

CONTRACT NO.

GUJARAT WATERSUPPLY & SEWERAGE BOARD

GANDHINAGAR

(A WHOLLY OWNED GOVERNMENT OF GUJARAT UNDERTAKING)



Bid Documents for Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (3rd Attempt)

Estimated Cost :- Rs. 29,89,090.96

VOLUME- III

PRICE-BID

Executive Engineer
Public Health Works Division,
Gujarat Water Supply & Sewerage Board
Nakhatrana - Kachchh

Bid Documents for Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (3rd Attempt)**VOLUME - III**

Contents

| | |
|------------------------------------|----|
| CONTRACT NO. | 1 |
| PREAMBLE TO PRICE SCHEDULE | 3 |
| BID FORM | 5 |
| SCHEDULE-A..... | 7 |
| SCHEDULE B | 8 |
| SCHEDULE D | 12 |
| BREAK UP FOR INTERIM PAYMENTS..... | 13 |

PREAMBLE TO PRICE SCHEDULE

Name of Work :- Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (3rd Attempt)

The bidder shall quote his firm and fixed price for the entire work under this Contract, defined in more details in various sections of this bid document.

- (1) The rates and prices shall be submitted in the electronic formats given by n-procure which is called Schedule-B. Rates and prices received in any other formats will be rejected and the Bids will be disqualified.
- (2) It will be entirely at the discretion of the Employer to accept or reject the bidder's proposal, without giving any reasons whatsoever and the bidder shall not be permitted to withdraw his bid on this account.
- (3) Price **Schedule-A** gives the Schedule showing approximately the materials to be free supplied from the by client.
- (4) In **Schedule-B** the Bidder shall quote prices for the items on lump sum / unit rate as called for against the BOQ item.
- (5) In Price Schedule-B, bidder shall quote his price for entire work. Prices quoted in Schedule-B only will be considered for price evaluation & shall form a part of the Contract Agreement.
- (6) In the Price Schedule B, bidder shall furnish breakup of his prices quoted in Price Schedule-B and shall be carried forward to Schedule-B for comparison and evaluation.
- (7) Wherever for a particular item the quantities have been specified payment shall be on unit rate basis and unit variation in quantity will be paid with pro rata basis.
- (8) Each item is to be individually priced online and the amounts shall be added up to arrive at the "Total of each Price Schedule". No column in the Schedules of prices shall be left blank except where the item description requires the item to be priced on "as applicable" basis. The item shall not be priced if it is "not applicable" to the bidder's design, in which case the bidder shall add the words "NOT APPLICABLE". The wording in the item description is for subject matter guidance only; clause references are indicative only and all other relevant clauses shall also be referred to. The prices shall allow for all the works covered under the bid and all liabilities and contractual obligations whether separately specified or not. Items against which no prices are quoted shall not be separately paid for and the bidder shall be deemed to have covered the cost of execution of such items (according to the requirements of the bid document) in the prices quoted for other items.
- (9) Items not specifically listed in his Price Schedules, but required to be executed for satisfactory working/safety of the system as specified, will not be separately paid for by the Employer when executed and shall be deemed to be already covered by other items and rates listed in the price sheets No extra payment shall be given for any item which is required to complete and perform the project.
- (10) The total of the item prices in Price Schedule B and Schedule-C shall be equal to the price quoted by the bidder in Price Schedule B and shall be firm and fixed, during the pendency of the Contract. In case of any discrepancy noted in the various price schedules, those in Schedule B will be considered and binding on the Contractor. The prices in Price Schedule B and Schedule-C of the successful bidder shall be corrected accordingly. Only Price Schedule-B after carried over and arithmetic corrections if any will be considered for financial evaluation of the bid.
- (11) Schedule 'D gives the basis of interim payment for construction of works.
- (12) The bidder shall be deemed to have allowed in his price for provision, maintenance and final removal of all temporary works of whatsoever nature required for construction including temporary bunds, diverting water, pumping, de-watering etc. for the proper execution of works. The rates shall also be deemed to include any works and setting out that may be required to be carried out for laying out of all the works involved.
- (13) Prices shall be filled online only.
- (14) The Price Schedules are to be read in conjunction with the Conditions of Contract, the Specifications and other sections of these bid documents and these documents are to be taken as mutually explanatory of one another.

