



'ഭരണഭാഷ - മാതൃഭാഷ'  
Tel : 0495 - 2371046

### കേരള ജല അതോറിറ്റി

സുപ്രണ്ടിംഗ് എഞ്ചിനീയറുടെ കാര്യാലയം,  
പി.എച്ച്. സർക്കിൾ, കോഴിക്കോട്,  
മലപ്പുറം പി.ഒ,  
പിൻ - 673009.

No. 1924/D5/2022/PHC-KKD

Dated: 22.09.2022

From

Superintending Engineer

To

KT.Manoj,  
Keecheri House,  
Nenmenikunnu,  
Sulthan Bathery,  
Wayanad,  
Kerala 673595

Sir

Sub:- JJM Phase II - CWSS to Sulthan Bathery Municipality Noolpuzha and Muttill Panchayaths in Wayanad Phase 3 - Extending distribution line and providing FHTC in NOOLPUZHA GP (4thSWSM 4969 FHTC) –Work Order issued- Reg:-

- Ref:- 1. AS No: G.O.(Rt)No.134/2022/WRD dated 23.02.22 for Rs. 6636.00 Lakhs
- 2. TS No: Reg .No. 9526/2022-2023 dt. 08.07.2022 of the CE, NR for Rs. 2430.00 Lakhs.
- 3. Tender No. SE/PHC/KKD/13/2022-23 dt.12.07.2022
- 4.OrderNo:KWA/CENR/D1W/JJMPH2/FHTC/NOOLPUZHA PT Dtd:19 /09/2022 of the Chief Engineer(NR), KWA, Kozhikode

With reference to the above, you are hereby informed that your tender for the above work is accepted at an amount of **Rs.19,98,83,227.48. (Rupees Nineteen Crore Ninety Eight Lakh Eighty Three Thousand Two Hundred and Twenty Seven and Forty Eight Paise only)** which is **6.14%** below the Tendered PAC of **₹ 21,29,68,413/-**.

You are directed to attend this office on or before **06/10/2022** with required Kerala Stamp paper worth **Rs.1,00,000/-** (0.1% of accepted PAC, Maximum Rs 100000/-only) to execute agreement and to start the work after getting necessary instructions from the Executive Engineer, Project Division, Kozhikode .

- 1. Before Executing the agreement you should provide **Performance guarantee** of

Draft #8 of File 1924/D5/2022/PHC-KKD Approved by Superintending Engineer on 22-Sep-2022 12:47 PM - Page 1



**Rs.59,96,500/-**. Atleast fifty percent(50%) of this shall be in the form of Treasury Fixed Deposit and the balance in the form of Bank Guarantee and produce the pass book duly pledged in favour Superintending Engineer, PH Circle, Kozhikode for fulfillment of contract. It is informed that no interest shall be payable by KWA upon the security deposit or amount payable to the contractor under the contract. The EMD furnished along with tender will be released on receipt of the Performance guarantee and written request. You are not allowed to convert the EMD submitted by you as Performance Guarantee.

2. Any failure in this direction will be liable to result in the forfeiture of your offer, Permanent Earnest Money and the cancellation of the proposed contract and the contractor shall be liable to pay the Authority the entire loss that may be caused to Authority by the re-tender or the rearrangement of the work or otherwise consequent on the contractor's failure to execute the agreement or execute the work as provided for in the clause of the Notice Inviting Tender and all such loss shall be recovered from the contractor under the provision of the Revenue Recovery Act or otherwise.
3. It must be understood that on no account the rates once fixed will be increased. Payment will be made as per the availability of funds for the scheme.
4. The work should be completed in all respects within **06 Months** from the date of work order and the commissioned scheme shall be maintained for a further periods of 24 month from the date of commissioning of the work
5. All the terms and conditions of the NIT and Special conditions shall be binding on the Contract.
6. The contractor shall take over charge of the site within 10 days after executing agreement and commence the work.
7. The Contractor should complete the work in all respect as per scope of work within the accepted PAC of **Rs.19,98,83,227.48/-**
8. The contractor shall engage a licensed plumber to lay service lines in FHTCs as per the judgement in WPC18399/2020 dated 08/09/2020 of the High Court of Kerala.
9. Payment will be made to the contractor for the total value of the work plus applicable GST.
10. 10% of Accepted PAC is to be secured by beneficiaries. This can be in the form of cash, kind, labour or materials. Hence if beneficiaries contribution is in any form other than cash such items will be accounted accordingly. In such case measurements will be made separately and the contractor will be entitled for payments of such measurements.
11. In NIT Vol-1 "The additional special conditions (regarding pipe supply) mentioned are not relevant to this work. The trenching width given in NIT Vol-1 & NIT Vol-2 is mismatching; these are to be ignored. The quantities given in schedule and approved estimate have precedence.
12. In case you desire to file any appeal on this order, you may approach the following higher authorities in succession. (1) Chief Engineer (Northern Region), KWA, Kozhikode, (P.O). Malapparamba. 673019 (2) Managing Director, KWA, Jalabhavan, (P.O) Vellyampalam, Thiruvananthapuram.

