

CONTRACT NO.

**(WATER AND SANITATION MANAGEMENT ORGANISATION)
GANDHINAGAR**

(A WHOLLY OWNED GOVERNMENT OF GUJARAT UNDERTAKING)



BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

Estimated Cost: Rs. 61,21,585.00

**VOLUME – III
PRICE BID**

Chief Engineer
WATER AND SANITATION MANAGEMENT ORGANISATION
GANDHINAGAR

BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

VOLUME - III

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PREAMBLE TO PRICE SCHEDULE

BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

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 (Schedule B1, Schedule B2..., Schedule C), 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 B1, Schedule B2,.... 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. The Bidder shall quote his prices for Operation & Maintenance in Schedule-C. Bidder shall give year wise break up of cost for 5 years O&M in Schedule-C/1 to Schedule-C/5 separately for Schedule-C. The total shall be in line to the price quoted in Schedule-C. The total shall be carried forward to Schedule-B for comparison and evaluation.~~
8. 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.
9. 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.
10. 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.

11. The total of the item prices in Price Schedule B-1 to Schedule B..... 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-1 to Schedule B..... 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.
12. Schedule 'C' gives the basis of interim payment for construction of civil works.
13. 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.
14. Prices shall be filled online only.
15. 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.
16. The bidder shall interpret the data furnished and carry out any additional survey work, or investigation work required at his own cost.
17. The prices quoted shall also include the cost of materials utilized for testing.
18. 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/WASMO.
19. 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.
20. ~~The amount to be quoted for O & M / year shall be as per Volume-IB, General Conditions of Contract, Clause No. 1, Security Deposit.~~
21. 1% of the value of work will be deducted from the Running bill against labor cess which is non refundable.
22. Third Party Inspection / CSC agency will be deployed by GWSSB/WASMO and charges of the same will be borne by GWSSB/WASMO.
23. 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.
24. The prices shall be quoted inclusive of all taxes, royalties and duties prevailing at the time of submission of the bids. Statutory variation if any during the currency of contract shall have to borne by the agency which shall be not reimbursed by the GWSSB/WASMO.
25. ~~The rates should be quoted inclusive of Sale Tax/ VAT and all other taxes except service tax as per Volume-II(A), General Conditions of Contract, Clause No. 47.~~
26. ~~The Ministry of Finance and Company Affairs, Department of Revenue, Government of India has issued a notification No. 6/2007 Central Excise Circular No. 6/2007, dated 1th March 2007 regarding the Central Excise Duty Exemption. By this notification, the notification 659/50/2002 dated 6th September, 2002 has been amended and the earlier notification 26/2009 dated 4th December, 2009 has been amended and the Items of materials, instruments, apparatus and appliance, ancillary equipments and their components/parts, etc.~~

~~for setting up of Water Treatment Plants and the Pipes needed for delivery of water from its source to the Plant and from there to the Storage facility (as mentioned in notification No.6/2007) are exempted from Central Excise Duty subject to the Certification by the Collector/ District Magistrate/ Deputy Commissioner of the District, regarding its use on such Projects. Necessary Project Authority Certificate shall be made available to the Contractor, as per the prevailing rules, to facilitate him to avail the benefit in terms of Exemption of Central Excise. (Circulars attached herewith)~~

- ~~27. The Bidders shall have to quote the rates in this tender keeping in view of the Probable rebate available to them as per the above Circulars of Government of India. The liability of the Department is limited to issuing the Project Authority Certificate to the Contractor and the Department does not take any responsibility whether the Agency gets the Excise Exemption or not. The Complete responsibility rests with the Contractor/Agency only.~~
28. 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/HDPE pipe as per Volume-II(A), General Conditions of Contract.
29. Payment shall be made for the components for which lump sump 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.
30. 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.
31. Agency shall have to take Insurance policy and intimate to GWSSB/WASMO 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.
32. GWSSB/WASMO 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.
- ~~33. 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.~~
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/WASMO and shall be binding on the contractor.