- (15) The bidder shall interpret the data furnished and carry out any additional survey work, or investigation work required at his own cost.
- (16) The prices quoted shall also include the cost of materials utilized for testing.
- (17) The bidder should acquaint himself with the site conditions including the access to Work site. The successful bidder shall have to make suitable access to work sites at his own cost. These accesses will be used by the other contractors working for GWSSB.
- (18) The item descriptions in price schedule are for subject matter guidance only and the prices shall include all the equipments / materials / accessories and services required as per the specifications. The bidder shall fill in the price schedule furnished.
- (19) 1% of the value of work will be deducted from the Running bill against labour cess which is non refundable.
- (20) Third Party Inspection / CSC agency will be deployed by GWSSB and charges of the same will be borne by GWSSB.
- (21) Any expenditure incurred by inspection/ CSC agency for the work misinformed by the contractor and charges of inspection/ CSC agency without any work due to misinformation shall be recovered from the contractor.
- (22) The Rates quoted shall be exclusive of GST, but inclusive of all other taxes and cess or levies or duties which shall not be paid extra. While GST will be paid for admissible part of actual work done at the approved tender rates and tender conditions of price variation. GST shall be paid as per prevailing rates at the time of payment. The TDS shall be deducted at source as per provision of IT rules and GWSSB Policy.
- (23) The rates should be quoted Exclusive of GST and all other taxes as per Volume-I (B), General Conditions of Contract, Clause No. 47.
- (24) The rates quoted shall be Exclusive of GST, which shall be paid extra. The TDS shall be deducted at source as per provision of IT rules and GWSSB policy.
- (25) The Bidders shall have to quote the rates in this tender keeping in view of the GST. The Complete responsibility of taxes, duties, levies rests with the Contractor/Agency only.
- (26) The process requires that the bidder shall quote his price for the work components contained in the price schedules for the entire work. Such prices shall remain firm and fix during the entire period of performance of the contract except price variation allowed for supply of MS/DI/PVC/GI pipe as per Volume-IB Clause No. 59, General Conditions of Contract.
- (27) Payment shall be made for the components for which lump sum prices are quoted, as per the schedule of payment. Total cost will be worked out on the basis of work done of individual items and rates quoted against those particular items only.
- (28) Royalties: The contractor shall be liable to pay the royalty of the quarried materials/ minerals used in the construction of works at the rates specified in the Narmada Water Resources, Water Supply & Kalpsar Dept. Resolution No. GEN-2010-595- (6)- M.I.Cell (K-1) Dt. 29-4-2011 (Gujarati Version Copy enclosed) and shall be recovered from the running bills of the work from time to time and remaining amount if any shall be recovered from the final bill before releasing the security deposit of the work. The contractor shall furnish the statement showing the quantity of quarried materials / minerals from whom purchased (with full address of the seller) and copies of the bills for purchase to the Executive Engineer of the in charge of the work. The contractor shall also furnish such additional information as regards royalty payment to the competent authority.
- (29) Agency shall have to take Insurance policy and intimate to GWSSB along with the evidence within time limit. In case of non compliance entire responsibility shall be rest with the agency and required amount shall be recovered from any due amount of the agency.
- (30) GWSSB can recover penalty amount from the agency for not taking the insurance. Though the penalty amount is recovered, responsibility of the agency for taking insurance shall be continued and will not be escaped from the responsibility.
- (31) The contractor shall apply fair means of stock maintenance and shall adopt accounting standard as may be prescribed under GST Act as applicable in the state of Gujarat. For arriving at the difference in procurement prices due to introduction of GST it will be open for the Board to ask for original invoices, lorry receipt, weigh bridge slips, payment details and such other documents as may be required for the purpose.
- (32) The claim of contractor regarding GST shall have to be backed by documentary evidence substantiating the actual payment of tax duly certified by the competent tax authority. The final decision regarding the quantum of claim amount to be recovered or reimbursed shall be of the competent authority of the GWSSB and shall be binding on the contractor.

