



Tis Isat Water Works PLC
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TIS ISAT WATER WORKS PLC

National Competitive Bidding Tender

Tender No. TIS/02/2018

Addis Zemen Newspaper

Kebtele Town Water Supply Expansion Project

Labor-Only Tender

Tender Document



Bahir Dar, Ethiopia

August 2018

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Amended Document for Open Bid Re-Invitation

Tis Isat Water Works PLC. is currently undertaking the construction of the Kebele Town Water Supply expansion Project located in Awi Zone, Jawi Woreda at Kibtel Kebele, under a contract agreement with the Amhara Water and Energy Bureau. Accordingly, the Company intends to give sub contract selected portions of the **labor works** to eligible bidders. Therefore, qualified bidders who are engaged in the construction sector, holding Grade 4 and above (WC or GC), and who are capable of fulfilling the requirements listed below, are invited to participate in a competitive selection process for sub-contracting works which are categorized in to 4 lots (**LOT-1, LOT-2, LOT-3 & LOT-4**).

LOT	Work Descriptions	Location	Bid Security	Project Duration/month/	Required GC/WWC Grade
1	Reservoirs, Operation room and guard houses, Engineers and Contractors Office works for Kebele Town Water Supply expansion Project	Awi zone, Jawi woreda, kibtel kebele	150,000 birr	4	4 and above
2	Water point works for Kebele Town Water Supply expansion Project		50,000 birr	4	4 and above
3	Trench excavation and back filling works for Pressure and gravity main line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project		200,000 birr	4	4 and above
4	Trench excavation and back filling works for Distribution line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project		200,000 birr	4	4 and above

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Bid information and requirements

1. Eligibility documents shall be attached to the technical offer.
2. All pages of the documents shall be signed and sealed.
3. All construction materials shall be supplied by the main contractor.
4. Bidders shall not be allowed to bid for more than one lot.
5. Bidders shall clearly and correctly fill the unit price and total price for each work item in the bill of quantities they submit, by hand writing, without leaving it unclear or ambiguous.
6. Bidders can get the bidding document from our company's website: www.tisisat.com
7. The bid shall remain open for only **nineteen (19)** consecutive days starting from the first date of announcement (04/12/2018 E.C) on Addis Zemen Newspaper. The bid will be closed on the **19th** day at 3:00 PM and will be opened on the same day at 3:30 PM in the presence of bidders or their legal representatives at the Contract Administration and Business Development Department office, Office No. 10, at the company's head office located in Bahir Dar City, Atse Tewodros Sub-City, Maraki Kebele, in front of Teddy Drivers Training Institute.
8. If the bid closing and opening date falls on a non-working day, the bid shall be closed and opened on the next working day at the same time.



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9. The bidder shall submit one (1) original and one (1) copy of both the Technical Proposal and the Financial Proposal. Each page of the documents must be duly signed and stamped by the authorized representative of the bidder.

The Technical Proposal and the Financial Proposal shall be placed in separate envelopes. Each envelope shall clearly indicate its contents on the top (i.e., "Technical Proposal" or "Financial Proposal"), along with the bidder's name, and must be stamped. In addition, the Bid Security (CPO) shall be enclosed in a separate sealed envelope, clearly marked and stamped.

Finally, the sealed envelopes containing the Original, Copy, and CPO shall be enclosed together in one outer envelope, which shall be securely sealed and stamped. The outer envelope shall also bear a clear description of its contents.

10. Bidders who attempt to interfere with or distort the bidding process during the bid opening shall be disqualified from the tender. Furthermore, they will not be allowed to participate in any future tenders conducted by the company, and their bid security shall be forfeited.
11. The price submitted by bidders during the tender must remain valid for at least **45** days starting from the date the tender is opened.





12. Advance payment-Not Applicable for this bid.
13. After the tender has been opened, bidders are not allowed to make any changes or modifications to the proposal they submitted, nor can they withdraw themselves from the tender.
14. Bidders must sign a contract agreement by fulfilling the performance bond of 10% or 30% of the contract amount including VAT in an unconditional bank guarantee or insurance, respectively and other documents indicated under bidders' required qualification and evaluation criteria's within 5/Five/ calendar days since the issue date of an award letter to the bidder.
15. The company reserves the right to cancel the tender as a whole or in part if it finds a better alternative.
16. Bidders must submit both their financial proposal and technical document requirements specified in each Lot separately, each in a different envelope.

Address-

- TISISAT WATER WORKS PLC
- Contract Administration & Business Development Department
- Block-1 Room No.10
- In front of Teddy Drivers Training institute
- Atse Tewedrose Sub City/ Maraki Kebele
- Bahir Dar, Ethiopia
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LOT-1

1. SCOPE AND APPLICATION

The scope of the work in this bid document is the construction of Reservoirs, operation room and guard houses, Engineers and Contractors Office for Kebele Town Water Supply expansion Project located at Awi Zone, Jawi Woreda and Kebedel Kebele.

Serial No.	Project Name	Project Duration (Months)	Procurement Type
1	Reservoirs, Operation room and guard houses, Engineers and Contractors Office works for Kebele Town Water Supply expansion Project	4	NCB

Note: - NCB = National Competitive Bidding

Bid information and requirements

1. Bidders with a record of unsatisfactory performance in contracts previously awarded by the Company under subcontracting tenders shall not be eligible to participate in this open tender.
2. The work shall be implemented based on the attached Bill of Quantities (BOQ) & the main contractor and consultant directions and work orders by site books and official letters.
3. All terms & conditions shall be governed by the main contractor agreement of the project.
4. Prior to preparing their price offers, Bidders **shall inspect/visit/ and be familiarized themselves** with the existing site conditions of the Project.



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5. All construction materials shall be supplied by the main contractor to the maximum 30m radius of the working area.
6. Bidders shall include in their rates all costs associated with supplying water required for construction activities (masonry, concrete, plastering, pointing, cement screening etc.). This shall include the cost of transporting water using the main contractor's vehicles and the labor cost of curing of completed works with water in accordance with the applicable standards and specifications. But if water required for the project works is not available freely, the purchase cost of water shall be covered by the main contractor.
7. All works will be carried out according to the working design and engineer's satisfaction.
8. Bidders, when preparing their unit rates, shall take into account that the rates include all necessary labor costs required for the execution of the work.
9. The unit rates to be submitted by the Bidders shall be deemed to include all costs related to loading factory product construction materials from the Main Contractor's warehouse onto vehicles, unloading from vehicles at construction sites, and all other associated expenses. Any labor costs and other incidental costs related to the execution of the works shall be fully included in the quoted rates and no additional payment shall be made on this account.
10. The bid shall remain open for only **nineteen (19)** consecutive days starting from the first date of announcement (04/12/2018 E.C) on Addis Zemen Newspaper. The bid will be closed on the **19th** day at 3:00 PM and will be opened on the same day at 3:30 PM in the presence of bidders or their legal representatives at the Contract Administration and Market Development Department, Office No. 10, at the company's head office located in Bahir Dar City, Atse Tewodros Sub-City, Maraki Kebele, in front of Teddy Drivers Training Institute.
11. If the bid closing and opening date falls on a non-working day, the bid shall be closed and opened on the next working day at the same time.



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12. Bidders who attempt to interfere with or distort the bidding process during the bid opening shall be disqualified from the tender. Furthermore, they will not be allowed to participate in any future tenders conducted by the organization, and their bid security shall be forfeited.
13. Bidders must sign a contract agreement by fulfilling the performance bond of **10% or 30%** of the contract amount including VAT in an **unconditional bank guarantee or insurance**, respectively and other documents indicated under **bidders' qualification requirement and evaluation criteria's** within 5/Five/ calendar days since the issue date of an award letter to the bidder.
14. An awarded bidder that is not able to execute its works according to signed agreement construction periods without any legal justifications will be penalized an amount equal to **0.1%** of the contract amount for each delayed construction days but the maximum amount of penalty can't be exceeded **10%** of the contract amount.
15. Payment shall be made for only the accepted work and approval by both the main contractor and consultant.
16. Advance payment- Not Applicable for this bid.
17. From each Payment of the sub-contractor a maximum of 5% amount of money shall be retained as retention money and repaid to the sub-contractor after project provisional acceptance time.
18. Bidders must start the construction work within 5 calendar days after agreement Signing.
19. Evaluation is to be carried out into two stages: first, Technical qualification responsiveness of Bidders and second, financial offer evaluation of Bidders.





