Registered with AD

E-mail : sephcthrissur@gmail.com
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KERALA WATER AUTHORITY

No. KWA/PHC/TSR/D5/2435/2022

Office of the Superintending Engineer,
Public Health Circle, High road,
Sakthan Thampuran Nagar,
Thrissur, Kerala.

Dated: 28.06.2022

From

The Superintending Engineer.

To

Sri. Mohammed Ali
Thadathil house,
Kanayam Post,
Shornur – 679121

Sir,

Sub: Jala Jeevan Mission - 2021-22 - Augmentation of WSS to Nattika Firka - Phase II - Providing distribution network and FHTC to Valappad Panchayath - Work order with accepted schedule forwarding -reg.

Ref: 1. This office -E-Tender No.72/SE/PHC/TSR/2021-22.
2. Order no. KWA/CE/CR/JJM/TSR/D3/72/2022, Dated – 24.06.2022 of the Chief Engineer, Central Region, Kochi - 11

With reference to the above, you are informed that your tender for the above work has been accepted for an amount of **Rs. 11,31,37,313/- (Rupees Eleven Crore Thirty One Lakhs Thirty Seven Thousand Three Hundred & Thirteen only)** (without GST) . You are requested to attend this office on or before 12.07.2022 with the stamp paper worth **Rs.1,00,000/-** and security deposit mentioned below and execute the agreement and start the above work within a week after getting necessary instructions from the Executive Engineer, Project Division, Kerala Water Authority, Nattika.

Before executing the agreement on stamp paper, you should deposit an amount of **Rs.33,94,500/-**(Rupees Thirty Three Lakhs Ninety Four Thousand and Five Hundred only) of which 50% ie, **Rs.16,97,250/-** (Rupees Sixteen Lakhs Ninety Seven Thousand Two Hundred and Fifty only) should be deposited in the form of **Treasury Fixed Deposit** and rest in the form of Bank Guarantee or any other forms prescribed in the revised PWD manual and the above documents shall be duly pledged in favour of the Superintending Engineer, P.H.Circle, Kerala Water Authority, Thrissur as security deposit for the fulfillment of the contract.

Any failure of this direction will result in forfeiture of your earnest money and cancellation of the contract. The contractor shall be liable to pay the entire loss that may be caused to KWA on rearrangement of the work or otherwise consequent on the contractor's failure to execute the agreement or execute the work as provided for in clause no.7.22 of Notice

Inviting Tenders and all such losses shall be recovered from you under provisions of Revenue Recovery Act or otherwise.

It must be understood that on no account, rates once fixed will be increased.

The work should be completed within 12 (Twelve) months showing proportionate progress from the date of this order. During actual execution if extension of time is found unavoidable the application is to be prepared well in advance explaining the ground with a program for completion (in duplicate - one directly to superintending Engineer and the other through proper Channel with remarks of officers)

All terms and conditions of the Notice Inviting Tenders and tender shall be binding on the contractor.

The contractor should execute the item "providing FHTCs in JJM works", through any licensed plumber from the empanelled list published by KWA based on the judgment of Hon. High Court, in WP(C)18399 dated, 11.02.2022 as per the compliance order of the Managing Director, No: KWA/JB/P6/JJM-Legal/2020, dated 26.04.2022.

Yours faithfully,

SUPERINTENDING ENGINEER

Acc : i) Accepted schedule
ii) Empanelled list of plumbers (through e_mail)

Copy submitted to the Chief Engineer, Central Region, KWA, Kochi for favour of information.

Copy submitted to the FM & Chief Accounts Officer, KWA, Thiruvananthapuram for favour of information.

Copy submitted to the RAO, Kerala Water Authority, Thiruvananthapuram for favour of information.

Copy forwarded to the Executive Engineer, P H Division, Irinjalakkuda for necessary action..

Copy forwarded to the Executive Engineer, Project Division, Nattika for necessary action..

Copy forwarded to the Assistant Executive Engineer, P H Sub Division, Nattika for necessary action.

Copy forwarded to the Assistant Engineer, P H Section, Vatanappally for necessary action.

KERALA WATER AUTHORITY, PH CIRCLE, THRISSUR

Work Name: Jala Jeevan Mission - 2021-22 - Augmentation of WSS to Nattika Firka - Phase II - Providing distribution network and FHTC to Valappad Panchayath