Signature of contractor

Executive Engineer

BID FORM

Bidders are required to fill up all the blank spaces in this Bid Form.

TO:

THE EXECUTIVE ENGINEER,
PUBLIC HEALTH WORKS DIVISION,
.....

Dear Sir,

SUB: "Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (2nd Attempt)"

The bidder shall quote his firm and fixed price for the entire work under this Contract, defined in more details in various sections of this bid document.

1. Having visited the site and examined the Bid Documents, Drawings, Conditions of Contract, Specifications, Schedules, Annexure, Preamble to Price Schedules, Price Schedules etc. including Addenda/Amendments to the above, for the execution of the above Contract, we the undersigned offer to design, Engineer, procure, construct, complete, commission, operate and maintain the whole of the said works for 5 years from the date of commissioning including defects liability period as given in Conditions of Contract and in conformity with the drawings, conditions of Contract, specifications, Preamble to Price Schedules, Annexure, Bidding Documents, including Addenda Nos. _____ (insert numbers) for Lump sum fixed price of Rs. _____ .Rupees _____) for Construction including free trial run for three months or such other sum as may be ascertained in accordance with the conditions.
2. I/We agree that
 - a) if we fail to provide required facilities to the Employer's representative or any other person/Agency by the Employer to perform on his behalf for carrying out the inspection and testing of materials and workmanship.

Or
 - b) if we incorporate into the Works, materials before they are tested and approved by the Engineer's representative.

Or
 - c) if we fail to deliver pure water of required quantity according to the conditions/stipulations of the Contract, the Engineer will be at liberty to take any action including termination of Contract and impose at his absolute discretion any penalties, and/or reject the work.
3. We undertake, if our Bid is accepted, to complete and deliver the works in accordance with the Contract within _____ months, inclusive of monsoons, from the date or receipt of Letter of Acceptance issued to us by you.
4. We agree to abide by this Bid for a period of 180 days from the Last date of submission of the bill and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

5. In the event of our Bid being accepted, we agree to enter into a formal Contract Agreement with you incorporating the conditions of Contract there to annex but until such agreement is prepared this Bid together with your written acceptance thereof shall constitute a binding Contract between us.
6. We agree, if our Bid is accepted, to furnish performance /Security in the forms and of value specified in the Clause 1 of Volume-IB, "General Conditions of Contract".
7. We have independently considered the amounts of liquidated damages shown in Appendix to Bid and agree that they represent a fair estimate of the damages likely to be suffered by you in the event of the work not being completed by us in time.
8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 2021

(Signature)

(Name of the Person)

Company Seal _____
(Name of Firm)

Duly authorized to sign Bid for and on behalf of (fill in block capitals)

Witness Signature _____

Name _____

Address _____

NAME OF SCHEME -
“Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (3rd Attempt)”

The bidder shall quote his firm and fixed price for the entire work under this Contract, defined in more details in various sections of this bid document.

SCHEDULE-A

Schedule showing the approximately the materials to be supplied to the contractor from government stores for the work to be executed and the rate at which they are to be charged.

| SR.no | Particular | QTY | Rate at Which the material will be charged to the contractor | | Place of Delivery |
|-------|------------|-----|--|------|-------------------|
| | | | Rate | Unit | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Nill | | | | | |

Note:-

1. The contractor submitting the Tender shall see that the rate in Schedule-A are filled in by the Engineer in Charge at the time of issue tender.
2. The contractor while submitting the tender shall provide his own arrangement at his own cost for loading, unloading, and transporting safety to the site of work the cement stipulated in Schedule-A
3. Binding wire of 15 gauge of thinner gauge required for placing the reinforcement in position shall be provided at his own cost.
4. All the materials required for the items other than labour in Schedule-A but available with the dept. will be issued on request to the contractor. (for use in this contract only) at prevailing market rates or departmental issue rates whichever is higher.
5. All the surplus materials supplied by the deptt. As mentioned in schedule-A should be handed over to the Department by the contractor at the Govt. stores as directed.
6. The materials mentioned in schedule-A shall have to be checked for their correctness and soundness by the contractor before taking the delivery of the materials from the Government.
7. Necessary cement will be purchased by the agency at their own cost from open market.
8. The persons of firm submitting the Tender should see that rates in the above schedule are filled up by the Executive Engineer, on the issue of form prior to the submission of the Tender.
9. Carting of above materials should be done by contractor at his own cost.
10. Contractor should return the balance materials in good and acceptable condition, otherwise recovery at the double rates will be affected in view of Clause 12.4.