Yours faithfully,  
Dr.Gireesan P



Copy To

- 1)Chief Engineer (NR), Kerala Water Authority, Kozhikode for favour of information
- 2)Executive Engineer, Project Division, Kozhikode, KWA, for necessary action. The date of handing over the site to the contractor shall be reported to this office. The cost for geo tagging (@ Rs.20), Statutory fees for water connection(@Rs.578/-) and Additional Connection Fee (@ Rs.500/-)should be recorded in the measurement

Encl:

- 1.Accepted shedule



**JJM Phase II - CWSS to Sulthan Bathery Municipality Noolpuzha and Mutil Panchayaths in Wayanad Phase 3 - Extending distribution line and providing FHTC in Noolpuzha Grama Panchayath.**

**e- Tender No: SE/PHC/KKD/13/2022**

**Abstract**

Tendered PAC	=	Rs. 21,29,68,413/-
Accepted Rate	=	Rs. 19,98,83,227.48/-
% over all Excess / Below	=	$\frac{199883227.48 - 212968413}{212968413} \times 100$
	=	-6.14 % Below Tendered PAC



**KERALA WATER AUTHORITY,P.H CIRCLE,KOZHIKODE.****Accepted Schedule****JJM Phase II - CWSS to Sulthan Bathery Municipality Noolpuzha and Muttill Panchayaths in Wayanad Phase 3 - Extending distribution line and providing FHTC in Noolpuzha Grama Panchayath.****e- Tender No: SE/PHC/KKD/13/2022**

Name of Contractor:- MANOJ K T					Tendered PAC : RS:-	21,29,68,413/-
					Accepted PAC : RS:-	19,98,83,227.48/-
					Time of completion	6 Months
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT With Taxes except GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	<b>1.Appendix A :Supplying, Laying, Testing and Commissioning of Distribution System from Vadachira 9LL OHSR - Cost of material</b>					
1.001	Supply of PE Pipe, PE100, PN8, 90mm dia, conforming to IS 4984/2016.	52973.000	metre	199.40	10562816.20	INR One Crore Five Lakh Sixty Two Thousand Eight Hundred & Sixteen and Paise Twenty Only
1.002	Supply of PE Pipe, PE100, PN10, 90mm dia, conforming to IS 4984/2016.	10076.000	metre	248.23	2501165.48	INR Twenty Five Lakh One Thousand One Hundred & Sixty Five and Paise Forty Eight Only
1.003	Supply of PE Pipe, PE100, PN8, 110mm dia, conforming to IS 4984/2016	97.000	metre	296.83	28792.51	INR Twenty Eight Thousand Seven Hundred & Ninety Two and Paise Fifty One Only
1.004	Supply of PE Pipe, PE100, PN8, 125mm dia, conforming to IS 4984/2016.	456.000	metre	393.08	179244.48	INR One Lakh Seventy Nine Thousand Two Hundred & Forty Four and Paise Forty Eight Only
1.005	Supply of PE Pipe, PE100, PN8, 160mm dia, conforming to IS 4984/2016.	7350.000	metre	646.57	4752289.50	INR Forty Seven Lakh Fifty Two Thousand Two Hundred & Eighty Nine and Paise Fifty Only
1.006	Add 3% for Specials	19212896.000	L.S	0.03	576386.88	INR Five Lakh Seventy Six Thousand Three Hundred & Eighty Six and Paise Eighty Eight Only
1.007	150 mm GI Pipe	120.000	metre	1961.37	235364.40	INR Two Lakh Thirty Five Thousand Three Hundred & Sixty Four and Paise Forty Only