Signature of Contractor

Unit Manager
D.W.S.U. - Amreli

2. BID FORM (WITH PRICE)

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

To,

**THE UNIT MANAGER,
D.W.S.U. (WASMO)
AMRELI.**

Dear Sir,

SUB : BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

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, maintain and Run the whole of the said works for Months 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, 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 One 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 with in **6 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 bid 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 thereto annexed 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 _____ 20____

(Signature)

(Name of the person)

(In the capacity of)

Company Seal

(Name of firm)

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

Witness :

Signature

Name

NAME OF SCHEME:- BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

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
	75mm dia PVC Ring Fit Pipeline	8658 Mtr			Mota Zinzuda - Savarkundla
	90mm dia PVC Ring Fit Pipeline	5364 Mtr			
	110mm dia PVC Ring Fit Pipeline	1878 Mtr			
	140mm dia PVC Ring Fit Pipeline	132 Mtr			
	160mm dia PVC Ring Fit Pipeline	480 Mtr			
	200mm dia PVC Ring Fit Pipeline	150 Mtr			

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

**Unit Manager
D.W.S.U. – Amreli.**

SCHEDULE - B

AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME				
VILLAGE: MOTA ZINZUDA			TALUKA: SAVARKUNDLA	
Construction Scope :		BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN SUMP TO ESR HDPE PIPELINE, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.		
Sr. No.	Schedule	Name of Work	Amount of People Contribution	Amount Rs.
1	Schedule B- Part 1	TRANSPORTATION OF P.V.C. PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE, EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTIVITY, ENCASING, VALVE, VALVE FITTING AND VALVE CHAMBER OF DISTRIBUTION AND RISING MAIN PIPELINE BORE 1 TO SUMP 1 PIPELINE.	0.00	2308257.51
2	Schedule B- Part 2	PROVIDING AND SUPPLYING H.D.P.E. PIPELINE, SPECIALS FOR FITTING, EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING OF RISING MAIN PIPELINE SUMP TO ESR.	0.00	37691.35
3	Schedule B- Part 3	CONSTRUCTION OF R.C.C. ESR 2,50,000 LIT. CAPACITY WITH 18.0 MT HEIGHT.	0.00	3235417.00
4	Schedule B- Part 4	HOUSE HOLD CONNECTION 15MM DIA. ALL MATERIAL AND LABOUR WORK. - 1100 Nos.	680482.88	534662.89
5	Schedule B- Part 5	TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING	0.00	5556.25
		Total :	680482.88	6121585.00
		Amount Put to Tender		6121585.00

નોંધ (શ્રમદાન): શેડ્યુલ બી- 4 પૈકી 1100 ઘર કનેક્શન માંથી 616 કનેક્શન શ્રમદાન માં સામેલ કરવાનું છે જેનું ચૂકવનું ઠેકેદાર શ્રી દ્વારા ગામ ના લોકો પાસે થી શ્રમદાન દ્વારા કરવાનું રહેશે તેમજ ઉપરોક્ત આઈટમ નું ચૂકવણી જવાબદારીવાસ્તો કચેરી ની રહેશે નહિ. (શ્રમદાન ની રકમ :6,80,482.88)

THIS ITEMS SHALL BE EXECUTED BY AGENCY FROM THE VILLAGERS AS "SHRAMDAN"

I /We am/are willing to carry out the work at.....above /below (Should be written in figures and words) the estimated cost mentioned above. Amount of my / our tendered work is as under.
ESTIMATED AMOUNT PUT TO TENDER.

RS.....

Deduct Rs. _____ % below.

