in position brass bib cock ¾" dia standared pattern (Sant: Sch: I-1-ii, P-16).	¾"dia. 4.00 Nos:	@Rs 348.92	Each.	Rs 1396
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 pressure pipes of class B ACIL (PHS(M)I-VII, P-15).	1.00 Nos:	@Rs 375.00	Each.	Rs 375

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 material etc: (PHS.I-1, P-35)	1.00 Cwt	6985.00	P/Cwt	Rs: 6985
18	C.I Sluice valve heavy patten 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 tight 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

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A"	TUBE WELL	0	165594	Rs: 165594
"B"	PUMP HOUSE FOR TUBE WELL	0	200615	Rs: 200615
"C"	PUMPING MACHINERY	0	56246	Rs: 56246
"D"	PVC PIPE LINE	0	1110284	Rs: 1110284
"E"	LOW SERVICE RESERVIOR (L.S.R)	0	937662	Rs: 937662
	TOTAL AMOUNT	0	2470401	Rs: 2470401

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

"A" - PUMPING MACHINERY

- 1 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 polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 BS 3580 & PSI 3051.

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	(P.H..Sch: I-1, P-25). (P.N.10) (160mm)				
	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 made out of M.S sheet i/c cutting drilling holes and welding with M.S pipe etc: complete. (Sant: Sch: I-1, P-5)				
	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 holes i/c turning and facing of flanges for all sizes. (P.H.S (M) I. No 5 P/ 12)				
		0.804 Cwt	@Rs: 6096	P/Cwt	Rs: 4901
4	C.I Tee with flanged end with holes i/c turning and facing of flanges for all sizes. (P.H.S (M) I. No 5 P/ 12)				
		0.196 Cwt	@Rs: 6096	P/Cwt	Rs: 1195
5	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	2.00 Nos:	@Rs: 4290	Each.	Rs: 8580
6	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.	2.00 Nos:	@Rs: 1543.75	Each.	Rs: 3088
7	C.I tapered flat bottomed or central tapered flanged end with holes i/c turning facing flanged for all sizes (P.H.S. (M) I. No 7 P/ 11)				
		0.89 Cwt.	@Rs: 6096	P/Cwt.	Rs: 5425
8	Foot valve heavy pattern with cone type gate imported (P.H.S (M) I No 4 P/ 11)				
	3" dia.	2.00 Nos:	@Rs: 731.25	Each.	Rs: 1463
9	Butt Fusion joint (P.H.S.(M).I-H, P-20)				
	6" dia.	11 Joints	@Rs: 1000	P/Joint	Rs: 11000
	3" dia.	8 Joints	@Rs: 600	P/Joint	Rs: 4800
10	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.	11.00 Nos:	@Rs: 938	P/Joint.	Rs: 10318
	3" dia.	6.00 Nos:	@Rs: 499	P/Joint.	Rs: 2994
					Rs: 98986
"B"	<u>REPAIR OF COMPOUND WALL</u>				
1	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)				
		200.00 Cft	@Rs: 12595.0	P%Cft	Rs: 25190
2	Erection and removal of centering for R.C.C or plain C.C Work of Partal Wood 1 st class(vertical). (G.S.I.No. 19 P/ 17)				
		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 building cement, sand, mortar (1:6) (G.S.I. No 5 P/ 22)	329.30 Cft	@Rs: 12346.65	P%Cft	Rs: 40658
4	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 cement 2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).	93.50 Cft	@Rs: 337	P/Cft	Rs: 31510
5	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) (Using Tor Bars).	2.140 Cwt	@Rs: 5001.7	P/Cwt	Rs: 10704
6	Cement, Plaster (1:4) up to 12' height 1/2" thick (G.S.I. No.13 P/51)	4457.3 Sft	@rs: 2283.93	P%Sft	Rs: 101806
7	Making and fixing steel grated door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq: bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	60.00 Sft	@Rs: 726.72	P/Sft	Rs: 43603
8	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)	120.00 Sft	@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.No:25, P/53).	4457.30 Sft	@Rs: 859.9	P%Sft	Rs: 38328 Rs: 343840
"C" -	<u>REPAIR OF CIVIL WORK</u>				
1	Removing of cement plaster (G.S.I 53 P-13)	1088.00 Sft	@Rs: 121	P%Sft	Rs: 1316
2	Dismantling 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 topping Cement Concrete (1:2:4) □ I/c surface, finishing and dividing in to panel (GSI No. 16 P/41)				
	3" thick	272.00 Sft	@Rs: 4411.82	P%Sft	Rs: 12000
	2" thick	272.00 Sft	@Rs: 3275.5	P%Sft	Rs: 8909