2. Minimum Eligibility of the bidders

Eligibility and Qualification will be evaluated on Pass/Fail basis.

Eligibility of the bidder	Criteria	Document Submission requirement
Grade of Contractor	GC/WWC – Level 4 and above	Legal Document from responsible Government Organization
Bid Security	150,000 birr	CPO or Unconditional Bank Guarantee valid for 45 days
Valid trade license and business organization registration certificate	Having been submitted valid trade license and business organization registration certificate issued by the country of establishment	Legal Document from responsible Government Organization
VAT registration certificate	Having been submitted VAT registration certificate issued by the tax authority	Legal Document from responsible Government Organization
TIN registration certificate	Having been submitted TIN registration certificate issued by the tax authority	Legal Document from responsible Government Organization
Valid tax clearance certificate	Having been submitted valid tax clearance certificate issued by the tax authority	Legal Document from responsible Government Organization



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3. Required Qualification and Evaluation Criterias'

Table 1. Financial Status, Company Experiences and Grade Requirements

S.No	Qualification Criteria	Minimum Must Meet Requirement
1	Annual Construction Turnover for the last last 3(Three) Years	The minimum average annual construction turnover shall be ETB 3,000,000 . This shall be calculated as the total construction turnover over the last last 3(Three) years divided by 3(Three), and must be certified by a written letter from the Ethiopian Ministry of Revenues or the relevant Revenue Office.
2	Financial Capabilities	Bidders shall be required to submit evidence of their recent financial capacity in the form of a bank statement or bank certificate issued by an authorized financial institution, with a minimum balance of ETB 250,000 (Two hundred fifty thousand Ethiopian Birr). The submitted document must be verified as legally valid.
3	General Construction Experience	3 years firm experience under water and other related construction work contracts in the role of Prime Contractor, Joint Venture Partner, or sub-contractor.
4	Specific Construction Project Experience	The bidder shall demonstrate proven experience in the construction of water storage infrastructure. To qualify, the contractor must have successfully completed at least one (1) water reservoir with a minimum capacity of 100 cubic meters (100 m ³).
5	Grade	WC/ GC – Leve 4 and above



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4. Additional requirements

Bidders are strictly required to meet the following requirements:

1. Eligibility documents shall be attached to the technical offer.
2. All pages of the documents shall be signed and sealed.
3. Bidders shall clearly and correctly fill the unit price and total price for each work item in the bill of quantities they submit, by hand writing, without leaving it unclear or ambiguous.
4. The price submitted by bidders during the tender must remain valid for at least 45 days starting from the date the tender is opened.
5. After the tender has been opened, bidders are not allowed to make any changes or modifications to the proposal they submitted, nor can they withdraw themselves from the tender.
6. The company reserves the right to cancel the tender as a whole or in part if it finds a better alternative.
7. Bidders must submit both their financial proposal and technical documents separately, each in a different envelope.

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5. Bill of quantities

Summary of LOT-1		
Bill No.	Description	Total Amount
Part I : Civil Works construction and Installation (ETB)		
2	Bill No 2:Engineers and Contractors Office	
3	Bill No 3:Operation & Generator Room at Well Station	
4	Bill No 4:Guard Houses at well station & Service Reservoirs	
5	Bill No 5:100m3 Ground concrete service Reservoir for Gongi Kebele	
6	Bill No 6:300m3 Ground concrete service Reservoir for Kebtele Kebele	
	Total of Part I (ETB)	
	VAT (15%)	
	Total of Part I including 15% VAT	



BOQ - NO 2. Engineers and Contractors Office					
It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
1	SUB-STRUCTURES				
1.1	Earth Work				
1.1.1	Clearing and removal of top soil to average depth of 20cm	m2	176		
1.1.2	Normal soil excavation for foundation up to a depth of 0.5meters	m3	60.37		
1.1.3	Soft rock excavation for foundation up to a depth of 0.3 meters	m3	6.04		
1.1.4	Cart away excavated material to a distance not exceeding 1 km	m3	95.57		
1.1.5	filling in trenches with imported granular material/ selected soil in layers not exceeding 200 mm thickness well-watered rammed & consolidated complying with relevant standard specifications as directed by the Engineer In-charge.	m3	65.29		
1.1.6	25cm thick hard-core filling and blinded with basaltic or equivalent material.	m2	102.92		
1.1.7	Backfill and compaction with excavated material	m3	10.00		
	Sub-total				
1.2	Stone Masonry				
1.2.1	Stone masonry wall with dressed, impermeable, non-weathered and non-fractured stone external surface left for pointing and jointed with cement mortar mix. 1:3 ratio.	m3	31.96		
1.2.2	One meter width semi dressed stone pavement around building and jointed with cement mortar mix. 1:3 including 30cm wide peripheral drainage ditch.	m2	60.00		
1.2.3	Stone masonry trapezoidal drainage ditch around the building and jointed with cement mortar mix 1:3 as shown in the drawing (30 cm top and 20 cm bottom width)	m	60.00		



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
1.3	Concrete Work				
1.3.1	5 cm thick lean concrete C-5 under masonry	m2	47.94		
1.3.2	10cm thick C-20 concrete for floor slab	m2	10.60		
1.3.3	Reinforced concrete in grade beams with C-25 concrete class	m3	4.18		
1.3.4	Cement screed 3cm thick for floor slab	m2	102.16		
	Sub-total				
1.4	Form work (Sawn Zigba)				
1.4.1	To sides of grade beams	m2	40.50		
	Sub-total				
1.5	Mild steel rod reinforcement, cutting, bending, & placing in position				
1.5.1	Diam. 12mm deformed	kg	351.01		
1.5.2	Diam. 6mm deformed	kg	114.02		
	Sub-total				
	Total (Sub-structure)				
2	SUPER-STRUCTURES				
2.1	C-25 Concrete Work				
2.1.1	In elevation columns	m3	1.80		
2.1.2	In suspended beams	m3	3.48		
2.1.3	In lintels	m3	0.88		
	Sub-total				
2.2	Form work (Sawn Zigba)				
2.2.1	In elevation columns	m2	40.50		
2.2.2	In suspended beams	m2	67.14		
2.2.3	In lintels	m2	16.69		
	Sub-total				
2.3	Mild Steel Rod Reinforcement, Cutting, Bending, & Pacing in position				
2.3.1	Diam. 12mm deformed	kg	552.41		
2.3.2	Diam. 10mm deformed	kg	101.75		
2.3.3	Diam. 6mm deformed	kg	100.64		
	Sub-total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
2.4	Block Work				
2.4.1	B-class 20 cm thick hollow concrete block walls	m2	135.39		
2.4.2	B-class 15 cm thick hollow concrete block walls	m2	37.61		
	Sub-total				
2.5	Finishing Work				
2.5.1	Three coats of internal wall and external column and beam plastering with 1:3 mortar.	m2	288.95		
2.5.2	Plastering External wall left for rendering	m2	123.84		
2.5.3	Rendering H.C.B wall in cement mortar (1:3) mix.	m2	80.09		
2.5.4	Two coats plastic emulsion paint.	m2	288.95		
	Sub-total				
2.6	Roof Work (Installation)				
2.6.1	Fabrication & installation of eucalyptus truss				
2.6.1.1	Lower chord 100mm dia	m	104.00		
2.6.1.2	Upper chord 100mm dia	m	107.20		
2.6.1.3	Diagonals and verticals 80mm dia	m	132.89		
2.6.2	5X7cm Zigba wood purlin at 90cm spacing.	m	120.00		
2.6.3	Gauge 28 C.I.S roof cover including ridge, flashing and all incidental works as shown in the drawing, the area is measure horizontally.	m2	134.00		
2.6.4	construct roof ceiling with 8mm cheap wood (Soffit nailed to support cheap wood ceiling). chipwood prepatation/cutting works before installation shall be done by main contractor	m2	130.00		
2.6.5	Fixing of 20cmX2.5cm wide fascia board including painting.	m	20.00		
2.6.6	Fixing of Gauge 28 galvanized iron sheet gutter girth 60cm, welded at joints and 2% slop is provided towards the down pipes, price includes three coats of oil paint.	m	20.00		
2.6.7	100mm PVC down pipe fixed to wall with metal straps.	m	18.00		
	Sub-total				
2.7	Grilled, glazed & framed metal window, and glazed including painting of antirust and metal paint (Welding and other material prepatation works before installation shall be done by main contractor)				
2.7.1	Size 1500x1400(mm)	pcs	7.00		
2.7.2	Size 600x600(mm)	pcs	1.00		
	Sub-total				
2.8	Double metal door including key and lockers complete and painting of antirust and metal paint (Welding and other material prepatation works before installationshall be done by main contractor)				
2.8.1	Size 800x2100(mm)	pcs	6.00		
2.8.2	Size 1200x2100(mm)	pcs	1.00		
	Sub-total				
	Total (Super structure)				
	Total Sum for Bill No-2				