Net _____ Rs. _____ In
words _____

Signature and Stamp
President
VWSC MOTA ZINZUDA
Tal. SAVARKUNDLA Dist.: Amreli

Signature and Stamp
Agency of Work

Name of Work:

BID DOCUMENT FOR CONSTRUCTION OF VARIOUS COMPONENTS INCLUDING TRANSPORTATION OF P.V.C PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING, VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE, RISING MAIN HDPE PIPELINE SUMP TO ESR, R.C.C. E.S.R. 2,50,000 LITER CAPACITY AND 18.0 MT HEIGHT, HOUSE HOLD CONNECTION, TRANSPARENCY, WATER QUALITY BOARD AND SLOGAN PAINTING WORKS. AT. MOTA ZINZUDA VILLAGE WATER SUPPLY SCHEME. TALUKA: SAVARKUNDLA, DISTRICT: AMRELI. UNDER AUGMENTATION TAP CONNECTIVITY IN RURAL AREA GENERAL PROGRAMME.

SCHEDULE – B (Part I)

Memorandum showing Item of work to be carried out for TRANSPORTATION OF PVC PIPELINE, SPECIALS FOR FITTING, SERVICE SADDLE EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, JOB CONNECTION, ENCASING, VALVE, VALVE FITTING AND VALVE CHAMBER OF DISTRIBUTION AND BORE TO SUMP PIPELINE AT. VILLAGE: MOTA ZINZUDA

VILLAGE: MOTA ZINZUDA TALUKA: SAVARKUNDLA DISTRICT: AMRELI

NAME OF WORK: LOWERING, LAYING AND JOINTING INTERNAL DISTRIBUTION AND BORE TO SUMP PIPELINE.					
Qty	Unit	Description	Rate	Per	Amount
1	2	3	4	5	6
		Item No.1			
		PVC Fittings: Providing and Supplying at Store or Site of Work Including freight, loading, unloading, stacking, and insurance and all taxes etc. complete.			
		P.V.C. Couplers 10 KG/Cm2			
69	Nos	75 mm	90.00	Nos	6210
70	Nos	90 mm	133.00	Nos	9310
50	Nos	110 mm	235.00	Nos	11750
5	Nos	140 mm	479.00	Nos	2395
5	Nos	160 mm	629.00	Nos	3145
2	Nos	200 mm	1145.00	Nos	2290
		P.V.C. Tee Heavy duty (moulded)			0
40	Nos	75 X 75 mm	199.00	Nos	7960
40	Nos	90 X 75 mm	297.00	Nos	11880
40	Nos	90 X 90 mm	324.00	Nos	12960
20	Nos	110 X 75 mm	338.00	Nos	6760
10	Nos	110 X 90 mm	470.00	Nos	4700

10	Nos	110 X 110 mm	407.00	Nos	4070
10	Nos	140 X 140 mm	679.00	Nos	6790
		P.V.C. Elbow			0
50	Nos	75 mm	129.00	Nos	6450
55	Nos	90 mm	216.00	Nos	11880
30	Nos	110 mm	358.00	Nos	10740
5	Nos	140 mm	539.00	Nos	2695
9	Nos	160 mm	687.00	Nos	6183
4	Nos	200 mm	1568.00	Nos	6272
		P.V.C. Reducer			0
1	Nos	200 X 160mm	901.00	Nos	901
2	Nos	160 X 140 mm	511.00	Nos	1022
5	Nos	140 X 110 mm	252.00	Nos	1260
5	Nos	140 X 90 mm	226.00	Nos	1130
15	Nos	110 X 90 mm	188.00	Nos	2820
15	Nos	110 X 75 mm	182.00	Nos	2730
30	Nos	90 X 75 mm	110.00	Nos	3300
0	Nos	90 X 63 mm	104.00	Nos	0
11	Nos	75 X 63 mm	83.00	Nos	913
					0
		P.V.C. Bend Heavy Duty (moulded)			
20	Nos	75 mm	174.00	Nos	3480
20	Nos	90 mm	318.00	Nos	6360
10	Nos	110 mm	519.00	Nos	5190
5	Nos	140 mm	809.00	Nos	4045
8	Nos	160 mm	972.00	Nos	7776
		P.V.C. Tail piece with P.V.C. flange (Heavy Duty) Moulded			
10	Nos	75 mm	187.00	Nos	1870
10	Nos	90 mm	236.00	Nos	2360
40	Nos	110 mm	320.00	Nos	12800
		Item No.2			
		Providing and supplying ISI mark CI D/F Sluice Valves as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete.			
		Sluice Valves with ISI mark only PN-1			
20	No	100 mm dia	3563.00	No	71260.00
2	No	200 mm dia	9813.00	No	19626.00
		Item No.3			
		Providing and supplying C.I. Air valves 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.			
		Air Valves Double Acting (DS2)			
2	No	40 mm dia	2013.00	No	4026.00