1.008	125 mm GI Pipe	20.000	metre	1649.73	32994.60	INR Thirty Two Thousand Nine Hundred & Ninety Four and Paise Sixty Only
1.009	100 mm GI Pipe	10.000	metre	1258.54	12585.40	INR Twelve Thousand Five Hundred & Eighty Five and Paise Forty Only
1.01	80 mm GI Pipe	2000.000	metre	750.79	1501580.00	INR Fifteen Lakh One Thousand Five Hundred & Eighty Only
1.011	Add 5% for GI Specials	1900069.500	L.S	0.05	95003.48	INR Ninety Five Thousand & Three and Paise Forty Eight Only
1.012	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.	50.000	No	5732.65	286632.50	INR Two Lakh Eighty Six Thousand Six Hundred & Thirty Two and Paise Fifty Only
1.013	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore	50.000	No	753.85	37692.50	INR Thirty Seven Thousand Six Hundred & Ninety Two and Paise Fifty Only
1.014	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	31.000	No	6214.29	192642.99	INR One Lakh Ninety Two Thousand Six Hundred & Forty Two and Paise Ninety Nine Only
1.015	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 125mm.	1.000	No	10382.16	10382.16	INR Ten Thousand Three Hundred & Eighty Two and Paise Sixteen Only
1.016	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	2.000	No	12568.03	25136.06	INR Twenty Five Thousand One Hundred & Thirty Six and Paise Six Only
2	<b>2. Appendix B : Supplying, Laying, Testing and Commissioning of Distribution system from Vadachira 9 LL OHSR - Working charges</b>					
2.001	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.	31850.000	metre	28.74	915369.00	INR Nine Lakh Fifteen Thousand Three Hundred & Sixty Nine Only



2.002	Dismantling manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in-Charge:Bituminous road	8522.500	sqm	340.73	2903871.43	INR Twenty Nine Lakh Three Thousand Eight Hundred & Seventy One and Paise Forty Three Only
2.003	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	262.500	cum	1930.64	506793.00	INR Five Lakh Six Thousand Seven Hundred & Ninety Three Only
2.004	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 consolidatingeach 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)	19992.999	cum	524.41	10484528.61	INR One Crore Four Lakh Eighty Four Thousand Five Hundred & Twenty Eight and Paise Sixty One Only
2.005	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 consolidatingeach 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)	4498.427	cum	761.60	3426002.00	INR Thirty Four Lakh Twenty Six Thousand &Two Only
2.006	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.Medium Rock (blasting prohibited)New Data derived from Item No.2.9.3	499.830	cum	1000.57	500114.90	INR Five Lakh One Hundred & Fourteen and Paise Ninety Only
2.007	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)	31928.400	metre	26.38	842271.19	INR Eight Lakh Forty Two Thousand Two Hundred & Seventy One and Paise Nineteen Only



2.008	Fencing 1.50m high with two rows of casuarina poles (girth 15cm to 24cm) tied with coir yarn on vertical casuarina pole (girth 15cm to 24cm) fixed at 1.5m intervals. NEW DATA (Prepared based on PWD SDB - Item No.1009	3547.601	metre	90.78	322051.22	INR Three Lakh Twenty Two Thousand & Fifty One and Paise Twenty Two Only
2.009	"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"	63049.000	metre	88.06	5552094.94	INR Fifty Five Lakh Fifty Two Thousand & Ninety Four and Paise Ninety Four Only
2.01	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	97.000	metre	119.43	11584.71	INR Eleven Thousand Five Hundred & Eighty Four and Paise Seventy One Only
2.011	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. 125 mm OD HDPE pipe NEW DATA	456.000	metre	126.21	57551.76	INR Fifty Seven Thousand Five Hundred & Fifty One and Paise Seventy Six Only