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
4	Making and fixing steel grated door with 1/16" thick sheeting □ angle iron frame 2"x2"x 3/8" and 3/4" sq; bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	49.00 Sft	@Rs: 726.72	P/Sft	Rs: 35609
5	Fabrication of heavy steel work with angles tees flats, iron, round and sheet iron for making trusses, girding tank etc. including cutting riveting handling erection in position (G.S.I -2 P/ 90).	4.071 Cwt	@Rs: 4928.49	P/Cwt	Rs: 20064
6	Erection and fitting in position of iron trusses staging of water tank etc (G.S.I-3 P/ 90)	4.070 Cwt	@Rs: 271.04	P/Cwt	Rs: 1103
7	Cement, Plaster (1:6) up to 20' height 1/2" thick (G.S.I. No.13 P/51)	5263.00 Sft	@Rs: 2206.6	P%Sft	Rs: 116133
8	Cement, Plaster (1:4) up to 20' height 3/8" thick (G.S.I. No.11 P/51)	5263.00 Sft	@Rs: 2197.52	P%Sft	Rs: 115655
9	White Wash 2 coats (G.S.I 26 P-53)	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	<u>PAINTING OLD SURFACE</u> Preparing surface and painting of door and window □ any type i/c Edges 3 coats (G.S.I. No.5 P/69)	206.00 Sft	@Rs: 2116.41	P%Sft	Rs: 4360
12	Dry brick on edges paving sand grouted i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster. (G.S.I-5, P-39).	1600.00 Sft	@Rs: 3823.57	P%Sft	Rs: 61177
13	Earth work excavation in ASHES, sand soft soil or silt clearance undressed lead upto 50'ft (G.S.I -02 P-01)	19621.50 Cft	@Rs: 1663.75	P%0Cft	Rs: 32645
14	Extra for slush or daldal i/c dewatering (G.S.I - No: 16 P- 04)	19621.00 Cft	@Rs: 2420.00	P%0Cft	Rs: 47486
15	Extra for every 50' additional lead or part there of (a) for earth work soft ordinary hard and very hard. (G.S.I.8, P-2).	19621.50 Cft	@Rs: 803.84	P%0Cft	Rs: 15773
				Total	Rs: 508927

"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

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

24875 Cft @Rs 3600.00 P%0Cft Rs 89550

- 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 | 1900 Rft. | @Rs 90 | 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.C pipe (P.H.S.(M) I- 1 P- 29)
PVC BEND
- | | | | | |
|--------|--------|--------------|------|----------|
| 3" dia | 1 Nos: | @Rs: 731.00 | Each | Rs: 731 |
| 4" dia | 1 Nos: | @Rs: 956.00 | Each | Rs: 956 |
| 6" dia | 1 Nos: | @Rs: 1913.00 | Each | Rs: 1913 |
- PVC SOCKET
- | | | | | |
|--------|--------|--------------|------|----------|
| 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 fitting i/c laying of the required diameter and testing the joints alongwith the fiber cement pressure pipes lines to the specified pressure and making good to all leaky joints etc: complete.
(P.H.S- I-1 P-80)
- | | | | | |
|--------|--------|------------|------|---------|
| 3" dia | 2 Nos: | @Rs: 59.00 | Each | Rs: 118 |
| 4" dia | 2 Nos: | @Rs: 70.00 | Each | Rs: 140 |
| 6" dia | 2 Nos: | @Rs: 96.00 | Each | Rs: 192 |

- 5 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)
- 22388.00 Cft @Rs: 2760.00 P%0Cft Rs: 61792
Rs 646902

"E" - LOW SERVICE RESERVIOR (L.S.R)

- 1 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)
- 192.15 Cft @Rs 3176.25 P%0Cft Rs 610
- 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). | 85.87 Cft | @Rs 14429.25 | P%Cft | Rs 12390 |
| (1:4:8). | 113.82 Cft | @Rs 11288.75 | P%Cft | Rs 12849 |
- 3 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 under floor with surplus excavated earth from out side lead upto one chain and lift upto 5ft (G.S.I-21, P-4).	45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69
5	Cement plaster (1:4) up to 12'height ½"thick (G.S.I-11/ P/51)	345.63	@Rs 2283.93	P%Sft	Rs 7894
6	R.C.C work i/c all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c screening and washing of shingle (a) R.C work in roof slab members laid in situ or precast laid in position complete in a respect. (i) Ratio 1;2;4 90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" gauge. (G.S.I-6 P/16)	230.40 Cft	@Rs 337.00	P/Cft	Rs 77645
7	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire also includes removal of rust from bars. (G.S.I-8 (ii) (a) P/16)	11.31 Cwt	@Rs 5001.70	P/Cwt.	Rs 56569
8	Cement plaster (1:4) up to 12'height ¾"thick (G.S.I-11/ P/51)	251.20 Sft	@Rs 3015.76	P%Sft	Rs 7576
9	Supply of Dampo (sch: of Mat: I- 46, P-4).	5.01 Kg	@Rs 125.00	P/Kg	Rs 626
10	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				
	¾" 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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).				
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
12	Supplying and fixing in position brass bib cock ¾" dia standared pattern				

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 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
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)	1.00 Cwt	@Rs: 6985.00	P/Cwt	Rs: 6985
17	C.I Sluice valve heavy patten 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.	Rs 4290
18	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 Nos:	@Rs 4870.00	Each.	Rs 4870
				Total.	Rs: 234415
		4	x 234415	=	Rs: 937661

"F" - REPAIR OF TRANSFORMER

1	Providing laying Main or Sub main wire 4.7-/0.064 (16mm)2 copper conductor 1-12/". (Sch: Item)	40.00 Meters:	@Rs: 1169.00	P/Meter	Rs: 46760
					Rs: 46760

ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A" - PUMPING MACHINERY	0	98986	Rs: 98986
"B" REPAIR OF COMPOUND WALL	0	343840	Rs: 343840
"C" - REPAIR OF CIVIL WORK	0	508927	Rs: 508927
"D" - PVC PIPE LINE	0	646902	Rs: 646902
"E" - LOW SERVICE RESERVIOR (L.S.R)	0	937661	Rs: 937661
"F" - REPAIR OF TRANSFORMER	0	46760	Rs: 46760
TOTAL AMOUNT	0	2583076	Rs: 2583076

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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(7) - REHABILITATION OF WATER SUPPLY SCHEME OASIM RODHRANI

TALUKA JOHI DISTRICT DADU

"A" TUBE WELL

1	Boring of Tube Well in all water bearing soil from 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
2	Boring of Tube Well in all water bearing soil from ground level from 100 to 200 ft daphth i/c sinking and with drawing and casing pipes (P.H.I.S No 2 P/ 42) 12" Dia.	100.00 Rft	@Rs 849.00	P-Rft	Rs 84900
3	Boring of Tube Well in all water bearing soil from ground level from 200 to 300 ft daphth i/c sinking and with drawing and casing pipes (P.H.I.S No 3 P/ 42) 12" Dia.	100.00 Rft	@Rs 989.00	P-Rft	Rs 98900
4	Boring of Tube Well in all water bearing soil from ground level from 300 to 400 ft depth i/c sinking and with drawing and casing pipes (P.H.I.S No 4 P/ 42) 12" Dia.	150.00 Rft	@Rs 1073.00	P-Rft	Rs 160950
5	Providing strong substantly built wooden 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
6	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
7	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
8	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	100.00 Rft	@Rs 554.05	P-Rft	Rs 55405
9	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	350.00 Rft	@Rs 516.80	P-Rft	Rs 180880
10	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	Rs 2607
11	Shrouding 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	450.00 Rft	@Rs 105.00	P-Rft	Rs 47250
12	Development charges of Tube well(P.H.S.I8, P-43)	450.00 Rft	@Rs 200.00	P/Rft	Rs 90000 Rs: 799650

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
"B"	<u>PUMP HOUSE FOR TUBE WELL</u>				
1	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 1 st 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
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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ¼" 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 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 door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq; bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	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 trusses 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	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	<u>PAINTING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manhole cover with framme i/c cost of material etc: (P.H.S.(M)I-14, P-167) Size 2'x2'	1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel section 8"x4" Girders. (Sch: of Sant: I-141, P-80)	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
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"C" PUMPING MACHINERY

1	Providing laying and fixing in trenches i/c fitting jointing and testing etc: complete in all respect the high density polyethylene 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	Providing and installing M.S flange made out of M.S sheet 3/8" thick i/c cutting drilling holes etc: complete. (Based on schedule item))	6.00 Nos:	@Rs: 500.89	Each	Rs: 3005
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 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)	0.26 Cwt.	@Rs: 6096.00	P/Cwt.	Rs: 1585
5	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
6	Butt Fusion joint. (P.H.S.(M).I-H, P-20) 3" dia	6.00 Nos:	@Rs: 600.00	Each	Rs: 3600
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) 3" dia.	5.00 Nos:	@Rs: 499.00	P/Joint.	Rs: 2495 Rs: 20079

"D" 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)	67800.00 Cft	@Rs 3600.00	P%0Cft	Rs 244080
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	1000.00 Rft.	@Rs 90.00	P-Rft	Rs 90000
3	Special Cast iron fitting for P.V.C pipe (P.H.S.(M) I- 1 P- 29) TEE WITH FLANGE 3" dia	1.00 Nos:	@Rs 1160.00	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 Hydrant 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				
	3" dia	10.00 Nos:	@Rs 375.00	Each	Rs 3750
	4" dia	4.00 Nos:	@Rs 487.00	Each	Rs 1948
	Gibulat Joint				
	3" dia	10.00 Nos:	@Rs 568.75	Each	Rs 5688
	4" dia	4.00 Nos:	@Rs 731.25	Each	Rs 2925
4	C.I Sluice valve heavy patten 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	Rs 4290
	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)				
		2.00 Nos:	@Rs 4000.00	Each	Rs 8000
6	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	10.00 Joints	@Rs 499.00	P-Joint	Rs 4990
	4" dia	4.00 Joints	@Rs 513.00	P-Joint	Rs 2052
7	Providing laying jointing P.E Pipe Block P.E.80 fixing in trenches i/c cutting fitting jointing with butt fusion joint i/c testing with wawter to specified pressure. (Based on schedule rates)				
	4" dia (125mm) (O/D)	10300.00 Rft	@Rs 245.87	P/Rft	Rs 2532461
8	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX P-18). (P.N . 08)				
	BEND 45 degree				
	4" dia (110mm)	4.00 Nos:	@Rs 1706.00	Each	Rs: 6824
9	Butt Fusion joint. (P.H.S.(M).I-H, P-20)				
	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" to 12" 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 1/2" 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 filling and disposal of surplus earth etc complete (P.H.S- I-1 P-40)				
		4.00 Nos:	@Rs 18820.00	Each	Rs 75280

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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11	Refilling the excavated stuff in trenches 6" thick Layer i/c watering ramming to full compaction etc complete (P.H.S- I-24 P-53)	61020.00 Cft	@Rs 2760.00	P%OCft	Rs 168415 Rs 3166835
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ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A"	TUBE WELL	0	799650	Rs: 799650
"B"	PUMP HOUSE FOR TUBE WELL	0	200615	Rs: 200615
"C"	PUMPING MACHINERY	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