		Item No.4			
		Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified.			
		Up to 1.50 mt. depth			
5972.40	Cum	A) In all sorts of soil and soft murrum	89.00	Cum	531543.60
2488.50	Cum	B) In hard murrum	135.00	Cum	335947.50
497.70	Cum	C) In soft rock	163.00	Cum	81125.10
995.40	Cum	D) In hard rock or C.C. 1:2:4 or RCC with blasting and chiseling	372.00	Cum	370288.80
		Item No.5			
		Lowering, laying, fixing and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of labour, material, cement solvent, giving satisfactory hydraulic testing as per ISI code.			
8658	Rmt	75 mm dia PVC 6 Kg/cm2	15.00	Rmt	129870.00
5364	Rmt	90 mm dia PVC 6 Kg/cm2	17.00	Rmt	91188.00
1806	Rmt	110 mm dia PVC 6 Kg/cm2	19.00	Rmt	34314.00
132	Rmt	140 mm dia PVC 6 Kg/cm2	23.00	Rmt	3036.00
480	Rmt	160 mm dia PVC 6 Kg/cm2	28.00	Rmt	13440.00
150	Rmt	200 mm dia PVC 6 Kg/cm2	37.00	Rmt	5550.00
		Item No.6			
		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. compete.			
		Sluice valves, Butterfly valves, Reflux valves			
20	No	100 mm dia	439.00	No	8780.00
2	No	200 mm dia	742.00	No	1484.00
		Item No.7			
		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. compete.			
		Air Valves Double Ball Flanged			
2	No	40 mm dia.	251.00	No	502.00

		Item No.8			
		Construction of valves chambers in brick, 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) up to 1 Mt. depth from G.L. to pipe invert level including. complete civil works but excluding cost of excavation and refilling with 23 mm thick brick masonry wall in C.M. 1:6. (2)-do-with single piece 10 cm with fixing M.H. Cover			
24	No	Size 0.60 m X 0.60 m X 1.0 m deep	5138.00	No	123312.00
		Item No.9			
		Providing C.C. M-100 for encasing pipes using trap metal size 12 mm to 50 mm including form work curing consolidation etc. complete for various location on pipeline. (Using trap metal 20 mm nominal size)			
13.99	Cum	C.C. M-100 for Encasing	4113.80	Cum	57561.68
		Item No.10			
9834.13	Cum	Refilling the pipeline trenches including ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	22.00	Cum	216350.84
		Item No.11			
		Transporting of Pipe with Manual Loading and Unloading is as per Annexure (A) & Transportation of Pipe with Loading & Unloading with a Crane is as per Annexure (B)			
5.00	Trip	For Shifting of P.V.C. Pipeline 75mm to 200mm from Hathasani Head Works to Mota Zinzuda Village, Taluka: Savarkundla.	3331.00	0	16655.00
			Rs.		2308257.51

SCHEDULE – B (Part-II)

Memorandum showing item of work to be carried out for PROVIDING AND SUPPLYING H.D.P.E. PIPELINE, SPECIALS FOR FITTING, EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING, OF RISING MAIN PIPELINE SUMP TO ESR. AT. VILLAGE: MOTA ZINZUDA

NAME OF WORK: LOWERING, LAYING AND JOINTING RISING MAIN SUMP TO ESR (HDPE)