2.012	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. 160 mm OD HDPE pipe NEW DATA	7350.000	metre	<b>203.14</b>	<b>1493079.00</b>	INR Fourteen Lakh Ninety Three Thousand & Seventy Nine Only
2.013	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 DARData for 10 m	2000.000	metre	<b>196.92</b>	<b>393840.00</b>	INR Three Lakh Ninety Three Thousand Eight Hundred & Forty Only
2.014	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	10.000	metre	<b>222.02</b>	<b>2220.20</b>	INR Two Thousand Two Hundred & Twenty and Paise Twenty Only
2.015	"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. 125 mm dia nominal bore Observed Data derived from item no.18.12 of DAR	20.000	metre	<b>248.70</b>	<b>4974.00</b>	INR Four Thousand Nine Hundred & Seventy Four Only
2.016	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. 150 mm dia nominal ore Observed Data derived from item no.18.12 of DAR	120.000	metre	<b>275.07</b>	<b>33008.40</b>	INR Thirty Three Thousand & Eight and Paise Forty Only
2.017	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 seperately): 40 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	50.000	Nos	<b>166.78</b>	<b>8339.00</b>	INR Eight Thousand Three Hundred & Thirty Nine Only
2.018	"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	31.000	Nos	<b>555.07</b>	<b>17207.17</b>	INR Seventeen Thousand Two Hundred & Seven and Paise Seventeen Only



2.019	"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) :125 mm diameter. Class I"Data derived from item no.18.31.2.1 of DAR	1.000	Nos	<b>933.82</b>	<b>933.82</b>	INR Nine Hundred & Thirty Three and Paise Eighty Two Only
2.02	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) :150 mm diameter. Class I"Data derived from item no.18.31.3.1 of DAR	2.000	Nos	<b>1133.50</b>	<b>2267.00</b>	INR Two Thousand Two Hundred & Sixty Seven Only
2.021	Supplying and fixing 150mm CI surface box embedded with RCC slab of size 0.6x0.6x0.15 and 200mm PVC pipe 10Kg/cm2 pipe acting as protection tube with including all cost of conveyance, labour charges etc. Complete.	50.000	No	<b>2599.19</b>	<b>129959.50</b>	INR One Lakh Twenty Nine Thousand Nine Hundred & Fifty Nine and Paise Fifty Only
2.022	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil	63.351	cum	<b>202.05</b>	<b>12800.07</b>	INR Twelve Thousand Eight Hundred and Paise Seven Only
2.023	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	4.896	cum	<b>6433.40</b>	<b>31497.93</b>	INR Thirty One Thousand Four Hundred & Ninety Seven and Paise Ninety Three Only
2.024	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	42.201	cum	<b>8107.70</b>	<b>342153.05</b>	INR Three Lakh Forty Two Thousand One Hundred & Fifty Three and Paise Five Only
2.025	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	123.120	sqm	<b>316.55</b>	<b>38973.64</b>	INR Thirty Eight Thousand Nine Hundred & Seventy Three and Paise Sixty Four Only



2.026	Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	258.400	sqm	677.06	174952.30	INR One Lakh Seventy Four Thousand Nine Hundred & Fifty Two and Paise Thirty Only
2.027	Centering and shuttering including strutting, etc. and removal of form for:	40.801	sqm	770.11	31421.26	INR Thirty One Thousand Four Hundred & Twenty One and Paise Twenty Six Only
2.028	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Thermo - Mechanically Treated bars of grade Fe-500D or more	3010.000	kilogram	92.80	279328.00	INR Two Lakh Seventy Nine Thousand Three Hundred & Twenty Eight Only
3	<b>3.Appendix C: Supplying,Laying,Testig and commisioning of distribution system from 7LL OHSR at Nirapath -cost of material</b>					
3.001	Supply of PE Pipe, PE100, PN8, 90mm dia, conforming to IS 4984/2016.	74050.000	metre	199.40	14765570.00	INR One Crore Forty Seven Lakh Sixty Five Thousand Five Hundred & Seventy Only
3.002	Supply of PE Pipe, PE100, PN8, 110mm dia, conforming to IS 4984/2016	262.000	metre	296.83	77769.46	INR Seventy Seven Thousand Seven Hundred & Sixty Nine and Paise Forty Six Only
3.003	Supply of PE Pipe, PE100, PN8, 125mm dia, conforming to IS 4984/2016.	3989.000	metre	393.08	1567996.12	INR Fifteen Lakh Sixty Seven Thousand Nine Hundred & Ninety Six and Paise Twelve Only
3.004	Supply of PE Pipe, PE100, PN8, 160mm dia, conforming to IS 4984/2016.	5763.000	metre	646.57	3726182.91	INR Thirty Seven Lakh Twenty Six Thousand One Hundred & Eighty Two and Paise Ninety One Only
3.005	Add 3% for Specials	21465475.000	L.S	0.03	643964.25	INR Six Lakh Forty Three Thousand Nine Hundred & Sixty Four and Paise Twenty Five Only
3.006	Supply 150mm GI Pipe Medium	100.000	metre	1961.37	196137.00	INR One Lakh Ninety Six Thousand One Hundred & Thirty Seven Only
3.007	Supply 125mm GI Pipe Medium	60.000	metre	1649.73	98983.80	INR Ninety Eight Thousand Nine Hundred & Eighty Three and Paise Eighty Only
3.008	Supply 100mm GI Pipe Medium	40.000	metre	1258.54	50341.60	INR Fifty Thousand Three Hundred & Forty One and Paise Sixty Only