Date:

Signature of contractor

**Executive Engineer
P. H. Works Dn., G.W.S.S.B
Nakhatrana - Kachchh**

SCHEDULE B

| | | | | | | |
|--|---|------------|--------------------|--|------------|---------------|
| Name of Work :- Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line at Umarsar to Guneri Pipeline, Ta.- Lakhpat (Under M & R Programme 2024-25) (3rd Attempt) | | | | | | |
| Taluka. Lakhpat | | | | Dist. Kachchh | | |
| :::: SCHEDULE - B :::: | | | | | | |
| Schedule Showing the Approximate Itemwise Quantites of Work to be Carried out Under this Contract. | | | | | | |
| Cost Put to the Tender RS. 29,89,090.96 | | | | | | |
| Sr.No. | Description of Item | Qty | Tender Rate | Rate In Figure | Per | Amount |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| PART:- A Providing, Supplying, Lowering, Laying And Jointing of PVC Pipe Line | | | | | | |
| 1 | Item No. 1 | | | | | |
| | Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ringfit joint including cost of rings, as per IS specification no. 4985/1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete. | | | | | |
| | 140 mm pvc pipe 6kg/cm2 | 6300.00 | 326.00 | Rupees Three Hundred Twenty Six only | Rmt | 2053800.00 |
| | | | | | | |
| 2 | Item No. 2 | | | | | |
| | Providing and supplying C. I. Temper proof Air valves with SS 304 Float gun metal-nozzle of approved make & quality of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. | 12.00 | 5499.00 | Rupees Five Thousand Four Hundred Ninety Nine only | Nos. | 65988.00 |
| | 50 mm dia Temper proof Air valves | | | | | |
| | | | | | | |
| 3 | Item No. 3 | | | | | |
| | Erection of air valve riser by installing new MS pipe of 6 mm thick and 3.2 mt. Length with necessary fittings such as flange of appropriate size, nut bolts and embedded the pipe in RCC M:15 with offset of 10 cm around pipe with necessary steel etc complete | 12.00 | 3112.00 | Rupees Three Thousand One Hundred Twelve only | Nos. | 37344.00 |

| | | | | | | |
|----------|---|---------|---------|---|------|-----------------|
| | (A) Air Valve 50 mm dia Single Acting Type | | | | | |
| 4 | Item No. 4 | | | | | |
| | Excavation for pipe line trenches incl. all safety provisions using site rails and stacking excavated stuff up to a lead of 90 mts. cleaning the site etc. complete for lifts and strata as specified. | | | | | |
| | (a) In All Sorts of Soil and Soft Murram (30%) | 1134.00 | 89.00 | Rupees Eighty Nine only | Cum | 100926.00 |
| | (b) In Hard Murram (45%) | 1701.00 | 135.00 | Rupees One Hundred Thirty Five only | Cum | 229635.00 |
| | (c) In Soft Rock (25%) | 945.00 | 163.00 | Rupees One Hundred Sixty Three only | Cum | 154035.00 |
| | | | | | | |
| 5 | Item No. 5 | | | | | |
| | Lowering, laying and jointing PVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of labour, material, except cement solvent, giving satisfactory hydraulic testing as per ISI code. | | | | | |
| | 140 mm pvc pipe 6kg/cm2 | 6000.00 | 23.00 | Rupees Twenty Three only | Rmt | 138000.00 |
| | | | | | | |
| 6 | Item No. 6 | | | | | |
| | Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km. | 3687.68 | 22.00 | Rupees Twenty Two only | Cum | 4115.98 |
| | | | | | | |
| 7 | Item No. 7 | | | | | |
| | Providing and supplying ISI mark CI D/F Sluice Valves, Butterfly Valves & Reflux Valves of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. | | | | | |
| | (A) 150 mm dia Sluice valve | 3.00 | 5848.00 | Rupees Five Thousand Eight Hundred Forty Eight only | Nos. | 17544.00 |
| | (B) 100 mm dia Sluice valve | 3.00 | 3563.00 | Rupees Three Thousand Five Hundred Sixty Three Only | Nos. | 10689.00 |
| 8 | Item No. 8 | | | | | |