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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
BOQ - NO 3. Operation & Generator Room at Well Station					
1	Earth Work				
1.1	Clearing and removal of top soil to average depth of 200mm	m2	50.4		
1.2	Excavation in ordinary soil to a depth not greater than 1.5m	m3	34.67		
1.3	Ditto to item 1.2 above, but in soft rock formation	m3	5.46		
1.4	Ditto to item 1.2 above, but in hard rock formation	m3	1.36		
1.5	Back fill using excavated material as directed by the engineer	m3	6.28		
1.6	Fill to stated depth with selected granular material, including compaction	m3	6.26		
1.7	Cart away the excavated materials not exceeding more than 500m	m3	38.47		
1.8	Fill with hardcore 250 mm thick including compaction	m2	31.28		
	Sub total				
2	Masonry work				
2.1	Masonry work with 1:4 cement/sand mortar below ground	m3	9.86		
2.2	120cm wide and 20cm thick dry stone jointed and pitched with 1:3 ratio cement mortar mix pavement around the building including ditch. (80 cm pavement; 25 cm edge wall and 15 cm bottom width)	m ²	35.52		
	Sub total				
3	Concrete work				
3.1	70mm thick Class C-5 lean concrete for footing pad	m ²	6		
3.2	Reinforced concrete C-25 grade beam (200X300mm)	m3	1.72		
3.3	Reinforced concrete C-25 column (200x200mm)	m3	0.72		
3.4	Reinforced concrete C-25 Footing pad (1000X1000mm) & Footing column (200x200mm)	m3	2.04		
3.5	Reinforced concrete C-25 Top tie beam (200x250mm)	m3	1.43		
3.6	Reinforced concrete C-25 lintel (200x150mm)	m3	0.23		
3.7	Reinforced concrete C-25 Floor slab, 200 mm thick including generator seat with 1.6mx3.2mx0.4m	m3	7.28		
3.8	Floor cement screed average 30 mm thick floated finish with drain slope into gate side.	m2	31.28		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
4	Formwork				
4.1	In Footing pad & Footing column	m2	12		
4.2	In Grade beam	m2	17.04		
4.3	In elevation column	m2	14.4		
4.4	In top tie beam	m2	19.68		
4.5	In lentils	m2	3.75		
4.6	Generator seat	m2	1.92		
	Sub total				
5	Reinforcement bars				
5.1	High yield reinforcement steel bars to specifications				
5.2	Ø 8 mm	Kg	150.72		
5.3	Ø 10 mm	Kg	26.39		
5.4	Ø 12 mm	Kg	495.26		
	Sub total				
6	Hollow block work				
6.1	Hollow block work, 200 mm thick Class B	m2	86.18		
	Sub total				
7	Roofing				
7.1	Eucalyptus truss complete as shown on the drawings, span approx. 7400 mm & 1.2 m c/c				
	a. Lower chord 100mm dia	m	35		
	b. Upper chord 100mm dia	m	39.2		
	c. Diagonals and verticals 80mm dia	m	73.43		
7.2	5cmX7cm Zigba wood purlin at 90cm spacing.	m	51.8		
7.3	Gauge 28 C.I.S roof cover including ridge, flashing and all incidental works as shown in the drawing, the area is measure horizontally.	m²	41.44		
7.4	20cm*25cm wide fascia board including painting.	m	7.4		
7.5	Gauge 28 galvanized iron sheet gutter girth 60cm, welded at joints and 2% slope is provided towards the down pipes, price includes three coats of oil paint.	m	7.4		
7.6	100mm PVC down pipe fixed to wall with metal straps.	m	13.05		
7.7	Ceiling 8mm thick chip wood fixed to 50 x 40mm Zigba battens including corner lining for both internal and external parts (chipwood preparation/cutting works before installation shall be done by main contractor)	m2	11.5		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
8	Plastering Work				
8.1	Three coat of internal wall plastering with 1:3 mortar.	m2	89.26		
8.2	Plastering external Column; Grade beam; Lentil & Top Tie Beam with 1:3 mortar.	m2	22.09		
8.3	Plastering External wall left for rendering	m2	74.27		
8.4	Rendering H.C.B wall in cement mortar (1:3) mix.	m2	74.27		
	Sub total				
9	Painting				
9.1	Two coats plastic emulsion paint of smooth concrete/plastered surfaces with emulsion paint	m2	40.93		
9.2	Painting of external Column ; Grade beam & Top Tie Beam	m2	19.64		
9.3	Painting of varnish external red wood ceiling and internal ceiling	m2	11.5		
	Sub total				
11	Miscellaneous works				
11.1	Fix 2mm thick sheet Metal door size 2500mmx2450mm with 2mm thick LTZ frame and 1000mm ventilation opening with grilled screen and complete all accessories as per the drawing (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
11.2	Fix 2mm thick sheet Metal door size 900mmx2100mm with 2mm thick LTZ frame and complete with all accessories as per the drawing (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
11.3	Fix 2mm thick sheet Metal louvered window size 100mmx1700mm with 2mm thick LTZ frame and complete with all accessories as per the drawing (Welding and other material preparation works before installation should be done by main contractor)	No	2		
11.4	Fix 2mm thick sheet Metal window size 1200mmx1200mm with 2mm thick LTZ frame and complete with all accessories as per the drawing (Welding and other material preparation works before installation shall be done by main contractor)	No	1		