1	Boring of Tube Well in all water bearing soil from 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
2	Boring of Tube Well in all water bearing soil from ground level from 100 to 200 ft depth i/c sinking and with drawing and casing pipes (P.H.I.S No 2 P/ 42) 12" Dia.	20.00 Rft	@Rs 849.00	P-Rft	Rs 16980
3	Providing strong substantially built wooden locked with compartment for preserving 2 lbs (1K.g) samples starters (P.H.S.I No 5 P/ 43)	1.00 Nos	@Rs 3530.00	Each	Rs 3530
4	Taking & Preserving in box 2 lbs (1 K.g) sample of strata from bore 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 & Installing PVC strainer Pipe "B" class of approved designed				

S.No:	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
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	50.00 Rft	@Rs 516.80	P-Rft	Rs 25840
8	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	Rs 2607
9	Shrouding 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	Rs 12600
10	Development charges of Tube well(P.H.S.I8, P-43)	120.00 Rft	@Rs 200.00	P/Rft	Rs 24000 Rs: 199569

"B" **PUMP HOUSE**

- 1 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: 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%0 Cft 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	Amount
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 cement 2 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 topping 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 1/2" 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
12	Cement, Pointing struck joint 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 door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq: bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	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 trusses 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	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	<u>PAINTING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	73.00 Sft	@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 (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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608
20	Providing and fixing C.I manhole cover with framme i/c cost of material etc: (P.H.S.(M)I-14, P-167) Size 2'x2'	1.00 Cwt.	@Rs: 4318.00	P/Cwt.	Rs: 4318
21	Supplying R.S.J channel section 8"x4" Girders. (Sch: of Sant: I-141, P-80)	1.027 Cwt.	@Rs: 3575.00	P/Cwt.	Rs: 3672 Rs: 200615

"C" PUMPING MACHINERY

1	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	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	Each	Rs: 7560

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
6	Butt Fusion joint. (P.H.S.(M).I-H, P-20) 3" dia	8.00 Nos:	@Rs: 600.00	Each	Rs: 4800
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) 3" dia.	8.00 Nos:	@Rs: 499.00	P/Joint.	Rs: 3992 Rs: 27982
"D" <u>PVC PIPE LINE</u>					
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)	39000.00 Cft	@Rs 3600.00	P%0Cft	Rs 140400
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	1000.00 Rft.	@Rs 90.00	P-Rft	Rs 90000
3	Special Cast iron fitting for P.V.C pipe (P.H.S.(M) I- 1 P- 29)				
	TEE WITH FLANGE 3" dia	1.00 Nos:	@Rs 1160.00	Each	Rs 1160
	BEND WITH FLANGE 3" dia	3.00 Nos:	@Rs 850.00	Each	Rs 2550
	End Plugg. 3" dia	2.00 Nos:	@Rs: 368.75	Each	Rs: 738
	TAIL PIECE 3" dia	10.00 Nos:	@Rs 375.00	Each	Rs 3750
	4" dia	2.00 Nos:	@Rs 487.00	Each	Rs 974
	Gibulat Joint 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 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	Rs 4290
	4" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs: 5460
5	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	10.00 Joints	@Rs 499.00	P-Joint	Rs 4990

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 Pipe Block P.E.80 fixing in trenches i/c cutting fitting jointing with butt fusion joint i/c testing with wawter to specified pressure. (Based on schedule rates) 4" dia (125mm) (O/D)	5500.00 Rft	@Rs 245.87	P/Rft	Rs 1352285
7	Specials for high density polythylene P.E pipes (HDPE-100) (P.H.S.(M).I-IX P-18). (P.N . 08) BEND 45 degree 4" dia (110mm)	4.00 Nos:	@Rs 1706.00	Each	Rs: 6824
8	Butt Fusion joint. (P.H.S.(M).I-H, P-20) 4" dia (110mm)	4.00 Nos:	@Rs: 600.00	Each	Rs: 2400
9	Providing chamber 21/2x21/2 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to 12" 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 1/2" 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 filling and disposal of surplus earth etc complete (P.H.S- I-1 P-40)	2.00 Nos:	@Rs 18820.00	Each	Rs 37640
10	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)	35100.00 Cft	@Rs 2760.00	P%0Cft	Rs 96876 Rs 1758513

"E" LOW SERVICE RESERVIOR (L.S.R)

1	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)	192.15 Cft	@Rs 3176.25	P%0Cft	Rs 610
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).	85.87 Cft	@Rs 14429.25	P%Cft	Rs 12390
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).	113.82 Cft	@Rs 11288.75	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 cement sand mortar(1:6)(G.S.I No. 4 P/ 20)	183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956
5	Filling watering ramming earth under floor with surplus excavated earth from out side lead upto one chain and lift upto 5ft (G.S.I-21, P-4).	45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69
6	Cement plaster (1:4) up to 12'height 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 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 pprcast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ¼" gauge. (G.S.I No. 6 P/ 16).	230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645
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)	11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569
9	Cement plaster (1:4) up to 12'height ¾"thick (G.S.I-11/ P/51)	251.20 Sft	@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 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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).	3" dia 5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
13	Supplying and fixing in position brass bib cock ¾" dia standared pattern (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 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