| | | | | | | |
|----------|--|-------|---------|---|------|----------------|
| | Lowering, laying and jointing in position following C. I. / D/F Reflux valves, Butterfly valves, Sluice valves and Air valves including cost of all labour, jointing material, including nut bolts and giving satisfactory hydraulic testing, etc. complete. | | | | | |
| | (A) 150 mm dia Sluice valve | 3.00 | 585.00 | Rupees Five Hundred Eighty Five only | Nos. | 1755.00 |
| | (B) 100 mm dia Sluice valve | 3.00 | 439.00 | Rupees Four Hundred Thirty Nine only | Nos. | 1317.00 |
| | (C) Without Isolating Sluice Valve PN 1.0 = 50 mm | 12.00 | 178.00 | Rupees One Hundred Seventy Eightn only | Nos. | 2136.00 |
| 9 | Item No. 9 | | | | | |
| | Miscellaneous PVC fittings | | | | | |
| | Providing and supplying at store or site of work incl. freight, loading, unloading, stacking insu. & all taxes etc. comp. | | | | | |
| | (A) PVC Coupler 10 kg/cm2 (Moulded) | | | | | |
| | 160 mm dia. | 5.00 | 629.00 | Rupees Six Hundred Twenty Nine only | Nos. | 3145.00 |
| | 140 mm dia. | 10.00 | 479.00 | Rupees Four Hundred Seventy Nine only | Nos. | 4790.00 |
| | 110 mm dia. | 5.00 | 235.00 | Rupees Two Hundred Thirty Five only | Nos. | 1175.00 |
| | (B) PVC Reducer (Moulded) | | | | | |
| | 160 x 110 mm dia. | 5.00 | 375.00 | Rupees Three Hundred Seventy Five only | Nos. | 1875.00 |
| | (C) PVC Bend 90 (Fabricated) 6.0 Kg | | | | | |
| | 160 mm Dia. | 5.0 | 1637.00 | Rupees One Thousand Six Hundred Thirty Seven only | Nos. | 8185.00 |
| | 140 mm Dia. | 10.00 | 1037.00 | One Thousand Thirty Seven | Nos. | 10370.00 |
| | 110 mm Dia. | 5.00 | 421.00 | Four Hundred Twenty One | Nos. | 2105.00 |
| | (D) PVC Tee (Moulded) | | | | | |
| | 160 x 160 mm | 5.0 | 952.00 | Rupees Nine Hundred Fifty Two only | Nos. | 4760.00 |
| | 160 x 110 mm | 10.00 | 857.00 | Rupees Eight Hundred Fifty Seven only | Nos. | 8570.00 |
| | 110 x 110 mm | 10.00 | 407.00 | Rupees Four Hundred | Nos. | 4070.00 |