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
11.5	Erect 2.5mm thick fence of 6 lines of barbed wire 200mm and 400mm spacing the bottom 4 and upper 2 lines, respectively, with cross diagonal on angle iron poles 5cmx5cmX3mm thick and bracers at the corners, embedded in 50mm concrete around the pole to depth of 500 mm (Welding and other material preparation works before installation shall be done by main contractor)	m	96		
11.6	Erect 4000mmX2000mm Gate of 30mm*30mm *3mm RHS c/c spaced at 10cm having three coats of antirust painting & complete with R.H.S. pole of 100mmx100mm*4mm, hinges and locks. (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
	Sub total				
	Total Sum for Bill No-3				
BOQ No. 4 Guard Houses at well station & at Service Reservoirs					
1	Earth Work				
1.8	Fill with hardcore 250 mm thick including compaction	m ²	6.6		
	Sub total				
2	Masonry work				
2.1	Masonry work with 1:4 cement/sand mortar below ground	m ³	2.5		
2.2	100cm wide and 20cm thick dry stone jointed and pitched with 1:3 ratio cement mortar mix pavement around the building including ditch. (60 cm pavement ;25 cm edge wall and 15 cm bottom width)	m ²	16		
	Sub total				
3	Concrete work				
3.1	Reinforced concrete C-25 grade beam (200X200mm)	m ³	0.45		
3.2	Reinforced concrete C-25 column (200x200mm)	m ³	0.4		
3.3	Reinforced concrete C-25 Top tie beam (200x200mm)	m ³	0.45		
3.4	Reinforced concrete C-25 lintel (200x150mm)	m ³	0.09		
3.5	Mass concrete C-25 floor slab 100 mm thick	m ³	0.66		
3.6	Floor cement screed average 30 mm thick floated finish with drain slope into gate side.	m ²	6.6		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
4	Formwork				
4.1	In Grade beam	m2	4.48		
4.2	In elevation column	m2	8		
4.3	In top tie beam	m2	6.56		
4.4	In lentils	m2	1.37		
	Sub total				
5	Reinforcement bars				
5.1	High yield reinforcement steel bars to specifications				
5.2	Dia.6mm deformed	Kg	29.82		
5.3	Dia.10mm deformed	Kg	99.41		
	Sub total				
6	Hollow block work				
6.1	Hollow block work 200 mm thick class C	m2	30.55		
	Sub total				
7	Roofing				
7.1	Eucalyptus truss complete as shown on the drawings, span approx. 3600 mm & 1.2 m c/c				
	a. Lower chord 100mm dia	m	10.4		
	b. Upper chord 100mm dia	m	12.8		
	c. Diagonals and verticals 80mm dia	m	25.8		
7.2	5cmX7cm Zigba wood purlin at 90cm spacing.	m	18		
7.3	20cmx2.5cm fascia board including painting.	m	3.6		
7.4	Gauge 32 C.I.S roof cover including ridge, flashing and all incidental works as shown in the drawing, the area is measure horizontally.	m²	10.88		
7.5	Fixing of Gauge 28 galvanized iron sheet gutter girth 60cm, welded at joints and 2% slope is provided towards the down pipes, price includes three coats of oil paint.	m	3.4		
7.6	Fixing of PVC down pipe DN 110 mm including fastenings and fittings	m	7.3		
7.7	Ceiling 8mm thick chip wood fixed to 50 x 40mm Zigba battens including corner lining for both internal and external parts (chipwood preparation/cutting works before installation shall be done by main contractor)	m2	6.6		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
8	Plastering Work				
8.1	Three coat of internal wall plastering with 1:3 mortar.	m2	24.75		
8.2	Plastering external Column; Grade beam; Lentil & Top Tie Beam with 1:3 mortar.	m2	9.66		
8.3	Plastering External wall left for rendering	m2	30.12		
8.4	Rendering H.C.B wall in cement mortar (1:3) mix.	m2	30.12		
	Sub total				
9	Painting				
9.1	Two coats plastic emulsion paint of smooth concrete/plastered surfaces with emulsion paint	m2	22.67		
9.2	Painting of external Column; Grade beam & Top Tie Beam	m2	8.8		
9.3	Painting of varnish external red wood ceiling and internal ceiling	m2	6.6		
	Sub total				
11	Miscellaneous works				
11.1	Fix 2mm thick sheet Metal door size 900mmx2100mm with 2mm thick LTZ frame and complete with all accessories as per the drawing (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
11.2	Fix 2mm thick sheet Metal window size 1200mmx1200mm with 2mm thick LTZ frame and complete with all accessories as per the drawing (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
	Sub total				
	Total Sum for One (1)				
	Total Sum for Three(3)				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
BOQ No. 5 100m3 Ground concrete service Reservoir @ Gongl					
2	Stone and Masonry Work				
2.1	Hardcore/Stone				
2.1.1	300 mm thick hard core with basaltic stone or equivalent	m2	43.01		
2.2	Masonry				
2.2.1	30cm deep masonry work under the wall	m3	3.56		
2.2.2	250 mm thick hard core with basaltic stone or equivalent	m2	6.48		
2.2.3	100mm thick and 1m wide pavement including concrete ditch as per the drawing	m2	26.39		
	Sub Total				
3	Concrete Work				
3.1	Lean and mass concrete				
3.1.1	70mm thick lean concrete(C10) under the reservoir base slab and valve chamber	m2	43.01		
3.2	Reinforced concrete Class C-30 filled into form work and vibrated around reinforced bar				
3.2.1	In Base slab	m3	10.75		
3.2.2	In wall	m3	18.56		
3.2.3	Top slab	m3	7.18		
3.2.4	For fillet/friction key	m3	0.61		
	Sub Total				
4	Form work				
4.1	Base slab	m2	5.81		
4.2	Wall	m2	148.44		
4.3	Top slab	m2	38		
4.4	For fillet/friction key	m2	6.87		
	Sub Total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
5	Cut, bend and fix in position reinforced steel bar. All according to structural drawing. Price should include tying wires				
5.1	Diameter 8 mm deformed bar	Kg	62.08		
5.2	Diameter 10 mm deformed bar	Kg	620.33		
5.3	Diameter 12 mm deformed bar	Kg	1979.24		
5.4	Diameter 14 mm deformed bar	Kg	737.78		
	Sub Total				
6	Accessories & Finishing Works				
6.1	Apply 30mm cement screed to the reservoir floor and roof slab (1:3) mix cement mortar	m2	66.36		
6.2	Apply 3 coats of plaster to reservoir internal walls and to embedded part of external wall surface (1:2) mix cement mortar	m2	148.44		
6.3	Rendering three coat reservoir external wall using 1:1 mortar ratio	m2	76.97		
6.4	plastering of External floor slab Beam & cover slab vertical parfalt	m2	9.2		
6.5	0.9m*0.9m of 4mm sheet metal manhole cover top of the reservoir (Welding and other material preparation works before installation shall be done by main contractor)	m2	1		
6.6	Install access internal and external ladder constructed out of 1 1/2" dia. Gs pipe (Welding and other material preparation works before installation shall be done by main contractor)	No	1		
6.7	Install water stops made of natural or synthetic rubber or electrometric plastic compound with basic risen polyvinyl chloride (PVC)	m	42.4		
6.8	Painting of blue color external smooth surface of the reservoir	m2	13.6		
	Sub Total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
7	Manhole				
7.1	Construct stone masonry valve chamber for outlet, over flow and drain valves as per the drawing.				
7.11	Excavation for Structures				
7.12	40cm bulk excavation for foundation in ordinary soil	m3	4.23		
7.13	40cm thick non vascular basaltic stone Masonry	m3	4.03		
7.14	20 cm thick hard-core filling (equivalent to hard basaltic stone)	m2	6.48		
7.15	C-10 5cm thick lean concrete		6.48		
7.16	plastering internal part of valve chamber ratio of 1:2 (cement mortar)	m2	2		
7.17	Pointing external part of valve chamber ratio of 1:2 (cement mortar)	m2	6.48		
7.18	Fix 1m*1m of 4mm sheet metal cover (Welding and other material preparation works before installation shall be done by main contractor)	No	2		
	Sub Total				
10	COMPOUND WORK				
10.1	Barbed wires fencing consists of 2.5 mm barbed wire horizontal and diagonal member fixed to 2500 mm long 50*50*4mm angle iron spaced every 1500mm, including all necessary material (Welding and other material preparation works before installation shall be done by main contractor)	m	80		
10.2	Erect 4000X200mm gate of 30mm*30mm RHS framed sheet metal having three coats of antirust painting & complete with R.H.S. pole of 100mmX100mm, hinges and locks. (Welding and other material preparation works before installation shall be done by main contractor)	no	1		
10.3	Spreading and compacting selected granular material of 300 mm thick for vehicle access and hard standing within compound	m3	36		
	Sub Total				
	Total Sum for Bill No-5				
BOQ No.6 300m3 Ground concrete Service Reservoir @ Kebtele					
2	Stone, Masonry and Hallow block Work				
2.1	Hardcore/Stone				
2.1.1	250mm thick equivalent basaltic stone hard core	m2	95.92		
2.2	Masonry				
2.2.1	Basaltic stone masonry 400mm thick pavement around the reservoir having 700mm drain area, 200mm ditch and 300mm external parapet	m2	.44.86		
2.2.2	C-25 mass concrete having 700mm drain area, 200mm ditch and 300mm external parapet	m3	3.74		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
3	CONCRETE				
3.1	Lean and mass concrete				
3.1	70mm thick lean concrete class C-10 under the reservoir base slab	m2	95.92		
3.2	Reinforced concrete type C-30 filled into form work and vibrated around reinforced bar				
3.2.1	In 300mm thick base slab	m3	27.99		
3.2.2	In 250mm thick concrete wall	m3	36.63		
3.2.3	In 200mm top slab	m3	15.71		
3.2.4	In column of thickness 500mm dia.	m3	1.03		
3.2.5	Friction key	m3	0.95		
3.2.6	In columns cup	m3	0.6		
3.2.7	In column pad	m3	0.76		
	Sub total				
4	Provide and fix formwork				
4.1	To base slab	m2	32.27		
4.2	To wall	m2	265.89		
4.3	To top slab	m2	94.88		
4.4	To column	m2	8.2		
4.5	To Friction key	m2	10.72		
4.6	To column cup	m2	1.2		
4.7	To column pad	m2	2.61		
	Sub total				
5	Cut, bend and fix in position reinforced steel bar. All according to structural drawing. Price should include tying wires.				
5.1	Diameter 8 mm deformed bar	kg	28.71		
5.2	Diameter 10 mm deformed bar	kg	1,580.34		
5.3	Diameter 12 mm deformed bar	kg	2,647.85		
5.4	Diameter 14 mm deformed bar	kg	3,334.40		
5.5	Diameter 16 mm deformed bar	kg	279.14		
5.6	Diameter 20 mm deformed bar	kg	448.93		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
6	ACCESSORIES & FINISHING				
6.1	Apply 50mm cement screed to the reservoir floor and roof slab and to valve chamber	m2	168.28		
6.2	Apply 3 coats of plaster to internal walls, columns and to embedded part of external wall surface	m2	167.53		
6.3	Rendering three coat reservoir external wall using 1:1 mortar ratio	m2	130.31		
6.4	Install access internal ladder constructed out of 11/2" dia. Stainless steel pipe hooked to the wall as per the engineer order and drawing, (Welding and other material prepatation works before installation shall be done by main contractor)	m	14		
6.5	Install access external ladder constructed out of 11/2" dia. Class C GI pipe hooked to the wall as per the engineer order and drawing, (Welding and other material prepatation works before installation shall be done by main contractor)	m	15		
6.6	Install 300mm thick water stops made of natural or synthetic rubber or elastomeric plastic compound with basic risen polyvinyl chloride (PVC)	m	65.2		
6.7	Painting of blue color external smooth surface of the reservoir	m2	3.2		
6.8	Fix 3mm sheet metal access manhole cover for opening 800x800 mm (Welding and other material prepatation works before installation should be done by main contractor)	No	1		
	Sub total				
8	Compound Work				
8.1	Barbed wires fencing consists of 2.5 mm barbed wire horizontal and diagonal member fixed to 2500 mm long 50*50*4mm angle iron spaced every 1500mm, including all necessary material (Welding and other material prepatation works before installation shall be done by main contractor)	m	80		
8.2	Erect 2000X4000mm gate of 30mm*30mm RHS framed sheet metal having three coats of antirust painting & complete with R.H.S. pole of 100mmX100mm, hinges and locks. (Welding and other material prepatation works before installation shall be done by main contractor)	No	1		
8.3	Spreading and compacting selected granular material for vehicle access and hard standing within compound	m3	36		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
9	Valve Room and Manhole				
9.1	proper compaction of normal soil as per engineer order	m2	3		
9.2	250mm thick equivalent basaltic stone hard core	m2	3		
9.3	70 mm thick lean concert with mix ratio (1:3:6) under the floor	m2	3		
9.4	Construct 400 mm thick pointed stone masonry valve chamber as per the drawing	m3	5.6		
9.5	Fix 3mm sheet metal access cover with latch and lock for valve chamber cover at out let and overflow (Welding and other material prepatation works before installation shall be done by main contractor)	No	1		
9.6	Fix 3mm sheet metal access manhole covers for opening 900x900 mm (Welding and other material prepatation works before installation shall be done by main contractor)	No	12.8		
9.7	pointing external wall of stone masonry	m2	16.6		
	Sub total				
	Total Sum for Bill No-6				
Attention to Notes:					
1	Masonry work includes minimum of 14 days of curing & concrete work includes minimum of 21 days of curing. (The main contractor shall provide all machinery and equipment required for water fetching, while the sub contractor shall supply the necessary manpower)				
2	Plastering work include 1st coat, 2nd coat, 3rd coat & 14 days of curing and also the difference in days from the first, second and the third round of plastering shall be in accordance with the building code. (The main contractor shall provide all machinery and equipment required for water fetching, while the sub contractor shall supply the necessary manpower)				
3	Rebar work includes Cutting, bending, fixing & tying				
4	All construction materials shall be supplied by Main contractor to the Maximum 30m radius distance of working area				
5	The ratio of composite materials for masonry & concrete works depend on mix design result.				



