

VADODARA SMART CITY DEVELOPMENT LIMITED



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TENDER FOR

" Work for 24 x 7 Water Supply System under Smart City Mission in ABD area of VMC including Refurbishment of existing network in part area and New Distribution Network in Part area. The works also includes Civil, Electromechanical, Instrumentation, SCADA, Household connections, Consumer water meter fittings and Operation and Maintenance for a period of 10 years "

VOLUME – IV

Financial Bid

Managing Director,

Vadodara Smart city Development Limited

Vadodara

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A. PREAMBLE TO PRICE SCHEDULES

This bid is for "Work for 24 x 7 Water Supply System under Smart City Mission in ABD area of VMC including Refurbishment of existing network in part area and New Distribution Network in Part area. The works also includes Civil, Electromechanical, Instrumentation, SCADA, Household connections, Consumer water meter fittings and Operation and Maintenance for a period of 10 years."

- 1) 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.
- 2) The rates and prices shall be submitted in the electronic formats given by nprocure which is called Schedule-B, rates and prices received in any other formats will be rejected and the Bids will be disqualified.
- 3) In Price Schedule-B, bidder shall quote his price for entire work. Prices quoted in Schedule-B only will be considered for price.
- 4) It will be entirely at the discretion of the Employer to accept or reject the bidder's proposal, without giving any reason whatsoever.
- 5) Only Price Schedule of successful bidder will be considered for financial evaluation of the bid.
- 6) The bidder shall obtain data on survey work, soil investigation work and any other data required for his proposal at his own cost.
- 7) The bidder should acquaint himself with all the site conditions including but not limited to the access to Work site, HFL, High/low Tide Level as etc. The successful bidder shall have to make suitable access to work sites at his own cost. These accesses may be permitted for the use of the other contractors working for These accesses may be permitted for the use of the other contractors working for VSCDL as per instruction of Engineer-in-charge as per instruction of Engineer-in-charge
- 8) 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. The rates shall also be deemed to include any works and setting out that may be required to be carried out development works involved.

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- 9) Items not specifically listed in Schedule B but required to be executed for satisfactory working 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 and total price quoted in Schedule B. No extra payment shall be given for any item which is required for successful completion and commissioning of the project.
- 10) The bidder shall be deemed to have allowed in his bid proposal for all miscellaneous provisions, maintenance cost of equipments and establishments with 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.
- 11) 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.
- 12) Prices quoted by the bidder shall be firm for the entire period of Contract without any escalation in accordance with the Conditions of Contract.
- 13) The prices quoted shall also include the cost of materials utilized for testing.
- 14) The item descriptions in price schedule are for subject matter guidance only. The prices shall include all the equipments / materials / accessories and services required as per the specifications.
- 15) Payment against taxes and duties shall be as per of Conditions of Contract of Volume-I.
- 16) Deleted**
- 17) Deleted.**
- 18) The bidder shall be deemed to have allowed in this price for provision, maintenance and final removal of all temporary works of whatsoever nature required for construction including temporary bunds, diverting water, pumping, dewatering 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. Expenses for construction water and construction power shall be deemed to be inclusive of in the quoted price.
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- 19)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 site at his own cost.
- 20)Labour cess shall be deducted at 1% from the bills to be paid to the agency as per prevailing rules of Government of Gujarat.
- 21)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 furnished such additional information as regards royalty payment to the competent authority.
- 22)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 VSCDL.
- 23)Prices quoted by the bidder shall be firm for the entire period of Contract including O&M period without any escalation in accordance with the Conditions of Contract

Signature of Contractor

Managing Director,
Vadodara Smart city Development Limited
Vadodara

D. PAYMENT-SCHEDULE**BREAK UP FOR INTERIM PAYMENTS**

Item	Description of Items	Payment Schedule		Remarks
		For Schedule-1 of Civil Works Distribution Network		
		Payment Breakup for Item No. 1 of Schedule 1	Payment Breakup for Item No. 2 of Schedule 1	
a	On procurement of DI pipes of approved quantity and diameter as per instruction from Employer and after satisfactory testing of procured material.	60 % of Quoted rate		Mode of measurement is Running Meter. Payment shall be done on pro-rata basis. Procurement of pipe materials at project site shall be done with prior approval of Engineer In Charge. Payment shall be made maximum for 3000 Rmt of unlaidd pipe, irrespective of diameter
b	On Lowering, laying and Jointing	20 % of Quoted rate	80 % of Quoted rate	
c	On Hydraulic testing	5 % of Quoted rate	5 % of Quoted rate	
d	On refilling and disposal of surplus stuff	5 % of Quoted rate	5 % of Quoted rate	
e	After satisfactory commissioning of entire Distribution system and on receipt of commissioning certificate from Employer	10 % of Quoted rate	10 % of Quoted rate	
	Total of 1.0	100%	100%	