| | | | | | | |
|-----------|---|-------|----------|---|------|---------------------|
| | | | | Seven only | | |
| | (E) PVC Tail Piece with PVC Flange (ISI) Heavy Duty (Moulded) | | | | | |
| | 160 mm dia. | 5.00 | 811.00 | Rupees Eight Hundred Eleven only | Nos. | 4055.00 |
| | 140 mm dia. | 10.00 | 604.00 | Rupees Six Hundred Four only | Nos. | 6040.00 |
| | 110 mm dia. | 5.00 | 320.00 | Rupees Three Hundred Twenty only | Nos. | 1600.00 |
| 10 | Item No. 10 | | | | | |
| | Construction of valves chambers in brick or bela stone masonry, locally available in C.M. 1:6. Foundation concrete 150 mm thick in C.C. 1:4:8 of trap metal size 25 mm to 40 mm thick, inside cement plaster in C.M. 1:3 and cement pointing outside in C.M. 1:3 and top cover of precast RCC slab 100 mm thick (with key hole in two parts, each with handles or MS Bar etc. complete as given size) Upto 1 Mt. depth from G.L. to pipe invert level incl. complete civil works but excl. cost of excavation and refilling. With cast in situ RCC slab in one single piece with fixing of CI-MH Frame and cover with 23 mm thick brick masonry wall in C.M. 1:6 With single piece 10 cm. | | | | | |
| | (a) Size of chamber 1.30 x 1.30 x 1.0 mt depth with Precast Slab in Two Parts 15 mm | 3 | 11351.00 | Rupees Eleven Thousand Three Hundred Fifty One only | Nos. | 34053.00 |
| | | | | Part :- A TOTAL Rs. | | 29,89,090.96 |
| | ABSTRACT | | | | | |

SCHEDULE D**PREAMBLE**

1. As mentioned in the Conditions of contract, the Contract being a lump sum type turnkey Contract on EPC basis, the provision of measurement will be applicable only for the assessment of value of work done for inclusion in any interim certificate for part payment to the Contractor.
2. The Schedule specifies the procedure for all such assessment of the items specified in Schedule B.
3. Each item of Schedule-B has been divided into broad components. The Employer's Representative shall assess the value of each component as indicated in paragraph 6 herein below.
4. Percentages are indicated against each component of each items specified in Schedule B, based on the Employer's best appreciation of the value of the component as related to the total costs of the concerned item as whole. A head titled (any other item(s)) is included in each breakdown of schedule and the tenderer shall at the time of tendering indicate any additional items which he considers necessary but cannot be covered by any of the heads indicated in the breakup.
5. The percentage breakup as indicated in the Schedule may differ from that corresponding to the tenderer's scheme and design and he should take this into account while quoting his lump sum prices for the items specified in Schedule-B.
6. The contractor shall, after approval of his detailed designs and drawings furnish to the Employer's Representative an initial bill of quantities to all major items, to be reviewed and updated periodically with the Employer's Representative. This bill of quantities will be used for assessment of percentage progress of the component at any stage. By measurement jointly taken by the Employer's Representative and the Contractor, mutually agreed and entered in the measurement books in the form and by the method approved by the Employer's Representative, and signed jointly by both the parties.
7. Before carrying out the work by the contractor in this tender, the actual survey-based pipeline hydraulics for the pipeline network has to be approved at the competent level, and the quantity of pipes has to be obtained accordingly. Payment will not be made for the quantity of additional pipes other than the approved quantity i.e., Excess pipes that do not have to be laid.

BREAK UP FOR INTERIM PAYMENTS

(CIVIL, MECHANICAL, INSTRUMENTATION & ELECTRICALWORKS)

