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KERALA WATER AUTHORITY

**Office of the Superintending Engineer,
P.H.Circle, Kalmandapam, Palakkad.**

No. KWA/PHC/PKD/JJM/21-22/Kappur /Phase III

Dated: 26.05.2022

From

Superintending Engineer

To

Sri. Dil M Govind,
Maratt house, Kizhoor(PO),
Kunnamkulam
Thirussur

Sir

Sub:- Jal Jeevan Mission - 2021-22 – Providing FHTCs (180 Nos) and supplying, laying, testing, commissioning and maintenance of distribution system in Kappur Panchayath- work order issuing – reg.

- Ref:- 1. Tender No.04/22-23/SE/PHC/PKD dated. 21.04.2022
2. Proceedings No.KWA/CE/NR/D11-26808/2022/JJM dated 20.05.2022 of the Chief Engineer, Northern Region, KWA, Kozhikkode
3. GO(P) No. 429/15/Fin dated Thiruvananthapuram 28.09.2015.

With reference to the above, you are informed that your tender for the above work has been accepted at an amount of Rs 3,28,35,272/- (Rupees Three Crore Twenty Eight Lakh Thirty Five Thousand Two hundred and seventy Two only) at quoted PAC which is 8.74% below the tendered PAC of Rs. 3,59,79,917.09/- (excluding 18% GST). You are requested to attend this office on or before 07.06.2022 with stamp paper worth Rs.32850/- (Rupees Thirty Two Thousand Eight Hundred and Fifty only) 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, P.H Division, Shornur.

Before executing the agreement on stamp paper ,you should deposit an amount of Rs. 985100/- (Rupees Nine Lakh Eighty Five Thousand One Hundred only) ie, 3% of agreed PAC as performance guarantee. At least 50% of this amount shall be furnished in the form of Treasury fixed deposit duly pledged in favour of the Superintending Engineer, PH. Circle, Kerala Water Authority, Palakkad and rest shall be in the form of guarantee issued from any Nationalized Bank or Scheduled Bank or Kerala Financial Corporation or any other forms prescribed in the PWD manual as security for the fulfilment of the contract.

The judgment dated 11.02.2022 of the Hon'ble High Court of Kerala in WP(c) Nos.



18234 & 18399 of 2020 will be applicable to this work. The connections shall only be provided through the licensed Plumbers in the list attached with the tender and the numbers of connections have to be distributed in such a way that each plumber can get an equitable number of connections. The Circular No KWA/JB/P6/JJM – Legal/2020 Dated 13.04.2022 of the Managing Director, KWA, shall be complied with in this regard.

Any failure in executing the agreement will result in further action as per NIT conditions. The work should be completed within 6 (six) months from the date of award of the work.

Yours faithfully,

Rajagopalan E V
Superintending Engineer

Copy To

- *Chief Engineer (NR), Kozhikkode
- *Finance Manager & Chief Accounts officer, Jalabhavan, KWA, Thiruvananthapuram.
- * RAO, KWA, Thiruvananthapuram.
- * Agreement.
- * Executive Engineer, P.H. Division, Shornur.
- * M/s. CIPET, You are directed to test the pipes as per supply order.

Encl:

Accepted schedule



ACCEPTED SCHEDULE

Tender Inviting Authority:Superintending Engineer, P.H. Circle, Palakkad.

Name of Work:JalJeevan Mission 2021-22 – Suppling, laying, testing, commissioning and maintenance of distribution system and Providing FHTCs (180 Nos) in KappurPanchayath – Phase III

Contract No: 04/22-23/ SE/PHC/PKD dated.21.04.2022

Name of the Bidder/ Bidding		PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)					
NUMBER	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #	
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words	
1	2	4	5	6	53	55	
1.001	<p>Providing FHTCs with 20mm PE Pipe</p> <p>Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, 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 up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, 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, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.</p>	180.000	Nos	6972.64	1255075.20	INR Twelve Lakh Fifty Five Thousand & Seventy Five and Paise Twenty Only	