Note : For All other Items of Schedule 1 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory commissioning of entire Distribution system and on receipt of commissioning certificate from Employer

Item	Description of Items	Payment Schedule		Remarks
		For Schedule-2 of Civil Works -House Connection		
		Payment Breakup for Item No. 2 of Schedule 2		
a	On procurement of MDPE pipes of approved quantity as per instruction from Employer and after satisfactory testing of procured material.	60 % of Quoted rate		Mode of measurement is Running Meter. Payment will be done on pro-rata basis. Procurement of pipe materials at project site shall be done with prior approval of Engineer In Charge.
b	On 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 satisfactory commissioning of House Service Connection and on receipt of commissioning certificate from Employer	10 % of Quoted rate	
	Total of 2.0	100%	

Note : For All other Items of Schedule 2 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory commissioning of House Service Connection and on receipt of commissioning certificate from Employer

3	Designing & Construction of R.C.C ESR's	Payment Breakup for Item No. 1 of Schedule 3 of Civil Works -R.C.C ESR's (D=Quoted rate for sub items)
3.1	Survey, approval of hydraulic and structural design	2% of D
3.2	Excavation and PCC	2% of D
3.3	On completion of Footing	5% of D
3.4	On completion of all works upto Staging half height	5% of D
3.5	On completion of all works upto Staging full height	5% of D
3.6	On completion of Bottom slab	25% of D
3.7	On completion of Vertical wall half height	6% of D
3.8	On completion of Roof slab	12% of D
3.9	On completion of spiral staircase /M.S ladder	7% of D
3.10	On supply pipes valves and specials	6% of D
3.11	On completion of plastering and finishing	1% of D
3.12	On erection of pipes valves and constructions of chambers	4% of D
3.13	Other Miscellaneous items as per Tender Specification including snowcem painting, water level indicator, lighting Conductor, Railing, M.S. ladder and nameplate etc.	5% of D
3.14	On completion of Hydraulic testing	5% of D
3.15	On completion of commissioning of the Scheme and issuance of taking over certificate.	10% of D
	Total of 3.0	100%
4	Designing & Construction of R.C.C GSR's	Payment Breakup for Item No. 1 of Schedule 4 of Civil Works-R.C.C GSR's (D=Quoted rate for sub items)
4.1	Survey, approval of hydraulic and structural design	2% of D
4.2	On completion of Excavation and PCC	3% of D
4.3	On completion of Bed concrete & Footing	16% of D

4.4	On completion of Vertical wall half height	15% of D
4.5	On completion of Vertical wall Remaining height	17% of D
4.6	On completion of Roof slab	16% of D
4.7	On supply pipes valves and specials	6% of D
4.8	On completion of plastering and finishing	1% of D
4.9	On erection of pipes valves and constructions of chambers	4% of D
4.10	Other Miscellaneous items as per Tender Specification including snowcem painting, water level indicator, lighting Conductor, Railing, M.S. ladder and nameplate etc.	5% of D
4.11	On completion of Hydraulic testing	5% of D
4.12	On completion of commissioning of the Scheme and issuance of taking over certificate.	10% of D
	Total of 4.0	100%

Note : For All other Items of Schedule 4 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory testing and commissioning and on receipt of commissioning certificate from Employer

5	Dismantling of Existing R.C.C ESR's, GSRs, Pump House and Office Building	Payment Schedule (Schedule 5)
100% payment shall be made on pro-rata basis against executed quantity and certification from Employer		

6	Misc Works -Removing of Old Cast Iron Pipes	Payment Schedule (Schedule 6)
100% payment shall be made on pro-rata basis against executed quantity and certification from Employer		