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
15	Cost iron specials for A.C pressure pipes of class B ACIL (PHS(M)I-VII, P-15).	1.00 Nos:	@Rs 375.00	Each.	Rs 375
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 material etc: (PHS.I-1, P-35)	1.00 Cwt	6985.00	P/Cwt	Rs: 6985
18	C.I Sluice valve heavy patten 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

ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A" TUBE WELL	0	199569	Rs: 199569
"B" PUMP HOUSE	0	200615	Rs: 200615
"C" PUMPING MACHINARY	0	27982	Rs: 27982
"D" PVC PIPE LINE	0	1758513	Rs: 1758513
"E" LOW SERVICE RESERVIOR (L.S.R)	0	468831	Rs: 468831
TOTAL AMOUNT	0	2655509	Rs: 2655509

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

"A" PUMP HOUSE

1	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 1 st 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
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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement 2 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 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 door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq; bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	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	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	<u>PAINTING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	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.No:25, P/53).	187.00 Sft	@Rs: 859.90	P%Sft	Rs: 1608 Rs: 192626

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

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
1	Providing internal electric wiring from main with 4-7/0.044 (6mm) ² PVC insulated wire 660 volts grade in 25mm PVC conduit on surface as required. (E.S.I-31, P-6)	25.00 Meter	@Rs: 566.00	P/Meter	Rs: 14150
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. 3" dia	56.00 Rft.	@Rs: 178.00	P/Rft.	Rs: 9968
3	Providing and installing M.S flange made out of M.S sheet 3/8" thick i/c cutting drilling holes etc: complete. (Based on schedule item))	16.00 Nos:	@Rs: 500.89	Each	Rs: 8014
4	C.I Tapperecd flat tee bottomed or central tapered flanged end with holes i/c turning facing flanged for all sizes. (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 pressure 21 kg /sq, cm or 300 lbs /sq inch (P.H.S (M) I No C P/ 11) 3" dia.	2.00 Nos:	@Rs: 1543.75	Each.	Rs: 3088
6	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)	0.65 Cwt.	@Rs: 6096.00	P/Cwt.	Rs: 3962
7	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	2.00 Nos:	@Rs: 4290.00	Each.	Rs: 8580
8	C.I Foot valve heavy pattern with cone type gate. (P.H.S (M) I No 4 P/ 10) 3" dia	2.00 Nos:	@Rs: 731.25	Each.	Rs: 1463
9	Butt Fusion joint. (P.H.S.(M).I-H, P-20) 3" dia	16.00 Nos:	@Rs: 600.00	Each	Rs: 9600
10	Providing laying G.I Pipe approved quality to be tested pressure match the pressure head of 200 ft and handling. (Sant: Sch: (M).I- 1, P-12). 3" dia.	16.00 Rft	@Rs: 304.02	P/Rft	Rs: 4864
11	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.	16.00 Nos:	@Rs: 499.00	P/Joint.	Rs: 7984

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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Rs: 77281

77281 x 2 = Rs: 154563

"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)	16100.00 Cft	@Rs 3600.00	P%0Cft	Rs 57960
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	1500.00 Rft.	@Rs 90.00	P-Rft	Rs 135000
	4" dia	600.00 Rft.	@Rs 137.00	P-Rft	Rs 82200
	4" dia	500.00 Rft.	@Rs 262.00	P-Rft	Rs 131000
3	Special Cast iron fitting for P.V.C pipe (P.H.S.(M) I- 1 P- 29)				
	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	Each	Rs 3050
	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 Hydrant Tee				
	6" dia	1.00 Nos:	@Rs 1375.00	Each	Rs 1375
	End Plugg.				
	3" dia	1.00 Nos:	@Rs: 368.75	Each	Rs: 369
	TAIL PIECE				
	3" dia	6.00 Nos:	@Rs 375.00	Each	Rs 2250
	4" dia	6.00 Nos:	@Rs 487.00	Each	Rs 2922
	6" dia	6.00 Nos:	@Rs 618.75	Each	Rs 3713
	Gibulat Joint				
	3" dia	6.00 Nos:	@Rs 568.75	Each	Rs 3413
	4" dia	6.00 Nos:	@Rs 731.25	Each	Rs 4388
	6" dia	6.00 Nos:	@Rs 1062.50	Each	Rs 6375
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	1.00 Nos:	@Rs 4290.00	Each	Rs 4290
	4" dia	1.00 Nos:	@Rs: 5460.00	Each	Rs: 5460
	6" dia	1.00 Nos:	@Rs 9360.00	Each	Rs 9360
5	Supplying Air valve double acting 3"x1" (S.M.- I - 8 P- 11)				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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1.00 Nos: @Rs 4000.00 Each Rs 4000

- 6 Providing Laying G.I Pipe and clamps etc: i/c fixing cutting and fitting complete i/c the cost of breaking through walls and making good etc: painting 3 coats after cleaning the pipe with zink paint with pigment to match the pressure head of 200 ft and handling (Sant: Sch: I-1, P-12) 6" dia 20.00 Rft. @Rs: 816.86 P/Rft. Rs: 16337
- 7 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C). 6" dia 2.00 Nos: @Rs: 1520.00 Each Rs: 3040
- 8 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
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 (750x750 mm) inside dimension 41/2' (1372 mm) deep as per approved design for sluice value 3" to 12" 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 1/2" 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 filling and disposal of surplus earth etc complete (P.H.S- I-1 P-40) 4.00 Nos: @Rs 18820.00 Each Rs 75280
- 10 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) 14490.00 Cft @Rs 2760.00 P%0Cft Rs 39992
Rs 611501