3.009	Supply 80mm GI Pipe Medium	2200.000	metre	750.79	1651738.00	INR Sixteen Lakh Fifty One Thousand Seven Hundred & Thirty Eight Only
3.01	Add 5% for GI Specials	2128901.800	L.S	0.05	106445.09	INR One Lakh Six Thousand Four Hundred & Forty Five and Paise Nine Only
3.011	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.	50.000	No	5732.65	286632.50	INR Two Lakh Eighty Six Thousand Six Hundred & Thirty Two and Paise Fifty Only
3.012	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	37.000	No	6214.29	229928.73	INR Two Lakh Twenty Nine Thousand Nine Hundred & Twenty Eight and Paise Seventy Three Only
3.013	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	1.000	No	8446.97	8446.97	INR Eight Thousand Four Hundred & Forty Six and Paise Ninety Seven Only
3.014	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 125mm.	2.000	No	10382.16	20764.32	INR Twenty Thousand Seven Hundred & Sixty Four and Paise Thirty Two Only
3.015	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	2.000	No	12568.03	25136.06	INR Twenty Five Thousand One Hundred & Thirty Six and Paise Six Only
4	<b>4.Appendix D: Supplying,Laying,Testig and commisioning of distribution system from 7LL OHSR at Nirapath-working charges</b>					
4.001	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, traffice 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.	40500.000	metre	28.74	1163970.00	INR Eleven Lakh Sixty Three Thousand Nine Hundred & Seventy Only
4.002	Dismantling manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in-Charge:Bituminous road	10850.000	sqm	340.73	3696920.50	INR Thirty Six Lakh Ninety Six Thousand Nine Hundred & Twenty and Paise Fifty Only



4.003	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	332.500	cum	1930.64	641937.80	INR Six Lakh Forty One Thousand Nine Hundred & Thirty Seven and Paise Eighty Only
4.004	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 consolidatingeach 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)	23688.877	cum	524.41	12422683.99	INR One Crore Twenty Four Lakh Twenty Two Thousand Six Hundred & Eighty Three and Paise Ninety Nine Only
4.005	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 consolidatingeach 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)	5330.000	cum	761.60	4059328.00	INR Forty Lakh Fifty Nine Thousand Three Hundred & Twenty Eight Only
4.006	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m2 on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.Medium Rock (blasting prohibited)New Data derived from Item No.2.9.3	592.225	cum	1000.57	592562.57	INR Five Lakh Ninety Two Thousand Five Hundred & Sixty Two and Paise Fifty Seven Only
4.007	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)	38728.800	metre	26.38	1021665.74	INR Ten Lakh Twenty One Thousand Six Hundred & Sixty Five and Paise Seventy Four Only



4.008	Fencing 1.50m high with two rows of casuarina poles (girth 15cm to 24cm) tied with coir yarn on vertical casuarina pole (girth 15cm to 24cm) fixed at 1.5m intervals. NEW DATA (Prepared based on PWD SDB - Item No.1009	4303.200	metre	<b>90.78</b>	<b>390644.50</b>	INR Three Lakh Ninety Thousand Six Hundred & Forty Four and Paise Fifty Only
4.009	"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	74050.000	metre	<b>88.06</b>	<b>6520843.00</b>	INR Sixty Five Lakh Twenty Thousand Eight Hundred & Forty Three Only
4.01	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	262.000	metre	<b>119.43</b>	<b>31290.66</b>	INR Thirty One Thousand Two Hundred & Ninety and Paise Sixty Six Only
4.011	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.125 mm OD HDPE pipe NEW DATA	3989.000	metre	<b>126.21</b>	<b>503451.69</b>	INR Five Lakh Three Thousand Four Hundred & Fifty One and Paise Sixty Nine Only