| Item | Description of Items | Percentage Payment to be released |
|----------|---|-----------------------------------|
| 1 | PIPELINE | |
| a | On receipt of materials at project site | 65 % of Quoted rate |
| b | On Excavation, Lowering, laying and Jointing | 20 % of Quoted rate |
| c | On Hydraulic testing | 5 % of Quoted rate |
| d | On refilling and disposal of surplus stuff | 5 % of Quoted rate |
| e | After commissioning | 5 % of Quoted rate |
| | Total | 100% |
| 2 | VALVES | |
| g | On receipt of materials on site | 70 % of Quoted rate |
| h | On erection | 20 % of Quoted rate |
| i | On Hydraulic testing | 5 % of Quoted rate |
| j | After commissioning | 5 % of Quoted rate |
| | Total | 100% |
| 3 | PUMPING STATION / STAFF QUARTERS / MATERIAL SAFETY ROOM / PUMP ROOM | |
| a.— | On approval of Designs | 2.0 % of Quoted rate |
| b.— | On completion of Excavation & base slab | 18.0 % of Quoted rate |
| c.— | On completion of vertical wall up to plinth | 20.0 % of Quoted rate |
| d.— | Full supporting structure incl. ring beam and top slab | 15.0 % of Quoted rate |
| e.— | On completion of pump house incl. fixing doors Windows | 10.0 % of Quoted rate |
| f.— | Plastering inside & outside with epoxy paint etc (completed with all respects) | 10.0 % of Quoted rate |
| g.— | Painting of letters, MS ladder pipe, railing and all miscellaneous items such as snowcem paints in three coats etc. (completed with all respects) | 15 % of Quoted rate |
| h.— | After Completion | 10 % of Quoted rate |
| | Total | 100% |
| 4 | GROUND (UNDERGROUND) LEVEL SERVICE RESERVOIRS/SUMPS | |
| a.— | On approval of designs | 2 % of Quoted rate |
| b.— | On completion of excavation and base slab | 18 % of Quoted rate |
| c.— | On completion of vertical wall and braces | 20 % of Quoted rate |
| d.— | Full supporting structure including column, ring beam and completion of top slab / dome | 15 % of Quoted rate |
| e.— | Plastering inside & outside with epoxy etc. complete | 10 % of Quoted rate |
| f.— | Procurement and fixing of inlet, outlet, washout, overflow pipes, valves, specials, chambers, lighting arrester conductor and specials at site | 15 % of Quoted rate |
| g.— | Water level indicator, painting of letters, M.S ladder, pipes, railing and all miscellaneous items such as snowcem paint in three coats etc (Completed with all respect) including water tightness test | 10 % of Quoted rate |
| h.— | On hydraulic testing | 10 % of Quoted rate |
| | Total | 100% |
| 5 | Elevated Storage Reservoir | |
| a | On submission of Designs | 2.5% of Quoted rate |
| b | On approval of Designs | 2.5% of Quoted rate |
| c | On Completion of excavation | 7.5% of Quoted rate |
| d | On completion of staging height up to reservoir | 22.5% of Quoted rate |
| e | On Completion of Floor Reservoir | 22.5% of Quoted rate |
| f | On Completion of walls of Reservoir | 22.5% of Quoted rate |

| | | |
|-------|---|------------------------------|
| g | On Completion of Roof of reservoir with all related piping and Total | 20.0% of Quoted rate 100% |
| 6 | All Electro-mechanical works and Instrumentation | |
| a.— | On supply of material at work site in good condition | 65% of Quoted rate |
| b.— | On erection of Equipment | 25% of Quoted rate |
| c.— | On completion of Testing & Commissioning of Equipment | 5% of Quoted rate |
| d.— | Satisfactory running of system. | 5% of Quoted rate |
| | Total | 100% |
| 7 | WATER TREATMENT PLANT(CONVENTIONAL) | |
| (I) | Site survey and subsoil investigations | 1% of Quoted rate |
| | Completion of field surveys and subsoil investigations and de-mobilization from site of survey team | 25% |
| | Submission of surveys and soil investigation reports and acceptance by the Engineer | 75% |
| | TOTAL | 100% |
| (II) | Detailed designs and construction documents | 2% of Quoted rate |
| | Substantial completion, submission and approval by the Engineer of the designs, drawings and construction documents for all major items of work | 60% |
| | Submission and approval by the Engineer of the final designs and construction documents for all remaining and miscellaneous construction details and working drawings | 40% |
| | TOTAL | 100% |
| (III) | Inlet chamber | 4% of Quoted rate |
| | Excavation | 5.0% |
| | Works up to Ground Level | 10.0% |
| | RCC works up to top including all supply and fixing of related materials | 60% |
| | Finishing all surfaces including painting | 15.0% |
| | Hydraulic test | 5.0% |
| | Commissioning | 5.0% |
| | TOTAL | 100% |
| (IV) | Raw water channel from inlet chamber To flash mixer | 2% |
| 1 | Excavation for supporting structure | 5.0% |
| | Works up to G.L. | 15.0% |
| | All RCC works including all supply and fixing of related materials upto floor level | 30.0% |
| | Completion of all civil works including all supply and fixing of related materials | 35.0% |
| | Hydraulic test | 10.0% |
| | Commissioning | 5.0% |
| | TOTAL | 100% |
| V-) | Flash Mixer | 4 % Quoted rate |
| | Excavation | 5.0% |
| | Works up to Ground Level | 10.0% |
| | R.C.C. works up to top including all supply and fixing of related materials | 60.0% |
| | Finishing all surfaces including painting | 15.0% |
| | Hydraulic test | 5.0% |
| | Commissioning | 5.0% |
| | TOTAL | 100% |
| VI) | Clariflocculator Works | 2 0 % Quoted rate |
| | Excavation | 5% |
| | RCC wall upto flooring including all supply and fixing of related materials | 30% |