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LOT-2

1. SCOPE AND APPLICATION

The scope of the work in this bid document is the construction of Water point works for Kebele Town Water Supply expansion Project located at Awi Zone, Jawi Woreda and Kebtel Kebele.

Serial No.	Project Name	Project Duration (Months)	Procurement Type
1	Water point works for Kebele Town Water Supply expansion Project.	4	NCB

Note: - NCB = National Competitive Bidding.

Bid information and requirements

1. Bidders with a record of unsatisfactory performance in contracts previously awarded by the Company under subcontracting tenders shall not be eligible to participate in this open tender.
2. The work shall be implemented based on the attached Bill of Quantities (BOQ) & the main contractor and consultant directions and work orders by site books and official letters.
3. All terms & conditions shall be governed by the main contractor agreement of the project.
4. Prior to preparing their price offers, Bidders **shall inspect/visit/ and be familiarized themselves** with the existing site conditions of the Project.
5. All construction materials shall be supplied by the main contractor.
6. The construction material will be supplied by Main contractor to the maximum 30m radius of the working area.



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7. Bidders shall include in their rates all costs associated with supplying water required for construction activities (masonry, concrete, plastering, pointing, cement screeding etc.). This shall include the cost of transporting water using the main contractor's vehicles and the labor cost of curing of completed works with water in accordance with the applicable standards and specifications. But if water required for the project works is not available freely, the purchase cost of water shall be covered by the main contractor.
8. All works will be carried out according to the working design and engineer's satisfaction.
9. Bidders, when preparing their unit rates, shall take into account that the rates include all necessary labor costs required for the execution of the work.
10. The unit rates to be submitted by the Bidders shall be deemed to include all costs related to loading factory product construction materials from the Main Contractor's warehouse onto vehicles, unloading from vehicles at construction sites, and all other associated expenses. Any labor costs and other incidental costs related to the execution of the works shall be fully included in the quoted rates and no additional payment shall be made on this account.
11. The bid shall remain open for only **nineteen (19)** consecutive days starting from the first date of announcement (04/12/2018 E.C) on Addis Zemen Newspaper. The bid will be closed on the **19th** day at 3:00 PM and will be opened on the same day at 3:30 PM in the presence of bidders or their legal representatives at the Contract Administration and Market Development Department, Office No. 10, at the company's head office located in Bahir Dar City, Atse Tewodros Sub-City, Maraki Kebele, in front of Teddy Drivers Training Institute.
12. If the bid closing and opening date falls on a non-working day, the bid shall be closed and opened on the next working day at the same time.