4.012	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. 160 mm OD HDPE pipe NEW DATA	5763.000	metre	<b>203.14</b>	<b>1170695.82</b>	INR Eleven Lakh Seventy Thousand Six Hundred & Ninety Five and Paise Eighty Two Only
4.013	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 DARData for 10 m	2200.000	metre	<b>196.92</b>	<b>433224.00</b>	INR Four Lakh Thirty Three Thousand Two Hundred & Twenty Four Only
4.014	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	40.000	metre	<b>222.02</b>	<b>8880.80</b>	INR Eight Thousand Eight Hundred & Eighty and Paise Eighty Only
4.015	"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. 125 mm dia nominal bore Observed Data derived from item no.18.12 of DAR	60.000	metre	<b>248.70</b>	<b>14922.00</b>	INR Fourteen Thousand Nine Hundred & Twenty Two Only
4.016	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. 150 mm dia nominal ore Observed Data derived from item no.18.12 of DAR	100.000	metre	<b>275.07</b>	<b>27507.00</b>	INR Twenty Seven Thousand Five Hundred & Seven Only



4.017	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 seperately): 40 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	50.000	Nos	<b>166.78</b>	<b>8339.00</b>	INR Eight Thousand Three Hundred & Thirty Nine Only
4.018	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore	50.000	No	<b>753.85</b>	<b>37692.50</b>	INR Thirty Seven Thousand Six Hundred & Ninety Two and Paise Fifty Only
4.019	"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	37.000	Nos	<b>555.07</b>	<b>20537.59</b>	INR Twenty Thousand Five Hundred & Thirty Seven and Paise Fifty Nine Only
4.02	"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.18.31.1.1of DAR	1.000	Nos	<b>836.92</b>	<b>836.92</b>	INR Eight Hundred & Thirty Six and Paise Ninety Two Only
4.021	"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) :125 mm diameter. Class I"Data derived from item no.18.31.2.1 of DAR	2.000	Nos	<b>933.82</b>	<b>1867.64</b>	INR One Thousand Eight Hundred & Sixty Seven and Paise Sixty Four Only
4.022	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) :150 mm diameter. Class I"Data derived from item no.18.31.3.1 of DAR	2.000	Nos	<b>1133.50</b>	<b>2267.00</b>	INR Two Thousand Two Hundred & Sixty Seven Only





4.023	Supplying and fixing 150mm CI surface box embedded with RCC slab of size 0.6x0.6x0.15 and 200mm PVC pipe 10Kg/cm <sup>2</sup> pipe acting as protection tube with including all cost of conveyance, labour charges etc. Complete	50.000	No	2599.19	129959.50	INR One Lakh Twenty Nine Thousand Nine Hundred & Fifty Nine and Paise Fifty Only
4.024	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil	126.360	cum	202.05	25531.04	INR Twenty Five Thousand Five Hundred & Thirty One and Paise Four Only
4.025	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	6.048	cum	6433.40	38909.20	INR Thirty Eight Thousand Nine Hundred & Nine and Paise Twenty Only
4.026	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	55.920	cum	8107.70	453382.58	INR Four Lakh Fifty Three Thousand Three Hundred & Eighty Two and Paise Fifty Eight Only
4.027	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	160.560	sqm	316.55	50825.27	INR Fifty Thousand Eight Hundred & Twenty Five and Paise Twenty Seven Only
4.028	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	285.600	sqm	677.06	193368.34	INR One Lakh Ninety Three Thousand Three Hundred & Sixty Eight and Paise Thirty Four Only



4.029	Centering and shuttering including strutting, etc. and removal of form for:	75.600	sqm	770.11	58220.32	INR Fifty Eight Thousand Two Hundred & Twenty and Paise Thirty Two Only
4.03	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more	3920.000	kilogram	92.80	363776.00	INR Three Lakh Sixty Three Thousand Seven Hundred & Seventy Six Only
5	<b>5.Appendix E:Panchayat Road Restoration Charges</b>					
5.001	Excavation for road work in soil, Compacting Original Ground supporting sub grade Loosening of the ground up to a level of 300 mm below the sub grade level, watered, graded and compacted in layers to meet requirement of Tables 300.1 and 300.2 for sub grade construction as per Technical Specification Clause 303.5.2. (Rate as per LSGD data MoRD 3.15.2)	3255.000	cum	49.52	161187.60	INR One Lakh Sixty One Thousand One Hundred & Eighty Seven and Paise Sixty Only
5.002	Supply ,stacking,spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading ,unloading & stacking up to any lead.	1627.500	cum	515.45	838894.88	INR Eight Lakh Thirty Eight Thousand Eight Hundred & Ninety Four and Paise Eighty Eight Only
5.003	Providing , laying spreading and compacting graded stone aggregate ( size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing 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.	1627.500	cum	2935.10	4776875.25	INR Forty Seven Lakh Seventy Six Thousand Eight Hundred & Seventy Five and Paise Twenty Five Only