1.002	Providing additional length of house connection pipe using 20 mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN16 specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.	6300.000	metre	175.47	1105461.00	INR Eleven Lakh Five Thousand Four Hundred & Sixty One Only
1.003	Providing 15mm (1/2 inch) GM Air Valve in the water meter assembly for 15mm water connection, using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	40.000	Nos	991.67	39666.80	INR Thirty Nine Thousand Six Hundred & Sixty Six and Paise Eighty Only
1.004	Providing 15mm PVC Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.	180.000	Nos	568.71	102367.80	INR One Lakh Two Thousand Three Hundred & Sixty Seven and Paise Eighty Only
1.005	Providing Vertical Stand post using 75 mm 6kg PVC pipe for FHTC's, including cutting, filling cement concrete, fixing in position etc including necessary earthwork excavation for fixing stand post etc complete as per the direction of dept officers.	180.000	No	453.53	81635.40	INR Eighty One Thousand Six Hundred & Thirty Five and Paise Forty Only
1.006	Cost of Geo Tagging	180.000	No	20.00	3600.00	INR Three Thousand Six Hundred Only
2	Street Main Extension					
2.001	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :All kinds of soil (Ref. Item No. 2:10.1 of DSR)	9600.000	cum	552.07	5299872.00	INR Fifty Two Lakh Ninety Nine Thousand Eight Hundred & Seventy Two Only



2.002	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m. "Ordinary Rock. (Ref. Item No. 2.13.1 of DSR)	2400.000 cum	801.76	1924224.00	INR Nineteen Lakh Twenty Four Thousand Two Hundred & Twenty Four Only
2.003	Fencing one side of trenches, 1.50 m height with two rows of 10 cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2 m intervals. (Data Prepared based on PWD SDB - Item No.1009)	1000.000 metre	27.89	27890.00	INR Twenty Seven Thousand Eight Hundred & Ninety Only
2.004	"Laying HDPE pipes (IS : 4984) on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings. 90 mm OD HDPE pipe"	18000.000 metre	92.71	1666780.00	INR Sixteen Lakh Sixty Eight Thousand Seven Hundred & Eighty Only
2.005	Laying HDPE pipes (IS : 4984) on land portion including conveying within initial lead and aligning the pipes, electro-fusion welding using automatic or semi automatic electrofusion machines, testing the pipe line thus fabricated to suit the hydraulic working pressure and after testing , aligning the pipeline, lowering the pipe in position into the trenches already made, testing the line to suitable pressure with potable water before back filling and leveling the trenches including all labour charge, hire for appliances etc. complete but excluding cost of pipe and fittings. 110 mm OD HDPE pipe NEW DATA	5000.000 metre	125.72	628600.00	INR Six Lakh Twenty Eight Thousand Six Hundred Only
2.006	Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 80 mm dia nominal bore Data derived from item no.18.12.8 of DAR Data for 10 m	2000.000 metre	207.31	414620.00	INR Four Lakh Fourteen Thousand Six Hundred & Twenty Only
2.007	Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. but excluding cost of pipes and fittings - External work. 100 mm dia nominal bore Observed Data derived from item no.18.12 of DAR	1000.000 metre	233.72	233720.00	INR Two Lakh Thirty Three Thousand Seven Hundred & Twenty Only



2.008	Cutting the bituminous / concrete roads with cutting machine for a minimum depth of 200mm along the sides of proposed alignment of the pipe to be laid without causing any damage to other utilities, including the charges for hire and conveyance of tools and plant, cost of consumables and charges for lighting, watching, ribbon fencing, caution boards, traffic diversion, and as per the direction of departmental officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.	17400.000	metre	30.25	526350.00	INR Five Lakh Twenty Six Thousand Three Hundred & Fifty Only
2.009	"Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :80 mm diameter. Class I"Observed Data derived from item no.18.31.of DAR	16.000	Nos	584.34	9349.44	INR Nine Thousand Three Hundred & Forty Nine and Paise Forty Four Only
2.01	"Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) :100 mm diameter. Class I"Data derived from item no.18.31.1.of DAR	6.000	Nos	881.06	5286.36	INR Five Thousand Two Hundred & Eighty Six and Paise Thirty Six Only
2.011	Conveying and fixing C I Single acting Air Valve of approved quality with bolts,nuts,rubber insertions etc . excluding the cost of air valve(the tail pieces if required will be paid separately): 40 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	28.000	Nos	175.58	4916.24	INR Four Thousand Nine Hundred & Sixteen and Paise Twenty Four Only
2.012	Interconnection from existing line to the newly laid line using all required specials,earth work etc: as per the directions of department officers	42.000	No	808.00	33936.00	INR Thirty Three Thousand Nine Hundred & Thirty Six Only
2.013	Construction of Identification block(size 75cm X 25cm X 10cm) with RCC m20 mix including providing reinforcement and over plastering with CM 1:4 .12mm thick one coat and printing letters with mould and fixing the block in the pipe line including cost of all materials etc complete	48.000	No	883.45	42405.60	INR Forty Two Thousand Four Hundred & Five and Paise Sixty Only
3	Cost of materials					
3.001	Supply of PE Pipe, PE100, PN10, 90mm dia, conforming to IS 4984/2016.	18000.000	metre	267.15	4808700.00	INR Forty Eight Lakh Eight Thousand Seven Hundred Only
3.002	Supply of PE Pipe, PE100, PN10, 110mm dia, conforming to IS 4984/2016.	5000.000	metre	392.60	1963000.00	INR Nineteen Lakh Sixty Three Thousand Only
3.003	Supply of 80mm GI pipe (M)	2000.000	metre	790.39	1580780.00	INR Fifteen Lakh Eighty Thousand Seven Hundred & Eighty Only