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13. Bidders who attempt to interfere with or distort the bidding process during the bid opening shall be disqualified from the tender. Furthermore, they will not be allowed to participate in any future tenders conducted by the organization, and their bid security shall be forfeited.
14. Bidders must sign a contract agreement by fulfilling the performance bond of **10% or 30%** of the contract amount including VAT in an **unconditional bank guarantee or insurance**, respectively and other documents indicated under **bidders' required qualification and evaluation criteria's** within 5/Five/ calendar days since the issue date of an award letter to the bidder.
15. An awarded bidder that is not able to execute its works according to signed agreement construction periods without any legal justifications will be penalized an amount equal to **0.1%** of the contract amount for each delayed construction days but the maximum amount of penalty can't be exceeded **10%** of the contract amount.
16. Payment shall be made for only the accepted work and approval of both main contractor and consultants.
17. Advance payment- Not Applicable for this bid.
18. From each Payment of the sub-contractor a maximum of 5% amount of money shall be retained as retention money and repaid to the sub-contractor after project provisional acceptance time.
19. Bidders must start the construction work within 5 calendar days after agreement Signing.
20. Evaluation is to be carried out into two stages: first, Technical qualification responsiveness of Bidders and second, financial offer evaluation of Bidders.





2. Minimum Eligibility of the bidders

Eligibility and Qualification will be evaluated on Pass/Fail basis.

Eligibility of the bidder	Criteria	Document Submission requirement
Grade of Contractor	GC/WWC – Level 4 and above	Legal Document from respected Government Organization
Bid Security	50,000 birr	CPO or Unconditional Bank Guarantee valid for 45 days
Valid trade license and business organization registration certificate	Having been submitted valid trade license and business organization registration certificate issued by the country of establishment	Legal Document from respected Government Organization
VAT registration certificate	Having been submitted VAT registration certificate issued by the tax authority	Legal Document from respected Government Organization
TIN registration certificate	Having been submitted TIN registration certificate issued by the tax authority	Legal Document from respected Government Organization
Valid tax clearance certificate	Having been submitted valid tax clearance certificate issued by the tax authority	Legal Document from respected Government Organization



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Financial Capabilities	Bidders shall be required to submit evidence of their recent financial capacity in the form of a bank statement or bank certificate issued by an authorized financial institution, with a minimum balance of ETB 100,000 (one hundred thousand Ethiopian Birr). The submitted document must be verified as legally valid.	
Specific Construction Project Experience	The bidder shall have successfully and substantially ($\geq 70\%$) completed at least one project in water supply, irrigation and other water resources related works with a minimum amount of 1,000,000 ETB and shall submit written evidence confirming that the project was substantially/fully completed in accordance with the contract.	



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3. Additional requirements

Bidders are strictly required to meet the following requirements:

1. Eligibility documents shall be attached to the technical offer.
2. All pages of the documents shall be signed and sealed.
3. Bidders shall clearly and correctly fill the unit price and total price for each work item in the bill of quantities they submit, by hand writing, without leaving it unclear or ambiguous.
4. The price submitted by bidders during the tender must remain valid for at least 45 days starting from the date the tender is opened.
5. After the tender has been opened, bidders are not allowed to make any changes or modifications to the proposal they submitted, nor can they withdraw themselves from the tender.
6. The company reserves the right to cancel the tender as a whole or in part if it finds a better alternative.
7. Bidders must submit both their financial proposal and technical documents separately, each in a different envelope.

Address-

- TISISAT WATER WORKS PLC
- Contract Administration & Business Development Department
- Block-1 Room No.10
- In front of Teddy Drivers Training center
- Maraki Kebele
- Atse Tewedrose Sub City
- Bahir Dar, Ethiopia
- Tel. 058-220-48-26



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4. Bill of quantities

Summary of LOT-2		
Bill No.	Description	Total Amount
Part I : Civil Works construction and Installation (ETB)		
9	Bill No 9:Water Points Four Faucet [No - 19]	
10	Bill No 10:Water Points Six Faucet [No - 4]	
	Total of Part I (ETB)	
	VAT (15%)	
	Total of Part I including 15% VAT	





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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
BOQ - No.9 Water Points Four Faucet (No - 19)					
1	EARTH WORK				
1.1	Site clearing and removing of top soil to average depth of 20 cm	m2	27.04		
1.2	Bulk excavation in ordinary soil not exceeding 150cm from reduced level	m3	8.84		
1.3	Cart away surplus excavated material to a distance not exceeding 1000 m.	m3	14.25		
1.4	25 cm thick hard-core filling	m2	17.64		
	Sub total				
2	MASONRY WORK				
2.1	Stone masonry bedded with mortar (1:4)				
	a) Water point seat (1.4mX1.4mX0.6m)	m3	1.18		
	b) For water point pillar (0.4mX0.4mX0.85m)	m3	0.14		
	c) Valve Chambers for water meter as per the drawing	m3	1.15		
	Sub total				
3	CONCRETE WORK				
3.1	15cm thick C-20 mass concrete in water point base and on the surface of hard core	m3	1.94		
3.2	Drainage base of bottom & edge	m3	0.72		
3.3	Ditto to 3.2 water point pillar, seating floor & valve chamber manhole floor	m3	0.11		
	Sub total				
4	Form work				
4.1	Provide cut and fix sawn zigba or steel form work with smooth internal face. For				
	a) For water point base	m2	7.02		
	b) For water point pillar and seating Floor	m2	0.54		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
5	FINISHING WORKS				
5.1	Three coats of plastering to internal walls of manhole, using 1:3 mortar	m2	2.4		
5.2	Pointing stone masonry walls of water point and drainage canal with rich mortar	m2	4.72		
5.3	2.5cm thick screeding mortar at the pot seat and around water point	m2	22.17		
	Sub total				
7	Steel Work				
7.1	Fix Manhole cover for water point as per the drawing with 4mm thick 900x900 mm metal sheet cover including all accessories	No	1		
	Sub total				
8	FENCE WORKS				
8.1	Erect fences with 2.5 mm thickness wire of 6 lines barbed wire 200mm and 400mm spacing the bottom 4 and upper 2 lines respectively with cross diagonal by angle iron (50mm*50mm*3mm and 2.10m height above OGL) & embedded in 50mm concrete around the pole to a depth of 500mm. including all necessary material and earth works	m	26		
8.2	Erect 1850x900mm gate of 30mm*30mm *3mm RHS c/c spaced at 10cm having three coats of antirust painting & complete with R.H.S. pole of 80mmx80mm*3mm, hinges and locks.	No	1		
	Sub total				
	Total Sum for One WP(1)				
	Total Sum for Nineteen(19)				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
BOQ No. 10 Water Points Six Faucet (No - 4)					
1	EARTH WORK				
1.1	Site clearing and removing of top soil to average depth of 20 cm	m2	30.16		
1.2	Bulk excavation in ordinary soil not exceeding 150cm from reduced level	m3	9.96		
1.3	Cart away surplus excavated material to a distance not exceeding 1000 m.	m3	15.99		
1.4	25 cm thick hard-core filling	m2	20.16		
	Sub total				
2	MASONRY WORK				
2.1	Stone masonry bedded with mortar (1:4)				
	a) Water point seat (1.4mX1.4mX0.6m)	m3	1.18		
	b) For water point pillar (0.4mX0.4mx0.85m)	m3	0.14		
	c) Valve Chambers for water meter as per the drawing	m3	1.15		
	Sub total				
3	CONCRETE WORK				
3.1	15cm thick C-20 mass concrete in water point base and on the surface of hard core	m3	2.27		
3.2	Drainage base of bottom & edge	m3	0.76		
3.3	Ditto to 3.2 water point pillar, seating floor & valve chamber manhole floor	m3	0.13		
	Sub total				
4	Form work				
4.1	Provide cut and fix sawn zigba or steel form work with smooth internal face. For				
	a) For water point base	m2	7.56		
	b) For water point pillar and seating Floor	m2	0.68		
	Sub total				