5.004	Prime Coat :- Low porosity 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 MORD 5.1.1a	10850.000	sqm	<b>62.59</b>	<b>679101.50</b>	INR Six Lakh Seventy Nine Thousand One Hundred & One and Paise Fifty Only
5.005	Tack Coat 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. MORD 5.2.3a	31000.000	sqm	<b>13.36</b>	<b>414160.00</b>	INR Four Lakh Fourteen Thousand One Hundred & Sixty Only
5.006	20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65. Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. Case - I By Manual Means (II) Bitumen (S-65) MORD 5.9.1.2a	31000.000	sqm	<b>148.05</b>	<b>4589550.00</b>	INR Forty Five Lakh Eighty Nine Thousand Five Hundred & Fifty Only
5.007	Seal Coat - Manual Means - Type C - Bitumen S-65- Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 - A. By Manual Means :- Case - III : Type C- (II) Bitumen (S-65) - MORD 5.12.A.3.2a	31000.000	sqm	<b>63.50</b>	<b>1968500.00</b>	INR Nineteen Lakh Sixty Eight Thousand Five Hundred Only
5.008	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	892.500	cum	<b>7543.54</b>	<b>6732609.45</b>	INR Sixty Seven Lakh Thirty Two Thousand Six Hundred & Nine and Paise Forty Five Only



6	<b>6.Appendix F: PWD Road Restoration Charges</b>					
6.001	For road work - Loosening and re compacting the trench for a depth of 30 cm including all cost and labour charges	2556.750	cum	<b>248.88</b>	<b>636323.94</b>	INR Six Lakh Thirty Six Thousand Three Hundred & Twenty Three and Paise Ninety Four Only
6.002	Conveying the excavated earth from the site up to 1 KM distance by Mechanical transport including loading, unloading and stacking -(As per DSR 2021-Spec No 1.1.2	2556.750	cum	<b>151.11</b>	<b>386350.49</b>	INR Three Lakh Eighty Six Thousand Three Hundred & Fifty and Paise Forty Nine Only
6.003	Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method (PWD 4.2.A.1) 	1278.375	cum	<b>2825.15</b>	<b>3611601.13</b>	INR Thirty Six Lakh Eleven Thousand Six Hundred & One and Paise Thirteen Only
6.004	W M M -Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	1278.375	cum	<b>2907.49</b>	<b>3716862.53</b>	INR Thirty Seven Lakh Sixteen Thousand Eight Hundred & Sixty Two and Paise Fifty Three Only
6.005	(SS) Providing and applying primer coat with bitumen emulsion (SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means. 	8522.500	sqm	<b>51.57</b>	<b>439505.33</b>	INR Four Lakh Thirty Nine Thousand Five Hundred & Five and Paise Thirty Three Only



6.006	(R S) Providing and applying tack coat with Bitumin emulsion ( RS) using emulsion pressure distributor at the rate of 0.20 to 0.30kg/sqm on the prepates bituminous surface cleaned withmechanical broom. (Data as per item no 5.2.a of PWD DSR) 	31850.000	sqm	9.89	314996.50	INR Three Lakh Fourteen Thousand Nine Hundred & Ninety Six and Paise Fifty Only
6.007	(B M) Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (VG 30), transported to the site, laid over a previously prepared surface with paver finisher to the required grade, level, and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction For Grading II - (19 mm nominal size) 	485.000	cum	7313.50	3547047.50	INR Thirty Five Lakh Forty Seven Thousand &Forty Seven and Paise Fifty Only
6.008	(B C) Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder( NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects For Grading -  II (13.2 mm Nominal Size) 	291.000	cum	10013.84	2914027.44	INR Twenty Nine Lakh Fourteen Thousand &Twenty Seven and Paise Forty Four Only
6.009	Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 mm (Type-A) aggregates using viscosity grade bitumen ( VG - 30) to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable HMP of appropriate capacity not less than 75 tonnes/hour., laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade	14650.000	sqm	175.45	2570342.50	INR Twenty Five Lakh Seventy Thousand Three Hundred & Forty Two and Paise Fifty Only