7	Construction of Office Building	Amount Quoted in Total for Schedule-7 of Civil Works-Office Building, Cost shall be split as below	Remarks
7.1	RCC Work up to Bottom Slab / Basement	25 % of Quoted rate	Mode of measurement is Square Meter. Payment will be done on pro-rata basis.
7.2	Up to Roof Slab	25 % of Quoted rate	
7.3	Brickwork, Internal & External Plastering	15 % of Quoted rate	

7.4	Flooring, Painting, Waterproofing, Internal Lighting, Plumbing, Sanitary works, Landscaping, Site Development works and misc required works	15 % of Quoted rate
7.5	Landscaping, Site Development Works, Compound Wall etc.	10 % of Quoted rate
7.6	On Successful Testing	3 % of Quoted rate
7.7	On Successful Commissioning of that particular unit complete in all respect	7 % of Quoted rate
	Total of 7.0	100%

8	Pumping Main	Payment Schedule (Schedule 8)
90% payment shall be made on pro-rata basis against executed quantity and certification from Employer		
Balance 10 % payment against satisfactory commissioning of Pumping Main and on receipt of commissioning certificate from Employer		

9	Mechanical Works	Payment Schedule For Schedule-9, 10 & 11 of Mechanical Works	Remarks
		Payment Breakup for Item No. 1 & 14 of Schedule 9, 10 & 11	
a	On procurement of Machinery / Equipments as per instruction from Employer and after satisfactory testing of procured material.	50%	Mode of measurement is Sets/per Nos. Payment will be done on pro-rata basis.
b	On completion of Erection Works	25%	
c	On completion of Testing and Commissioning of Equipment	15%	
d	On completion of Commissioning of the Plant and issuance of taking over Certificate	10%	
	Total of 9.0	100%	

Note : For All other Items of Schedule 9, 10 & 11 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory testing and commissioning of plant and on receipt of commissioning certificate from Employer

10	Electrical Works & DG sets	Payment Schedule For Schedule-12, 13 & 14 of Electrical Works & DG sets		Remarks
		Payment Breakup for Item No. 3, 4, 5 of Electrical Works & Item No. 1 & 1.1 of DG sets of Schedule 12, 13 & 14		
a	On procurement of Machinery / Equipments as per instruction from Employer and after satisfactory testing of procured material.	50%		Mode of measurement is per Nos. Payment will be done on pro-rata basis.
b	On completion of Erection Works	25%		
c	On completion of Testing and Commissioning of Equipment	15%		
d	On completion of Commissioning of the Plant and issuance of taking over Certificate	10%		
	Total of 10.0	100%		

Note : For All other Items of Schedule 12, 13 & 14 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory testing and commissioning of plant and on receipt of commissioning certificate from Employer.

11	Domestic Water Meter & Bulk Flow Meter	For Schedule-15 of Instrumentation work Domestic Water Meter & Bulk Flow Meter		Remarks
		Payment Breakup for Item No. 1 of Schedule 15	Payment Breakup for Item No. 4 of Schedule 15	
a	On procurement of Water Meters as per instruction from Employer and after satisfactory testing of procured material.	50%		Mode of measurement is per Nos. Payment will be done on pro-rata basis.
b	On completion of Erection Works	25%	75%	
c	On completion of Testing and Commissioning of Equipment	15%	15%	
d	On completion of Commissioning of the scheme and issuance of taking over Certificate	10%	10%	
	Total of 11.0	100%	100%	

Note : For All other Items of Schedule 15 payment shall be done as follows,

1. 90% payment shall be made on pro-rata basis against executed quantity and certification from Employer
2. Balance 10 % payment against satisfactory commissioning of scheme and on receipt of commissioning certificate from Employer.

12	Engineering SCADA System for Water Distribution	For Schedule-16 of Engineering SCADA System
90% payment shall be made on pro-rata basis against executed quantity and certification from Employer		
Balance 10 % payment against satisfactory commissioning of Engineering Scada Works and on receipt of commissioning certificate from Employer		

13	Operation and Maintenance	Amount Quoted For Items of Schedule-17 - of Operation and Maintenance, Cost shall be split as below
100% payment shall be made on pro-rata basis against executed quantity and certification from Employer		

Notes:

1. Separate Agreement for comprehensive Operation and maintenance shall have to be made after Handing over of complete project to the department.