"D" LOW SERVICE RESERVIOR (L.S.R)

- 1 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) 192.15 Cft @Rs 3176.25 P%0Cft Rs 610
- 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). 85.87 Cft @Rs 14429.25 P%0Cft Rs 12390

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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).	113.82 Cft	@Rs 11288.75	P%Cft	Rs 12849
4	Pacca brick work in foundation and plinth in cement sand mortar(1:6)(G.S.I No. 4 P/ 20)	183.76 Cft	@Rs 11948.36	P%Cft	Rs 21956
5	Filling watering ramming earth under floor with surplus excavated earth from out side lead upto one chain and lift upto 5ft (G.S.I-21, P-4).	45.70 Cft	@Rs 1512.50	P%0Cft	Rs 69
6	Cement plaster (1:4) up to 12'height 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 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 pprecast laid in position complete in all respect. (I) Ratio 2:2:4 Lbs cement2 Cft, sand 4 cft shingle1/8" to ¼" gauge. (G.S.I No. 6 P/ 16).	230.40 Cft	@Rs 337.00	P/Cft	Rs: 77645
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)	11.31 Cwt	@Rs 5001.70	P/Cwt	Rs: 56569
9	Cement plaster (1:4) up to 12'height ¾"thick (G.S.I-11/ P/51)	251.20 Sft	@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 approved quality to be tested pressure i/c fixing cutting and fitting. (Sant: Sch: I-1, P-12)				
	¾" 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 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 weldingg nuts bolts rubber packing white lead fitter cartage etc: complete.(PHS.I-8, P-) (Part-C).				
	3" dia	5.00 Nos:	@Rs: 945.00	Each	Rs: 4725
13	Supplying and fixing in position brass bib cock ¾" dia standared pattern (Sant: Sch: I-1-ii, P-16).				
	¾"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 pressure pipes of class B ACIL (PHS(M)I-VII, P-15).	1.00 Nos:	@Rs 375.00	Each.	Rs 375
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 material etc: (PHS.I-1, P-35)	1.00 Cwt	6985.00	P/Cwt	Rs: 6985
18	C.I Sluice valve heavy patten 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

"E" REPAIR OF CIVIL WORK.

1	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 ASHES sand soft soil or silt clearance undressed lead upto 50' ft. (G.S.I-2,P-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
4	Pacca brick other than building i/c striking 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%0Cft	Rs 255309
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 exposed surface (i/c s/w of shingle) (a) R.C work in				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	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 cement 2 Cft, sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I No. 6 P/ 16).	272.67 Cft	@Rs 337.00	P/Cft	Rs: 91890
6	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)	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)	3736.96 Cft	@Rs 9416.28	P%Cft	Rs 351883
8	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)	275.00 Cft	@Rs 11288.75	P%Cft	Rs 31044
9	Brick lining (9"x4-1/2"x3" in cement sand mortar (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 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)	2823.25 Cft	@Rs 14429.25	P%Cft	Rs 407374
11	Providing and laying 3" thick to topping Cement Concrete (1:2:4) I/c surface, 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 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).	4042.16 Sft	@Rs: 859.90	P%Sft	Rs: 34759
16	<u>PAINTING NEW SURFACE</u> Preparing surface and painting of door and window any type i/c Edges 3 coats (G.S.I. No.5 P/69)	120.00 Sft	@Rs: 2116.41	P%Sft	Rs: 2540
17	<u>PAINTING OLD SURFACE</u> Preparing surface and painting of door and window 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/67)	104.00 Sft	@Rs: 1160.06	P%Sft	Rs: 1206
18	Making and fixing steel grated door with 1/16" thick sheeting angle iron frame 2"x2"x 3/8" and 3/4" sq: bars 4" Center to center with locking arrangement (G.S.I. No.24 P/91)	60.00 Sft	@Rs: 726.72	P/Sft	Rs: 43603
19	Dismantling cement concrete reinforcement separating from concrete and cleaning and straightening the same (G.S.I-20, P/10)	87.89 Cft	@Rs 5445.00	P%Cft	Rs 4786
20	Dismantling brick work in lime or cement mortar. (G.S.I-13, P/10)	133.20 Cft	@Rs 1285.63	P%Cft	Rs 1712
21	Dry brick on edges paving sand grouted i/c preparation of bed by watering ramming and bringing the same to proper camber by 1/2" thick mud plaster. (G.S.I-5, P/39)	1200.00 Sft	@Rs 3823.57	P%Sft	Rs 45883
22	Fabrication of heavy steel work with angles tees, flat iron round iron and sheet iron for making trusses 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)	1.00 Cwt	@Rs: 4928.49	P/Cwt	Rs: 4928
23	Erection and fitting in position of iron trusses staging of water tanks etc: (C.S.I.No. 3 P/ 91)	1.00 Cwt	@Rs: 271.04	P/Cwt	Rs 271
24	Excavation for pipe line trenches 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) 0' to 5' depth	400.00 Cft	@Rs 3600.00	P%0Cft	Rs 1440
25	Excavation for pipe line trenches and pits in wet 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) 5' to 8' depth	80.00 Cft	@Rs 5950.00	P%0Cft	Rs 476