Qty	Unit	Description	Rate	Per	Amount
1	2	3	4	5	6
		Item No.1			
		Providing and supplying in standard length ISI mark high density Polyethylene H.D.P.E. Pipes suitable for potable water as per IS specification no. 4984/1995 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the dept. stores etc. comp.			
		Rate for HDPE (PE-100) Pipe based on the rate of HDPE Resin as Rs. 121185/MT (Price Without GST)			
72	Rmt	110 mm dia HDPE 10.0 kg/cm ²	386.00	Rmt	27792.00
		Item No.2			
		Excavation for pipeline trenches including all safety, provision using site rails and stacking excavated stuff up to a lead of 90 mt. clearing the site etc. complete for lifts and strata as specified.			
25.92	Cum	A) In all sorts of soil and soft murrum	89.00	Cum	2306.88
10.80	Cum	B) In hard murrum	135.00	Cum	1458.00
2.16	Cum	C) In soft rock	163.00	Cum	352.08
4.32	Cum	D) In hard rock or C.C. 1:2:4 or RCC with blasting and chiseling	372.00	Cum	1607.04
		Item No.3			
		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.			
72	Rmt	110 mm dia HDPE 10.0 kg/cm ²	45.00	Rmt	3240.00

		Item No.4			
		Refilling the pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.			
42.52	Cum	GWSSB/WASMO SOR-22/23, Pg. No. 40, Section 1&2-B, Item No. 14.1	22.00	Cum	935.35
			Total Rs.		37691.35

SCHEDULE – B (Part-III)

Memorandum showing item of work to be carried out for R.C.C. E.S.R. 2.50 Lac Lit. Cap. And 18.0 Height with S.B.C. 10.0 T/M² At. Village: MOTA ZINZUDA.

QTY	UNIT	DISCRIPTION OF ITEM	RATE	PER	AMOUNT
1	2	3	4	5	6
		Item No. 1.			
		Constructing RCC Elevated service Reservoir of the following capacity and height using using latest S.B.C. of proposed site, Seismic zone, Wind speed Zone. Including (1) Container shapes any suitable type (or as specified). (2) Staging consisting of column brace trestle / shaft / combination column - brace trestle and shaft as appropriate (or as specified) and (3) Appropriate foundation system. This includes excavation in all types of soil strata (including hard rock), casting 100 mm thick P.C.C. leveling course in M-10. Refilling the pit with proper soil and disposing of the surplus stuff at all required lead. (4) This will also include cement plaster in CM 1:2 with approved water proofing compound to inside container. (i.e. walls, base, top slab/dome bottom etc. all) (5) All types of labour & material charges of lowering, laying, erecting / hosting & joining of pipe assembly of Inlet, Outlet, Overflow, Washout and bye pass arrangement as per hydraulic design are including. (6) Providing and fixing of any accessories (Specified) CI Manhole frame and covers, water level indicator, lightening conductor, GI Pipe railing around walk way, at roof level, at gallery and around landing of inside shaft, Adequate cowl type ventilators or lantern type ventilator with stainless steel jali.			

