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## KERALA WATER AUTHORITY

**Office of the Superintending Engineer  
Public Health Circle, Kottayam**

No. PHCK/A3/1515/2019/Ph2/ER3

Dated: 13.03.2022

From

The Superintending Engineer

To

Mathew Paul,

EDAPPARA HOUSE, KADAYIRUPPU P O, KOLENCHERY, Ernakulam 682311

Sir,

Sub:- JJM- 2020-21 - ERUMELI PANCHAYATH - KOTTAYAM DISTRICT PHASE II -  
PACKAGE 3 -PROVIDING ADDITIONAL DISTRIBUTION LINES / EXTENDING  
EXISTING DISTRIBUTION LINES IN ZONE I (Distribution from GLSR at WTP) &  
VI (Distribution from GLSR at Pallikunnu )AND PROVIDING FHTCs - Work Order  
Issuing-reg:-

Ref:- 1. This office E-tender No. 1RE19/SE/PHCK/2021-22 with due date: 03/02/2022  
2. Proceedings No. KWA/CE (SR)/PHK/ 28103/2022 of the Chief Engineer (SR)  
dated 09/03/2022

**Registered with A/d**

With reference to the above, you are hereby informed that your tender for the above works is accepted at **₹. 7,34,29,883/-**. (Rupees Seven Crore Thirty Four Lakh Twenty Nine Thousand Eight Hundred and Eighty Three Only) (Excluding GST) which is 10% above the TPAC of ₹. 6,67,54,439 /- as per the reference cited 2<sup>nd</sup>.

You are directed to attend this office within **fourteen days** from the date of receipt of this order with required Kerala stamp paper worth **₹. 73,500/-** (Rupees Seventy Three Thousand and Five Hundred Only) to execute an agreement and start the work within a week after getting necessary instructions from the Executive Engineer, Project Division, Kerala Water Authority, Kottayam. Penal provisions as per G.O(P) No.84/97 PW & T dated: 19.08.97 will be imposed of, if the agreement is not executed within the date specified above.

1. Before executing the agreement on Kerala stamp paper worth **₹. 73,500/-** (Rupees Seventy Three Thousand and Five Hundred Only), you should remit **₹.36,71,500/-** (Minimum **₹.18,35,750/-** in the form of Treasury Fixed Deposit and balance in the form of Bank guarantee) towards performance guarantee in the office of the Superintending Engineer, duly pledged in favour of the Superintending Engineer, P.H.Circle, Kerala Water Authority, Kottayam for the fulfillment of the contract.
2. Any failure in this direction will be liable to result in the forfeiture of special and permanent Earnest Money and the cancellation of the proposed contract. The contractor shall be liable to pay to the Kerala Water Authority the entire cost that may be caused in the Authority by the re-tender or the re-arrangement of the work or otherwise consequent on the contractor's failure to



execute the agreement or execute the work as provided for in the notice inviting tenders and all such loss shall be recovered from the contractor under the provision of the Revenue Recovery Act or Otherwise Vide G.O.(P)245/76/PW dated:19.11.1986.

3. It must be understood that on no account the rates once fixed will be increased.
4. The work should be completed in all respects within 6 (Six) months from the date of award of work.
- 5 All the terms and conditions of the notice inviting the tenders (NIT and BoQ) shall be binding on the contract.
- 6 The Original/attested copy of valid KWA License shall be produced in order to execute the agreement.
- 7 The original MoU with manufactures of pipe, specials, valves & Flow meters shall be produced in order to execute the agreement
- 8 The MoU with KWA licensed Plumber and original KWA Plumbing license or attested copy of the same possessed by the plumber with whom MoU is executed shall be produced in order to execute the agreement
- 9 The ITR for the last three years, Undertaking that no LD has been imposed in the past five years and non relationship certificate shall also be produced and all pages of NIT shall be signed in order to execute the agreement

Yours faithfully,  
Mohamed Sedeque. P  
Superintending Engineer

Copy To

- 1.The Executive Engineer, Project Division, KWA, Kottayam for information and necessary action. It should be ensured that the total expenditure of the project will not exceed the AS amount . If required revised AS shall be obtained.
- 2.To file.
- 3.To agreement.

Encl:

Agreement Schedule



Validate

Print

Help

**Percentage BoQ**

Tender Inviting Authority: Superintending Engineer, Kerala Water Authority, P. H. Circle, Kottayam.