ACCEPTED SCHEDULE

Sl. No.	Item Description	Quantity	Units	Estimated Rate		TOTAL AMOUNT
				Figures	words	
1	**Providing distribution network and FHTC**					
1.01	**Distribution Strengthening** Supplying PE pipe PE 100, PN8, 160 mm - 20248m, PE pipe PE 100, PN8, 140 mm - 267m, PE pipe PE 100, PN8, 110 mm - 2136m, PE pipe PE 100, PN8, 90 mm - 65324m (PE pipes conforming to IS 4984/2016), uPVC pipe, 75 mm (6kg/cm2) - 10924m, uPVC pipe, 63 mm (6kg/cm2) - 6589m, uPVC pipe, 50 mm (6kg/cm2) - 1974m (uPVC pipes conforming to IS 4985/2000), 150 mm GI Pipe (M) - 300m, 125 mm GI Pipe (M) - 12m, 100 mm GI Pipe (M) - 36m, 80 mm GI Pipe (M) - 900m, 65 mm GI Pipe (M) - 162m, 50 mm GI Pipe (M) - 126m, 40 mm GI Pipe (M) - 30m, 150mm CI D/F sluice valve with hand wheel PN 1.6 - 10nos., 100mm CI D/F sluice valve with hand wheel PN 1.6 - 2nos., 80mm CI D/F sluice valve with hand wheel PN 1.6 - 42nos. 80mm CI D/F sluice valve with cap PN 1.0 - 10nos. (Sluice valves conforming to IS 14846-2000), 65mm gun metal gate valve with CI wheel - 7nos, 50mm gun metal gate valve with CI wheel - 4nos, 40mm gun metal gate valve with CI wheel - 2nos, 25mm CI air valve, Single orifice, small orifice Type S1- 35 nos (Air valves conforming to IS 14848-2000), including all specials like reducers, tail pieces, bends, tees, couplings, DI/MJ collar, etc. complete required for the satisfactory completion of the work as per the direction of Departmental Officers in Charge and scope of work and conveying, laying, fixing, cutting, jointing (flanged /electro-fusion joints), testing, commissioning, maintaining (PVC/PE pipe/valves and specials) according to the alignment, dismantling RR/concrete structures, other hurdles if any on the alignment and reconstructing the same after construction as per direction of the departmental officers in charge, including excavating trenches in all kinds of soil and refilling the trenches after laying with consolidating each layer, cutting the bituminous / concrete roads with cutting machine for pipe lines, dismantling manually/by mechanical means including stacking of serviceable material and disposal unserviceable materials as directed, fencing, close tibmering, providing flanged joints and testing, testing PVC/PE/GI pipes with potable water to required test pressure, dismantling and reconstructing RR masonry in CM of culvert/retaining wall, demolishing RCC work manually/by mechanical means including stacking of steel bars and disposal of unserviceable materials, taking connection from existing line, providing protection tube for sluice valves & air valves, construction of granular sub-bade by providing close graded materials conforming to specifications etc complete as per the direction of departmental officers in charge and scope of work. **Construction of Valve chambers - 10 Nos.** Construction of Valve Chambers of suitable size including earth work excavation in all kinds of soil, providing and laying in position cement concrete upto plinth level in CC 1:3:6, providing and laying in position RCC upto plinth level in RCC 1:1.5:3 for cover slab, providing and laying in position RCC upto plinth level in CC 1:2:4 for base slab,side wall etc., centering, shuttering, strutting, propping, removal of form etc for base slab, side wall, cover slab etc. complete. including cost of steel reinforcement of TMT grade Fe-500D or more including straightening, cutting, bending, placing in position and binding etc. for RCC works, Plastering 12mm thick the base slab, side walls, cover slab with cement mortar 1:4 etc. complete required for the completion of the work as per the direction of departmental officers in charge and scope of work.	1	JOB	96337313.00	INR Nine Crore Sixty Three Lakh Thirty Seven Thousand Three Hundred & Thirteen Only	96337313.00

	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC /HDPE mains up to 200 mm dia - 2799 nos. up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil, Cutting the bituminous / concrete roads with cutting machine for pipe lines, Dismantling bituminous road by manually or mechanical means for providing water service connection and disposing the materials including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of all materials and labour charges etc., Providing and laying additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe - 13995m. and specials and testing the joints etc., by trenching and refilling in all kinds of soil including all charges, Providing 15mm PVC Tap - 2799nos in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of all materials and labour charges, Providing 20mm (1/2 inch) PVC Air Valve - 2799nos. in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of all materials and labour charges including excavating trenches and refilling the trenches after laying with consolidating each layer etc. Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled materials, Providing and laying in position CC 1:3:6 for road restoration, etc complete for the satisfactory completion of the work as per the direction of departmental officers in charge and scope of work	1	JOB	14150000.00	INR One Crore Forty One Lakh Fifty Thousand Only	14150000.00
1.03	**Street Main Extension** Supplying 63mm PVC pipe 6kg/cm2 - 1000m, 50mm PVC pipe 6kg/cm2 - 1500m with all the specials etc. complete required for the satisfactory completion of the work as per the direction of departmental Officers in Charge and scope of work and conveying, laying, fixing, jointing, testing, commissioning, maintaining (PVC pipe and specials) according to the alignment, dismantling RR/concrete structures, other hurdles if any on the alignment and reconstructing the same after construction as per direction of the departmental officers in charge, including excavating trenches in all kinds of soil and refilling the trenches after laying with consolidating each layer, fencing, testing pipes with potable water to required test pressure, taking connection from existing line etc. including all charges of loading, transporting, unloading etc. complete as per the direction of departmental officers in charge and scope of work.	1	JOB	400000.00	INR Four Lakh Only	400000.00
1.04	**Strengthening of OHSR** Strengthening of existing OHSR including clearing jungle, washing OHSR/GLSR using bleaching powder, PU injection - holes drilled on the wall/ceiling whatever cracks observed and polyurethene grout is injected to holes with a guarantee of 10 years against any leackage, providing water proofing material in whole surface of the floor & side wall of the tank inproportion, dismantling old plaster or skirting raking out joints and cleaning the surface including disposal of rubbish, repairs to plaster of thickness 12mm to 20mm in patches in CM 1:4, providing and fixing double scaffolding system (cup lock type) on the exterior side including all charges, supplying and fixing mechanical water level indicator- 1no etc. including all charges of loading, transporting, unloading etc. complete as per the direction of departmental officers in charge and scope of work.	1	JOB	850000.00	INR Eight Lakh Fifty Thousand Only	850000.00