		(7) Scope of work includes construction RCC spiral staircase with adequate tie beams, staircase footing, R.C.C. chambers for valves, ventilating shaft and ventilators as well as door in shaft. (8) Including providing and applying three coats of cement paint / snowcem (as specified) to the whole structure. (9) It also includes satisfactory water tightness test as per relevant I.S. Code and painting name of scheme & capacity on the tank as per direction of engineer in charge.			
		List of Indian Standards for design of ESR			
		Note: The structural design of ESR shall be in accordance with provisions of relevant Indian Standards			
		1) I.S. 3370 part I & II 2009 or Its latest revision. 1.1) I.S. 3370 part III & IV 1965 or Its latest revision 2) I.S. 456-2000 or Its latest revision 3) I.S. 11682- 1985 or Its latest revision 4) I.S. 1893-2002 part I to V or Its latest revision 5) I.S. 13920 – 1993, or Its latest revision 6) I.S. 875 part I to III, 1987 or Its latest revision 7) I.S. 11089 – 1987 or Its latest revision			
		GENERAL SPECIFICATIONS:			
	1)	The Min. concrete grade for RCC shall be M-30. Proportion of concrete ingredients shall be as per Mix design using weigh batching.			
	2)	HYSD (Fe 415) or higher grade reinforcing bars confirming to IS 1786/1139 or CRS/TMT bars shall be used as per detailed specification.			
	3)	In case of column brace trestle type staging having more than 6 columns internal horizontal bracing is obligatory. One bracing shall be at foundation level in case of individual footings.			
	4)	Min. size/thickness of various components shall be provided as per design criteria/specifications/IS Code (or as per std. practice) Capacity of the ESR shall be considered excluding free board.			
	5)	Minimum dimensions specified for various components in tender data/specifications			

		should be provided.			
	6)	The Safe bearing capacity (SBC) / allowable pressure on soil shall be referred from latest SBC test report or tender datasheet, During execution if poor soil strata or ground water table is encountered, the SBC shall have to be re ascertained and the design should be revised accordingly.			
	7)	Maximum spacing between horizontal bracings shall be 5mt(storey height)			
	8)	The BB Masonry cabin with MS door shall be constructed when spiral staircase is outside the staging.			
	9)	RCC Staircase/ MS Staircase shall be provided and fixed for access to roof when height of roof from G.L. is up to 10 mt for ESR having more than 10.0 mt hight proper RCC Staircase or suitable RCC Spiral Staircase shall be constructed. Railing should be provided through out the staircase and around the top ring beam.			
	10)	For ESR- having staging height more than 15mt. The spiral staircase shall be provided inside the staging with effective tie beams in more than one direction.			
	11)	Water level indicator shall be provided and fixed float type / electronic (as specified)			
	12)	The rate shall include providing and fixing pipes, specials and valves required for inlet, outlet, wash out, over flow and bye pass arrangement. The scope of work includes constructing supporting RC pillars, erecting, laying, fixing and joining pipes and specials etc up to 5mt length from face of staging (outer most columns).			
	13)	DI pipes & specials shall only be used.			
	14)	The rate shall include cost of dewatering during execution making all arrangement with any dewatering technique.			
	15)	The structure shall be designed properly for uplift due to Ground water table specified in data or GWT encountered during execution. No extra payment shall be paid for the same.			
	16)	Effective curing shall be carried out up to required period as per specifications.			

	17)	Agency shall engage qualified (at least graduate) consulting engineer for designing the structure and he/she shall visit the site for guidance of work at all levels (i.e. below foundation, up to G.L., above G.L. for all lifts up to container).			
	18)	75% part rate shall be payable for Concrete, Reinforcement and Plastering items of container until satisfactory hydraulic testing for water tightness is performed. Or as per tender condition. Till then the work shall be treated as incomplete.			
		Above conditions / general specifications Sr. No. 1 to 18 are part & parcel of tender (contract)			
1	No	Cost of 2,50,000 Liter capacity and 18.0 Mt Height	32,35,417-00	No	32,35,417-00
Say Total Rs.					32,35,417-00

SCHEDULE – B (Part-IV)

Memorandum showing Item of work to be carried out for PROVIDING AND SUPPLYING PVC 15mm Dia. PIPELINE, SPECIALS FOR FITTING, EXCAVATION, LOWERING, LAYING, JOINTING, REFILLING OF HOUSE HOLD CONNECTION AT. VILLAGE: MOTA ZINZUDA