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-76-62 T/C - 76-70 class II Wall B and fixing in trenches i/c cutting fitting and jointing with rubber rings i/c testing with water to specified pressure. P.H.S.I-1, P-17) 12" dia	16.00 Rft	@Rs 412.00	P/Rft	Rs 6592
27	Refilling the excavated stuff in trenches 6" thick Layer i/c watering ramming to full compaction etc complete (P.H.S- I-24 P-53)	432.00 Cft	@Rs 2760.00	P%0Cft	Rs 1192
28	Providing and laying (MAIN or SUB-MAIN) PVC insulated with size 4-7/0.044 (6mm ²) copper conductor in 1-1/2" dia PVC conduit on surface. (Elec: Sch:I-33,P-5)	100.00 Meter	@Rs 566.00	P/Meter	Rs 56600 Rs 1698657

ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A" PUMP HOUSE	0	192626	Rs: 192626
"B" PUMPING MACHINERY 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

GENERAL ABSTRACT

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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Non Sch: Items Sch: Items Total amount

(1) - REHABILITATION OF WATER SUPPLY SCHEME SOJHRO MIRWANI	0	2143271	Rs: 2143271
(2) - REHABILITATION OF WATER SUPPLY SCHEME SHAH GODERIO	0	1520448	Rs: 1520448
(3) - REHABILITATION OF WATER SUPPLY SCHEME MIAN NASEER MUHAMMAD KALHORO	0	1581641	Rs: 1581641
(4) - REHABILITATION OF WATER SUPPLY SCHEME RAMZAN BABAR	0	699779	Rs: 699779
(5) - REHABILITATION OF WATER SUPPLY SCHEME LAL BUX WADHA	0	2470401	Rs: 2470401
(6) - REHABILITATION OF WATER SUPPLY SCHEME ALI PUR	0	2583076	Rs: 2583076
(7) - REHABILITATION OF WATER SUPPLY SCHEME QASIM RODHRANI	0	4187179	Rs: 4187179
(8) - REHABILITATION OF WATER SUPPLY SCHEME DODO RODHRANI	0	2655509	Rs: 2655509
(9) - REHABILITATION OF WATER SUPPLY SCHEME KHAIR MUHAMMAD JAMALI	0	3126177	Rs: 3126177
G. TOTAL AMOUNT.	0	20967480	Rs: 20967480

Total Amount of Composite Schedule Rs: _____

_____ % above / below on the rates of CSR

Amount to be added / deducted on the basis of premium Rs: _____

Total Amount of Non Schedule items Rs: _____

TOTAL 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.
- 3 No premium should be allowed on approved / market rate.
- 4 Any error or omission in the rate description unit shall be referred to particular schedule of rates
- 5 No cartage shall be paid separately.

CONTRACTOR

EXECUTIVE ENGINEER
Public Health Engineering 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**

(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
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ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<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

1	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
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S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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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 providing 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
Rs: 560430

2 Flange Adopter. (Non Schedule Item)
3" dia

8.00 Nos: @Rs: 675.00 Each Rs: 5400
Rs: 5400

1 x 560430 = Rs: 560430
2 x 5400 = Rs: 10800
Rs: 571230

"D" P.E PIPE LINE

1 Flange Adopter. (Non Schedule Item)

3" dia (90mm) 2.00 Nos: @Rs: 675.00 Each Rs: 1350
4" dia (110mm) 2.00 Nos: @Rs: 1215.00 Each Rs: 2430
6" dia (160mm) 2.00 Nos: @Rs: 2025.00 Each Rs: 4050
Rs 7830

"G" 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

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"C" INTER CONNECTION AND PUMPING MACHINERY	571230	0	Rs: 571230
"D" P.E PIPE LINE	7830	0	Rs: 7830
"G" ANNUAL MAINTENANCE COST.	350000	0	Rs: 350000
TOTAL AMOUNT	929060	0	Rs: 929060

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

TALUKA K.N.SHAH DISTRICT DADU

"B" PUMPING MACHINERY

1 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 discharge top set 4" dia x 01 No: pump head 5" outlet with mechanical seal, bowl assembly suction pipe 1.6m 5"dia column pipe assembly 5"dia x 01 No: capable given discharge 180 GPM against the head of 250 ft and pump setting depth 10 ft i/c C.C foundation earthing attached set with 0.6mx0.6mx3.6mm (2"x2"x1/4") G.I plate buried in the ground at the depth of 3.7m or 12 ft as per PWD specification and providing fixing motor control unit consisting metallic box circuit breaker amper meter volt meter magnetic contractor on / off switch electronic over current relay and indications lamps i/c providing internal electric wiring for main or testing the pumping set against 72 hours etc: complete. (Non schedule items).	2.00 Set	@Rs: 1046000	P/Set.	Rs: 2092000
2	Flange Adopter. (Non Schedule Item) 6" dia	16.00 Nos:	@Rs: 2025.00	Each	Rs: 32400
3	Providing installing and testing heavy duty for low voltage stabilizer i/c carriage from karachi to Dadu and at site of work. (Non schedule item) 25 HP	1.00 Nos:	@Rs: 100000.00	Each	Rs: 100000 Rs: 2224400
<u>"E" REPAIR OF TRANSFORMER</u>					
1	Supply of Coil for transformer (50 KVA) (NonSch: Item)	3.00 Coils	@Rs: 15000.00	P/Coil	Rs: 45000
2	Supply of L.T coil for transformer (50 KVA) (NonSch: Item)	3.00 Coils	@Rs: 8000.00	P/Coil	Rs: 24000
3	Supply of transformer Oil (NonSch: Item)	120.00 Litters	@Rs: 180.00	P/Litter	Rs: 21600
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
<u>"F" ANNUAL MAINTENANCE COST.</u>					
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