1.00	**NH Crossing works by HDD method - 46m.** Supplying 160mm PE pipe PE100 PN10 conforming to IS 4984/2016 - 46m, 160mm uPVC pipe 6kg/cm2 conforming to IS 4985/2000 - 150m, 150mm CI D/F sluice valve with cap PN 1.6 conforming to IS 14846/2000 - 2nos with all the specials etc complete required for the satisfactory completion of the work as per the direction of departmental Officers in Charge and scope of work and conveying, laying, fixing, jointing, testing, commissioning, maintaining (PVC/PE pipe and specials) according to the alignment, dismantling RR/concrete structures, other hurdles if any on the alignment and reconstructing the same after construction as per direction of the departmental officers in charge, including dismantling bituminous road manually/by mechanical means including stacking of serviceable material and disposal unserviceable materials as directed, demolishing stone rubble masonry manually/by mechanical means including stacking of serviceable material and disposal unserviceable materials as directed, creation of 400mm dia reamer hole and pulling 160mm dia HDPE pipe using HDD methode including all charges- 46m., bentonite arrangement for execution of HDD works at site, disposal and removing of used (spent) bentonite slurry out flowing through drilled holes by lorry, sealing of holes in manholes after HDD laying etc. with suitable adhesive material and making water tight, fencing, providing steel sheet shoring to the sides of the trenches, bailing out water, engaging coolie for bailing out/controlling traffic etc, laying HDPE pipe using electro-fusion welding, joining 160mm HDPE pipe with 160mm PVC pipe in trenches to lines and levels using flanged joint, fabricating MS pipes/specials of size 300mm (ID) using 8mm thick MS plate including all charges with cutting, grinding, welding etc., applying priming coat with ready mixed re oxide zinc chromate primer of approved brand, coal tarring two coats on new work as per specification, caution board for executing HDD work, excavating trenches in all kinds of soil and refilling the trenches after laying with consolidating each layer for pipe laying and HDD work for a depth up to 6m., fencing, earth work excavation by mechanical/manual means including disposal of excavated earth in all kinds of soil for a depth upto 6m., providing and laying in position CC 1:3:6, Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS: 10910 on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mm x 25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufactures permanent identification mark to be visible even after fixing including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size)Complete as per design, filling available excavated earth (excluding rock) in trenches with consolidating each layer, supply, stacking, spreading and consolidating of quarry muck in the trench of pipe line, removal of excess earth by lorry, etc. including all charges of loading, transporting, unloading etc. complete as per the direction of departmental officers in charge and scope of work. **Construction of Valve chambers - 2 Nos.** Construction of Valve Chambers of suitable size including earth work excavation in all kinds of soil, providing and laying in position cement concrete upto plinth level in CC 1:3:6, providing and laying in position RCC upto plinth level in RCC 1:1.5:3 for cover slab, providing and laying in position RCC upto plinth level in CC 1:2:4 for base slab,side wall etc., centering, shuttering, strutting, propping, removal of form etc for base slab, side wall, cover slab etc. complete. including cost of steel reinforcement of TMT grade Fe-500D or more including straightening, cutting, bending, placing in position and binding etc. for RCC works, Plastering 12mm thick the base slab, side walls, cover slab with cement mortar 1:4 etc. complete required for the completion of the work as per the direction of departmental officers in charge and scope of work.	1	JOB	1400000.00	INR Fourteen Lakh Only	1400000.00
						113137313.00

Total in Figures **Eleven Crore Thirty One Lakh Thirty Seven Thousand Three Hundred & Thirteen Only**

SUPERINTENDING ENGINEER