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It.No	DESCRIPTION	Unit	Qty	Unit Rate	Amount
5	FINISHING WORKS				
5.1	Three coats of plastering to internal walls of manhole, using 1:3 mortar	m2	2.4		
5.2	Pointing stone masonry walls of water point and drainage canal with rich mortar	m2	4.72		
5.3	2.5cm thick screeding mortar at the pot seat and around water point	m2	25.68		
	Sub total				
7	Steel Work				
7.1	Fix Manhole cover for water point as per the drawing with 4mm thick 900x900 mm metal sheet cover including all accessories	No	1		
	Sub total				
8	FENCE WORKS				
8.1	Erect fences with 2.5 mm thickness wire of 6 lines barbed wire 200mm and 400mm spacing the bottom 4 and upper 2 lines respectively with cross diagonal by angle iron (50mm*50mm*3mm and 2.10m height above OGL) & embedded in 50mm concrete around the pole to a depth of 500mm. including all necessary material and earth works	m	27.1		
8.2	Erect 1850x900mm gate of 30mm*30mm *3mm RHS c/c spaced at 10cm having three coats of antirust painting & complete with R.H.S. pole of 80mmx80mm*3mm, hinges and locks.	No	1		
	Sub total				
	Total Sum for One WP(1)				
	Total Sum for four WP(4)				
Attention to Notes:					
1	Masonry work includes minimum of 14 days of curing & concrete work includes minimum of 21 days of curing. (The main contractor shall provide all machinery and equipment required for water fetching, while the sub contractor shall supply the necessary manpower)				
2	Plastering work include 1st coat, 2nd coat, 3rd coat & 14 days of curing and also the difference in days from the first, second and the third round of plastering shall be in accordance with the building code. (The main contractor shall provide all machinery and equipment required for water fetching, while the sub contractor shall supply the necessary manpower)				
3	Rebar work includes Cutting, bending, fixing & tying				
4	All construction materials shall be supplied by Main contractor to the Maximum 30m radius distance of working area				
5	The ratio of composite materials for masonry & concrete works depend on mix design result.				



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LOT-3

1. SCOPE AND APPLICATION

The scope of the work in this bid document is Trench excavation and backfilling works for Pressure and gravity main line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project located at Awi Zone, Jawi Woreda and Kebtel Kebele.

Serial No.	Project Name	Project Duration (Months)	Procurement Type
1	Trench excavation and backfilling works for Pressure and gravity main line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project	4	NCB

Note: -NCB = National Competitive Bidding

Bid information and requirements

1. Bidders with a record of unsatisfactory performance in contracts previously awarded by the Company under subcontracting tenders shall not be eligible to participate in this open tender.
2. The work shall be implemented based on the attached Bill of Quantities (BOQ) & the main contractor and consultant directions and work orders by site books and official letters.
3. All terms & conditions shall be governed by the main contractor agreement of the project.
4. Prior to preparing their price offers, Bidders shall inspect/visit/ and be familiarized themselves with the existing site conditions of the Project.



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5. The construction material will be supplied by Main contractor to the maximum 30m radius of the working area.
6. All works will be carried out according to the working design and engineer's satisfaction.
7. Bidders, when preparing their unit rates, shall take into account that the rates include all necessary labor costs required for the execution of the work.
8. The bid shall remain open for only **nineteen (19)** consecutive days starting from the first date of announcement (04/12/2018 E.C) on Addis Zemen Newspaper. The bid will be closed on the **19th** day at 3:00 PM and will be opened on the same day at 3:30 PM in the presence of bidders or their legal representatives at the Contract Administration and Market Development Department, Office No. 10, at the company's head office located in Bahir Dar City, Atse Tewodros Sub-City, Maraki Kebele, in front of Teddy Drivers Training Institute..
9. If the bid closing and opening date falls on a non-working day, the bid shall be closed and opened on the next working day at the same time.
10. Bidders who attempt to interfere with or distort the bidding process during the bid opening shall be disqualified from the tender. Furthermore, they will not be allowed to participate in any future tenders conducted by the organization, and their bid security shall be forfeited.
11. Bidders must sign a contract agreement by fulfilling the performance bond of **10% or 30%** of the contract amount including VAT in an **unconditional bank guarantee or insurance**, respectively and other documents indicated under **bidders' required qualification and evaluation criteria's** within 5/Five/ calendar days since the issue date of an award letter to the bidder.





12. An awarded bidder that is not able to execute its works according to signed agreement construction periods without any legal justifications will be penalized an amount equal to **0.1%** of the contract amount for each delayed construction days but the maximum amount of penalty can't be exceeded **10%** of the contract amount.
13. Payment shall be made for only the accepted work and approval of both main contractor and consultants.
14. Advance payment- Not Applicable for this bid.
15. From each Payment of the sub-contractor a maximum of 5% amount of money shall be retained as retention money and repaid to the sub-contractor after project provisional acceptance time.
16. Bidders must start the construction work within 5 calendar days after agreement Signing.
17. Evaluation is to be carried out into two stages: first, Technical qualification responsiveness of Bidders and second, financial offer evaluation of Bidders.





2. Minimum Eligibility of the bidders

Eligibility and Qualification will be evaluated on Pass/Fail basis.

Eligibility of the bidder	Criteria	Document Submission requirement
Grade of Contractor	GC/WWC – Level 4 and above	Legal Document from responsible Government Organization
Bid Security	200,000 birr	CPO or Unconditional Bank Guarantee valid for 45 days
Valid trade license and business organization registration certificate	Having been submitted valid trade license and business organization registration certificate issued by the country of establishment	Legal Document from responsible Government Organization
VAT registration certificate	Having been submitted VAT registration certificate issued by the tax authority	Legal Document from responsible Government Organization
TIN registration certificate	Having been submitted TIN registration certificate issued by the tax authority	Legal Document from responsible Government Organization
Valid tax clearance certificate	Having been submitted valid tax clearance certificate issued by the tax authority	Legal Document from responsible Government Organization



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Financial Capabilities	Bidders shall be required to submit evidence of their recent financial capacity in the form of a bank statement or bank certificate issued by an authorized financial institution, with a minimum balance of ETB 500,000 (Five hundred thousand Ethiopian Birr). The submitted document must be verified as legally valid.	
Specific Construction Project Experience	The bidder shall have successfully and substantially ($\geq 70\%$) completed at least one project in water supply, irrigation and other water resources related works with a minimum amount of 3,000,000 ETB and shall submit written evidence confirming that the project was substantially/fully completed in accordance with the contract.	



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3. Additional requirements

Bidders are strictly required to meet the following requirements:

1. Eligibility documents shall be attached to the technical offer.
2. All pages of the documents shall be signed and sealed.
3. Bidders shall clearly and correctly fill the unit price and total price for each work item in the bill of quantities they submit, by hand writing, without leaving it unclear or ambiguous.
4. The price submitted by bidders during the tender must remain valid for at least 45 days starting from the date the tender is opened.
5. After the tender has been opened, bidders are not allowed to make any changes or modifications to the proposal they submitted, nor can they withdraw themselves from the tender.
6. The company reserves the right to cancel the tender as a whole or in part if it finds a better alternative.
7. Bidders must submit both their financial proposal and technical documents separately, each in a different envelope.