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"B"	PUMPING MACHINERY	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

- 1 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 Mechanical seal for HMA pumps. (Market rate).
For Village Zangi Birohi
1.00 Nos: @Rs: 10000.00 Each. Rs: 10000
- 4 Supplying bore plate, brass 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
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(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).

1.00 Job @Rs: 5000 P/Job Rs: 5000
Rs: 661030

"E" 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

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"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 MACHINERY

- 1 Providing Installing in position i/c transportation 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:-
control 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

- 2 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	x	2	= Rs: 1248200

"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
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ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"C"	PUMPING MACHINERY	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 MACHINERY

1	Supplying installing in position i/c transportation at site of work Electric pumping set consisting A.C Electric Motor (KSB made) 15 BHP 2900 RPM (frame 160 M coupled with ETA NORMS Pump 65-200 size 3"x2-1/2" mounted on KSB steel frame 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 ballast with M.S nuts and bolts of 5/8" dia to be embedded 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 insulated 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 buried 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
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2	FLANGE ADOPTER. (NON SCH: ITEM)
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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 TRANSFORMER

1	Rewinding / Repair of transformer 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 Liters	@Rs: 180.00	P/Litter	Rs: 21600
3	Labour charges	1.00 Job	@Rs: 5000.00	P/Job	Rs: 5000
				Total.	Rs: 95600

"G" 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

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"A" - PUMPING MACHINERY	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 MACHINERY

1	Providing Installing in position i/c transportation 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:- control pannel having instruments main circuit breaker, phase failure, over load relay, Magenic contractor, dry running protector Amper / Volt meter LEDs Electric drop cable 20mm ² - 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
2	Flange Adopter. (Non Schedule Item)				

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
	3" dia	6.00 Nos:	@Rs: 675.00	Each	Rs: 4050
					Rs: 977350
"E"	<u>ANNUAL MAINTENANCE COST.</u>				
1	Annual Operation & Maintenance charges i/c establishment charges.	1.00 Year	@Rs: 350000.00	P/Year	Rs: 350000
					Rs: 350000

ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
"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

1	Providing Installing in position i/c transportation 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 20mm ² - 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 providing 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.
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S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
		1.00 Year	@Rs: 350000.00	P/Year	Rs: 350000 Rs: 350000

ABSTRACT

		<u>Non Sch: Items</u>	<u>Sch: Items</u>	<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.

- 1 Providing Installing in position i/c transportation 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 embedded in C.C foundation i/c providing fixing MCU (MECO made)
all accessories 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
- 2 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

S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
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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 litters) 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)
3" dia 16.00 Nos: @Rs: 675.00 Each Rs: 10800
Rs: 455700

455700 x 2 = Rs: 911400

"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

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

GENERAL ABSTRACT

	<u>Non Sch: Items</u>	<u>Sch: Items</u>	<u>Total amount</u>
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S.No:	Description of item to be executed at site	Quantity	Rate	Unit	Amount
(1) - REHABILITATION OF WATER SUPPLY SCHEME SOJHRO MIRWANI		414400	0		Rs: 414400
(2) - REHABILITATION OF WATER SUPPLY SCHEME SHAH GODERIO		929060	0		Rs: 929060
(3) - REHABILITATION OF WATER SUPPLY SCHEME MIAN NASEER MUHAMMAD KALHORO		2670000	0		Rs: 2670000
(4) - REHABILITATION OF WATER SUPPLY SCHEME RAMZAN BABAR		1011030	0		Rs: 1011030
(5) - REHABILITATION OF WATER SUPPLY SCHEME LAL BUX WADHA		1598200	0		Rs: 1598200
(6) - REHABILITATION OF WATER SUPPLY SCHEME ALI PUR		1136475	0		Rs: 1136475
(7) - REHABILITATION OF WATER SUPPLY SCHEME QASIM RODHRANI		1327350	0		Rs: 1327350
(8) - REHABILITATION OF WATER SUPPLY SCHEME DODO RODHRANI		915830	0		Rs: 915830
(9) - REHABILITATION OF WATER SUPPLY SCHEME KHAIR MUHAMMAD JAMALI		1261400	0		Rs: 1261400
	G. TOTAL AMOUNT.	11263745	0		Rs: 11263745

Total Amount of Composite Schedule Rs: _____
_____ % above / below on the rates of CSR
Amount to be added / deducted on the basis of premium Rs: _____

Total Amount of Non Schedule items Rs: _____

TOTAL 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.
- 3 No premium should be allowed on approved / market rate.
- 4 Any error or omission in the rate description unit shall be referred to particular schedule of rates
- 5 No cartage shall be paid seprately.

CONTRACTOR

EXECUTIVE ENGINEER
Public Health Engineering Division
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 Division
DADU

EXECUTIVE ENGINEER
Public Health Engineering Division
DADU