Abstract of House Hold Tap Connection Pipe Line

Qty	Unit	Description	Rate	per	Amount
1	2	3	4	5	6
-	-	Item No. 1.	-	-	-
		Providing and supplying in true line and level 15 mm dia.U.P.V.C. Pipe (SCH-40) for cold water including fitting make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent as approved by Engineer In Charge.			
15.00	Rmt	15 mm dia UPVC PIPE	25.00	Rmt	375.00
		Item No 2			
		Purchasing and supplying at site of work G.I. / P.V.C. specials as per requirement incl. Railway freight, loading, unloading and carting from store to site. Sales tax, insurance, octroi, GST etc. complete.			
5.00	No	(1) UPVC Coupling 15 mm dia.	5.00	No	25.00
4.00	No	(2) UPVC Elbow 15 mm dia.	7.00	No	28.00
1.00	No	(3) Bib Tap 15 mm dia.	30.00	No	30.00
1.00	No	(4) UPVC Female Elbow 15 mm dia.	10.00	No	10.00
1.00	No	(5) UPVC Male Thread 15 mm dia.	10.00	No	10.00
1.00	No	(6) 90/75 mm X 15 mm dia. Service saddle	70.00	No	70.00
		Item No. 3			
		Excavation for pipeline trenches incl. all safety, provision using site rails & stacking excavated stuff up to a lead of 90 M. clearing the site etc. comp. for lifts & strata as specified.			
2.31	Cum	A. In all sorts of soil and soft murrum	89.00	Cum	205.85
		Item No. 4			

		Lowering laying and jointing PVC pipes and specials of following class and diameters 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			
15.00	Rmt	15 mm dia UPVC PIPE	12.00	Rmt	180.00
		Item No. 5			
2.31	Cum	Refilling the pipeline trenches incl. Ramming, watering, consolidation, disposal of surplus stuff as directed within a radius of 3.00 Kmts	22.00	Cum	50.83
		Item No. 6			
1.00	No	Making hole In Pipe for Fitting saddle in to Existing pipe (90/75 mm) and New laying pipe or lowering, laying and jointing 90/75 mm X 15 mm dia. Service Saddle including cost of conveyance from stores to site of works including cost of labour, materials, cement solvent, giving satisfactory hydraulic testing as per ISI code.	60.00	No	60.00
		Item No. 7			
1.00	No	Making hole In Wall for Fitting House Hold Tap Connection including cost of conveyance from stores to site of works including cost of labour, materials, cement solvent, giving satisfactory hydraulic testing as per ISI code.	60.00	No	60.00
			Total		1104.68
		Total HH	484	1104.68	534662.89

SCHEDULE – B (Part-IX)

Memorandum showing item of work to be carried out for Tranparency, Water Quality Board and Slogan Painting, At. Village: MOTA ZINZUDA.

ABSTRACT

QTY	ITEM	RATE	PER	AMOUNT
	ITEM NO :: 1 ::			
	આઇ.એસ.આઇ માર્ક વાળા ફીરોઝી બ્લુ કલરના ઓઇલ પેઇન્ટ અને સફેદ કલરના ઓઇલ પેઇન્ટ માલ મટીરીયલ સહીત તમામ ટેક્ષ સાથે ચિત્રમાં દર્શાવ્યા મુજબનું બનાવવાનું કામ			
૩૬.૦૦	૬-૦" X ૬-૦" ના માપનું પારદર્શકતા બોર્ડ	૨૫.૦૦	ચો. ફુટ	૯૦૦.૦૦
૬.૨૫	૨'-૬" X ૨'-૬" ના માપનું વોટર ક્વોલીટી બોર્ડ	૨૫.૦૦	ચો. ફુટ	૧૫૬.૨૫
૧૮૦.૦૦	૬'-૦" X ૧'-૬" ના માપનું ભીતસુત્ર	૨૫.૦૦	ચો. ફુટ	૪૫૦૦.૦૦
	માર્કેટ રેટ (ભાવ)			
Total Rs.				૫૫૫૬.૨૫
Say Rs.				૫૫૫૭.૦૦

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.

**ASSISTANT TECHNICAL
D.W.S.U. – AMRELI.**

**UNIT MANAGER
D.W.S.U. – AMRELI.**