Address-

- TISISAT WATER WORKS PLC
- Contract Administration & Business Development Department
- Block-1 Room No.10
- In front of Teddy Drivers Training center
- Maraki Kebele
- Atse Tewedrose Sub City
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4. Bill of quantities

Summary of LOT-3		
Bill No.	Description	Total Amount
Part II: Earth work for installation of Pipes and Fittings (ETB)		
13	Bill No:13 Pressure Main Pipe & Fitting Installation Work From BH to Kebele reservoir	
16	Bill No:16 Gravity Main Pipe & Fitting Installation Work Kebele reservoir to Zenezen reservoir	
	Total for Part II (ETB)	
	VAT (15%)	
	Total for Part II including 15% VAT	



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Item	Description	Unit	Qty	Unit Rate	Amount
BOQ No. 13 Earth work for Pressure Main Pipe laying work From BH to Kebtele reservoir(300MCR)					
	A/ Civil Work and Supply & Installation of pressure Main Line				
1	Earth work				
1.1	Pipe trench excavation for Normal Soil [0.9m*0.6m]	m3	2,304.98		
1.2	Ditto to 1.1 but soft rock Excavation	m3	432.16		
1.3	Ditto to 1.1 but Hard rock Excavation	m3	144.06		
1.4	Back fill & compact with Normal soil	m3	2,421.92		
1.5	Back fill & compact 20 cm bed and 20 cm cover selected material for Soft and Hard rock	m3	256.1		
	Total				
BOQ No.16 Earth work for Gravity Main Pipe Laying Work From Kebtele 300m3 S.R to Zenzen 100m3 SR					
	A/ Civil Work and Installation of gravity Main				
1	Earth work				
1.1	Pipe trench excavation for Normal Soil [0.9m*0.6m]	m3	3,136.32		
1.2	Ditto to 1.1 but soft rock Excavation	m3	588.06		
1.3	Ditto to 1.1 but Hard rock Excavation	m3	196.02		
1.4	Back fill & compact with Normal soil	m3	3,136.32		
1.5	Back fill & compact 20 cm bed and 20 cm cover selected material for Soft and Hard rock	m3	348.48		
	Total				



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LOT-4

1. SCOPE AND APPLICATION

The scope of the work in this bid document is Trench excavation and backfilling works for Distribution line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project located at Awi Zone, Jawi Woreda and Kebedel Kebele.

Serial No.	Project Name	Project Duration (Months)	Procurement Type
1	Trench excavation and backfilling works for Distribution line installation of Pipes and Fittings for Kebele Town Water Supply expansion Project	4	NCB

Note: NCB = National Competitive Bidding

Bid information and requirements

1. Bidders with a record of unsatisfactory performance in contracts previously awarded by the Company under subcontracting tenders shall not be eligible to participate in this open tender.
2. The work shall be implemented based on the attached Bill of Quantities (BOQ) & the main contractor and consultant directions and work orders by site books and official letters.
3. All terms & conditions shall be governed by the main contractor agreement of the project.
4. Prior to preparing their price offers, Bidders **shall inspect/visit/ and be familiarized themselves** with the existing site conditions of the Project.



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5. The construction material will be supplied by Main contractor to the maximum 30m radius of the working area.
6. All works will be carried out according to the working design and engineer's satisfaction.
7. Bidders, when preparing their unit rates, shall take into account that the rates include all necessary labor costs required for the execution of the work.
8. The bid shall remain open for only **nineteen (19)** consecutive days starting from the first date of announcement (04/12/2018 E.C) on Addis Zemen Newspaper. The bid will be closed on the **19th** day at 3:00 PM and will be opened on the same day at 3:30 PM in the presence of bidders or their legal representatives at the Contract Administration and Market Development Department, Office No. 10, at the company's head office located in Bahir Dar City, Atse Tewodros Sub-City, Maraki Kebele, in front of Teddy Drivers Training Institute.
9. If the bid closing and opening date falls on a non-working day, the bid shall be closed and opened on the next working day at the same time.
10. Bidders who attempt to interfere with or distort the bidding process during the bid opening shall be disqualified from the tender. Furthermore, they will not be allowed to participate in any future tenders conducted by the organization, and their bid security shall be forfeited.
11. Bidders must sign a contract agreement by fulfilling the performance bond of **10% or 30%** of the contract amount including VAT in an **unconditional bank guarantee or insurance**, respectively and other documents indicated under **bidders' required qualification and evaluation criteria's** within 5/Five/ calendar days since the issue date of an award letter to the bidder.





12. An awarded bidder that is not able to execute its works according to signed agreement construction periods without any legal justifications will be penalized an amount equal to 0.1% of the contract amount for each delayed construction days but the maximum amount of penalty can't be exceeded 10% of the contract amount.
13. Payment shall be made for only the accepted work and approval of both main contractor and consultants.
14. Advance payment- Not Applicable for this bid.
15. From each Payment of the sub-contractor a maximum of 5% amount of money shall be retained as retention money and repaid to the sub-contractor after project provisional acceptance time.
16. Bidders must start the construction work within 5 calendar days after agreement Signing.
17. Evaluation is to be carried out into two stages: first, Technical qualification responsiveness of Bidders and second, financial offer evaluation of Bidders.





2. Minimum Eligibility of the bidders

Eligibility and Qualification will be evaluated on Pass/Fail basis.

Eligibility of the bidder	Criteria	Document Submission requirement
Grade of Contractor	GC/WWC – Level 4 and above	Legal Document from responsible Government Organization
Bid Security	200,000 birr	CPO or Unconditional Bank Guarantee valid for 45 days
Valid trade license and business organization registration certificate	Having been submitted valid trade license and business organization registration certificate issued by the country of establishment	Legal Document from responsible Government Organization
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Financial Capabilities	Bidders shall be required to submit evidence of their recent financial capacity in the form of a bank statement or bank certificate issued by an authorized financial institution, with a minimum balance of ETB 500,000 (Five hundred thousand Ethiopian Birr). The submitted document must be verified as legally valid.	
Specific Construction Project Experience	The bidder shall have successfully and substantially ($\geq 70\%$) completed at least one project in water supply, irrigation and other water resources related works with a minimum amount of 3,000,000 ETB and shall submit written evidence confirming that the project was substantially/fully completed in accordance with the contract.	



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3. Additional requirements

Bidders are strictly required to meet the following requirements:

1. Eligibility documents shall be attached to the technical offer.
2. All pages of the documents shall be signed and sealed.
3. Bidders shall clearly and correctly fill the unit price and total price for each work item in the bill of quantities they submit, by hand writing, without leaving it unclear or ambiguous.
4. The price submitted by bidders during the tender must remain valid for at least 45 days starting from the date the tender is opened.
5. After the tender has been opened, bidders are not allowed to make any changes or modifications to the proposal they submitted, nor can they withdraw themselves from the tender.
6. The company reserves the right to cancel the tender as a whole or in part if it finds a better alternative.
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4. Bill of quantities

Summary of LOT-4		
Bill No.	Description	Total Amount
Part II: Earth work for installation of Pipes and Fittings (ETB)		
22	Bill No 22 Distribution Line pipe & Fitting Installation Work for Gonji Kebele	
25	Bill No:25 Distribution Line Pipe & Fitting Installation Work for Kebele Kebele	
	Total for Part II (ETB)	
	VAT (15%)	
	Total for Part II including 15% VAT	





Item	Description	Unit	Qty	Unit Rate	Amount
BOQ No.22 Earth work for Distribution Line for Gonji Kebele					
Part-A: Civil Work & Installation of Distribution pipe and Fittings					
1	Earth work				
1.1	Pipe trench excavation for Normal Soil [0.8m*0.6m]	m3	1,388.93		
1.2	Ditto to 1.1 But Soft rock Excavation	m3	260.42		
1.3	Ditto to 1.1 But Hard rock Excavation	m3	86.81		
1.4	Back fill & compact by excavated material	m3	1,736.16		
	Total				
BOQ No. 25 Earth work for Distribution Line for Kebtele Kebele					
Part-A) Civil Work and Installation of Distribution pipe and Fittings					
1	Earth work				
1.1	Pipe trench excavation for Normal Soil [0.8m*0.6m]	m3	2,162.69		
1.2	Ditto to 1.1 But Soft rock Excavation	m3	405.5		
1.3	Ditto to 1.1 But Hard rock Excavation	m3	135.17		
1.4	Back fill & compact by excavated material	m3	2,703.36		
	Total				



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