3.004	Supply of 100mm GI (medium) pipe	1000.000	metre	1016.02	1016020.00	INR Ten Lakh Sixteen Thousand & Twenty Only
3.005	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	16.000	No	3131.05	50096.80	INR Fifty Thousand & Ninety Six and Paise Eighty Only
3.006	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	6.000	No	4186.85	25121.10	INR Twenty Five Thousand One Hundred & Twenty One and Paise Ten Only
3.007	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.	28.000	No	1421.70	39807.60	INR Thirty Nine Thousand Eight Hundred & Seven and Paise Sixty Only
3.008	Supply of Specials for PE pipes (5% cost of PE pipe)	6771700.000	L.S	0.05	338585.00	INR Three Lakh Thirty Eight Thousand Five Hundred & Eighty Five Only
3.009	Supply of specials for the above GI pipe (5% of cost of pipe)	2760880.000	L.S	0.05	138044.00	INR One Lakh Thirty Eight Thousand & Forty Four Only
4						
4.001	LSGD ROAD RESTORATION Supply ,stacking,spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading ,unloading & stacking up to any lead.	540.000	cum	546.31	295007.40	INR Two Lakh Ninety Five Thousand & Seven and Paise Forty Only
4.002	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete	405.000	cum	8002.47	3241000.35	INR Thirty Two Lakh Forty One Thousand and Paise Thirty Five Only
4.003	Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in- Charge.With material conforming to Grade - III (size range 26.5 mm to 0.075 mm) having CBR Value - 20	900.000	cum	2894.83	2605347.00	INR Twenty Six Lakh Five Thousand Three Hundred & Forty Seven Only



4.004	Providing , laying spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including pre mixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub - base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer - in- Charge.	900.000 cum	3089.88	2780892.00	INR Twenty Seven Lakh Eighty Thousand Eight Hundred & Ninety Two Only
4.005	51.16.PC.1 Primer Coat - Bitumen Emulsion (SS-1) Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502(low porosity).	6000.000 sqm	66.68	400080.00	INR Four Lakh & Eighty Only
4.006	51.16.31.1.3. Tack Coat - RS Bitumen Emulsion Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	12000.000 sqm	14.21	170520.00	INR One Lakh Seventy Thousand Five Hundred & Twenty Only
4.007	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately).With Refinery Modified Bitumen CRMB 55 conforming to IRC:SP:53 - 1999	12000.000 sqm	259.93	3119160.00	INR Thirty One Lakh Nineteen Thousand One Hundred & Sixty Only
Total in Figures					INR Three Crore Fifty Nine Lakh Seventy Nine Thousand Nine Hundred & Seventeen and Paise Nine Only
ACCEPTED AMOUNT					INR Three Crore Twenty Eight Lakh Thirty Five Thousand Two Hundred & Seventy Two and Paise Thirty Four Only
ACCEPTED AMOUNT					INR Three Crore Twenty Eight Lakh Thirty Five Thousand Two Hundred & Seventy Two and Paise Thirty Four Only

CONTRACTOR

SUPERINTENDING ENGINEER