| | | |
|--------------|--|---|
| | RCC wall upto 1st lift (50% of the design height) | 5% |
| | RCC wall upto 2nd lift (100% of the design height) | 10% |
| | RCC wall upto top including all supply and fixing of related materials | 20% |
| | Remaining all works including all supply and fixing of related materials | 15% |
| | Hydraulic testing of water retaining structures | 5% |
| | Finishing of all surfaces and painting coating etc. | 5% |
| | Commissioning | 5% |
| | TOTAL | 100% |
| VII) | RCC Channel from Clariflocculator to Filter Bed | 5% Quoted rate |
| | RCC Works for floor slab including all supply and fixing of related materials | 40% |
| | Completion of all works and finishing all surfaces including painting, supply and fixing of related materials | 50.0% |
| | Hydraulic test | 5.0% |
| | Commissioning | 5.0% |
| | TOTAL | 100% |
| VIII) | Filtration Works | 40% Quoted rate |
| | Excavation | 5% |
| | RCC wall upto filter floor level including pure water channel floor slab | 10% |
| | Up to operating platform | 15% |
| | RCC wall upto top slab including all laboratory and other units | 30% |
| | Completion of all the remaining works including back wash tank and related arrangements; all supply and fixing of related materials | 30% |
| | Hydraulic testing/liquid retaining structures | 5% |
| | Commissioning | 5% |
| | TOTAL | 100% |
| IV) | Chemical Works | 15% Quoted rate |
| | Excavation | 5.0% |
| | RCC/Masonry work below plinth | 15% |
| | RCC work upto 1st floor | 30% |
| | RCC works upto roof slab | 20.0% |
| | Completion of the remaining works including painting, finishing; supply and fixing of related materials | 30% |
| | TOTAL | 100% |
| X | Miscellaneous Works THESE WORKS INCLUDES By pass CI pipeline from Inlet chamber to clear water sump. CI pipeline from flash mixer to clariflocculator. Pure water CI pipeline from filter beds to clear water sump. Bye pass CI pipeline from clariflocculator to clear water sump. CI wash water pipeline from proposed wash water tank to filter beds. Wash water CI pipeline from filtration bed to Natural drain. | 5% Quoted rate |
| XI | All other related and required works as directed Submission of As built drawings and training to staff | 2% of Quoted rate |
| 8 | Valve chambers | |
| A | On completion works as per approved drawings | 95% of Quoted rate |
| B | After commission of system | 5% of Quoted rate |
| | Total | 100% |
| 9 | Miscellaneous work | |
| A | All other items such as encasing, columns support for culvert, pipe bridges for Canal /Drainic/Khadi crossing, internal roads, | 80% of quoted rate on completion of works |

| | | |
|-----------|--|--------------------|
| | railway/highway crossing, Anchor/thrust blocks, steel bridge for pipe crossing, Construction of Compound Wall & Repairing and Renovation work etc. | |
| B | On commissioning of the system | 20% of quoted rate |
| | TOTAL | 100% |
| 10 | Operation and Maintenance | |
| A | Every month in equal instalment based on quoted prices of O & M will be paid | |

Note: Any Changes to be made in all above Payment Schedule can be decided by Chief Engineer, Zone-4, Kachchh and it shall be binding to the contractor.

I/We am/are willing to carry out at % Above/Below (percentage should be written in figures and words)

Estimated Amount Rs: 29,89,090.96

Estimated Amount Rs: 29,89,090.96

(%) Above:

(%) Below:

Tender Amount in Rs.....

Tender Amount in Rs.....

In Words:

In Words:

Contractor's Signature

Executive Engineer