6.01	(Studs)- Providing and Fixing reflective road studs (raised pavement marker ) made out of ASA/HIPS ABS moulded body with shanks and conforming to ASTM D 4280,reflective panel conforming to ASTM D 788,and reflectivity conforming to clause 804.4 ,including installation ,drilling,fixing with adhesive etc with two years warranty for the road stud as well as for in field performance as per clause 804 .7.3 &lt;br>Road Marker/Road stud with Lense Reflector. -Specification code: 8.35 of PWD	3233.000	No	179.07	578933.31	INR Five Lakh Seventy Eight Thousand Nine Hundred & Thirty Three and Paise Thirty One Only
6.011	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads on bituminous surface @250 gms per sqm area ,the thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. the finished surface to be level ,uniform,and free from streaks and holes. - Specification code: 8.13 of PWD	1455.000	sqm	452.03	657703.65	INR Six Lakh Fifty Seven Thousand Seven Hundred & Three and Paise Sixty Five Only
7	<b>Providing G : 4969 FHTCs from both Vadachira and Nirapath reservoirs</b>					
7.001	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.	4500.000	Nos	6568.71	29559195.00	INR Two Crore Ninety Five Lakh Fifty Nine Thousand One Hundred & Ninety Five Only



7.002	Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m 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.	469.000	Nos	<b>6655.39</b>	<b>3121377.91</b>	INR Thirty One Lakh Twenty One Thousand Three Hundred & Seventy Seven and Paise Ninety One Only
7.003	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.	65000.000	metre	<b>163.40</b>	<b>10621000.00</b>	INR One Crore Six Lakh Twenty One Thousand Only
7.004	Laying UPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipe line to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipe line with water to the required test pressure (excluding cost of pipes and specials) 50 mm nominal outer dia pipes.	8000.000	metre	<b>44.93</b>	<b>359440.00</b>	INR Three Lakh Fifty Nine Thousand Four Hundred & Forty Only



7.005	Supply of PE Pipe, PE100, PN8, 50mm dia, conforming to IS 4984/2016	8000.000	metre	<b>69.19</b>	<b>553520.00</b>	INR Five Lakh Fifty Three Thousand Five Hundred & Twenty Only
7.006	Add 3% for PE Specials	590000.000	L.S	<b>0.03</b>	<b>17700.00</b>	INR Seventeen Thousand Seven Hundred Only
7.007	Providing 20mm ( 1/2 inch ) PVC 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.	150.000	Nos	<b>544.81</b>	<b>81721.50</b>	INR Eighty One Thousand Seven Hundred & Twenty One and Paise Fifty Only
7.008	Providing 15mm ( 1/2 inch ) GM Check 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.	4969.000	Nos	<b>463.19</b>	<b>2301591.11</b>	INR Twenty Three Lakh One Thousand Five Hundred & Ninety One and Paise Eleven Only
7.009	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.	4969.000	Nos	<b>549.32</b>	<b>2729571.08</b>	INR Twenty Seven Lakh Twenty Nine Thousand Five Hundred & Seventy One and Paise Eight Only
7.013	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	280.749	cum	<b>8107.70</b>	<b>2276228.67</b>	INR Twenty Two Lakh Seventy Six Thousand Two Hundred & Twenty Eight and Paise Sixty Seven Only
7.014	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	2385.121	sqm	<b>316.55</b>	<b>755010.05</b>	INR Seven Lakh Fifty Five Thousand & Ten and Paise Five Only
7.015	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in:	119.256	cum	<b>7085.30</b>	<b>844964.54</b>	INR Eight Lakh Forty Four Thousand Nine Hundred & Sixty Four and Paise Fifty Four Only





7.016	12 mm cement plaster of mix:	119.256	sqm	296.51	35360.60	INR Thirty Five Thousand Three Hundred & Sixty and Paise Sixty Only
<b>Total in Figures</b>					<b>199883227.48</b>	Nineteen Crore Ninety Eight Lakh Eighty Three Thousand Two Hundred & Twenty Seven and Paise Forty Eight Only
<b>Quoted Rate in Words</b>		<b>INR Nineteen Crore Ninety Eight Lakh Eighty Three Thousand Two Hundred &amp; Twenty Seven and Paise Forty Eight Only</b>				