Work Name: JJM- 2020-21 - ERUMELI PANCHAYATH - KOTTAYAM DISTRICT PHASE II - PACKAGE 3 - PROVIDING ADDITIONAL DISTRIBUTION LINES / EXTENDING EXISTING DISTRIBUTION LINES IN ZONE I (Distribution from GLSR at WTP) &amp; VI (Distribution from GLSR at Pallikunnu )AND PROVIDING FHTCs

E - Tender No: 1RE19/SE/PHCK/2021-22

Name of the Bidder/ Bidding Firm / Company :	Mathew Paul
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**AGREEMENT SCHEDULE**

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
1	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone I - Cost of Materials</b>					
1.001	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 90mm Dia.	900.000	metre	324.25	<b>291825.00</b>	INR Two Lakh Ninety One Thousand Eight Hundred & Twenty Five Only
1.002	Supply of uPVC Pipe, IS 4985: 2000 , 8kg/cm2, 90mm Dia.	2600.000	metre	278.75	<b>724750.00</b>	INR Seven Lakh Twenty Four Thousand Seven Hundred & Fifty Only
1.003	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm2, 110mm Dia.	350.000	metre	488.80	<b>171080.00</b>	INR One Lakh Seventy One Thousand & Eighty Only
1.004	3% of cost of PVC Pipes for Fittings and Specials (Bends,Tee,coupler, Tailpiece,end caps, reducer etc )	1187655.000	L.S	0.03	<b>35629.65</b>	INR Thirty Five Thousand Six Hundred & Twenty Nine and Paise Sixty Five Only
1.005	Supply of PE Pipe, PE100, PN10, 90mm dia, conforming to IS 4984/2016.	3540.000	metre	267.15	<b>945711.00</b>	INR Nine Lakh Forty Five Thousand Seven Hundred & Eleven Only
1.006	Supply of PE Pipe, PE100, PN8, 90mm dia, conforming to IS 4984/2016.	10503.000	metre	213.70	<b>2244491.10</b>	INR Twenty Two Lakh Forty Four Thousand Four Hundred & Ninety One and Paise Ten Only
1.007	Supply of PE Pipe, PE100, PN10, 110mm dia, conforming to IS 4984/2016.	1280.000	metre	392.60	<b>502528.00</b>	INR Five Lakh Two Thousand Five Hundred & Twenty Eight Only
1.008	Supply of PE Pipe, PE100, PN8, 110mm dia, conforming to IS 4984/2016	325.000	metre	321.75	<b>104568.75</b>	INR One Lakh Four Thousand Five Hundred & Sixty Eight and Paise Seventy Five Only
1.009	2% of cost of HDPE Pipes for Fittings and Specials (Bends,Tee,coupler, Tailpiece,end caps, reducer etc )	3797298.850	L.S	0.02	<b>75945.98</b>	INR Seventy Five Thousand Nine Hundred & Forty Five and Paise Ninety Eight Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
1.01	Supplying 50mm GI pipe	2500.000	metre	491.27	1228175.00	INR Twelve Lakh Twenty Eight Thousand One Hundred & Seventy Five Only
1.011	80mm GI pipe ( 1552 D S R)	1400.000	metre	800.30	1120420.00	INR Eleven Lakh Twenty Thousand Four Hundred & Twenty Only
1.012	Add 5% Cost of pipe for GI specials (Bends,Tee,coupler, Tailpiece,end caps, reducer etc )	2348595.000	L.S	0.05	117429.75	INR One Lakh Seventeen Thousand Four Hundred & Twenty Nine and Paise Seventy Five Only
1.013	Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :	11.930	quintal	20247.70	241555.06	INR Two Lakh Forty One Thousand Five Hundred & Fifty Five and Paise Six Only
1.014	Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :	18.790	quintal	21277.82	399810.24	INR Three Lakh Ninety Nine Thousand Eight Hundred & Ten and Paise Twenty Four Only
1.015	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	12.000	No	966.75	11601.00	INR Eleven Thousand Six Hundred & One Only
1.016	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	10.000	No	3131.05	31310.50	INR Thirty One Thousand Three Hundred & Ten and Paise Fifty Only
1.017	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Hand Wheel PN 1.0, Size 100mm.	4.000	No	4165.15	16660.60	INR Sixteen Thousand Six Hundred & Sixty and Paise Sixty Only
2	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone I Working Charge</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.	12318.000	metre	30.63	377300.34	INR Three Lakh Seventy Seven Thousand Three Hundred and Paise Thirty Four Only
2.002	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)	383.511	cum	2057.94	789242.63	INR Seven Lakh Eighty Nine Thousand Two Hundred & Forty Two and Paise Sixty Three Only
2.003	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	480.000	sqm	111.40	53472.00	INR Fifty Three Thousand Four Hundred & Seventy Two Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
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 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)	3999.998	cum	558.99	<b>2235958.88</b>	INR Twenty Two Lakh Thirty Five Thousand Nine Hundred & Fifty Eight and Paise Eighty Eight 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 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)	1826.463	cum	811.82	<b>1482759.19</b>	INR Fourteen Lakh Eighty Two Thousand Seven Hundred & Fifty Nine and Paise Nineteen Only
2.006	"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 : Medium Rock (blasting prohibited) New Data derived from DAR	730.586	cum	1350.01	<b>986298.41</b>	INR Nine Lakh Eighty Six Thousand Two Hundred & Ninety Eight and Paise Forty One Only
2.007	"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 : Hard Rock (Blasting Prohibited) (Ref. Item No. 2.13.3 of DSR)	365.294	cum	1566.06	<b>572072.32</b>	INR Five Lakh Seventy Two Thousand & Seventy Two and Paise Thirty Two Only
2.008	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)	7500.000	metre	28.12	<b>210900.00</b>	INR Two Lakh Ten Thousand Nine Hundred Only
2.009	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)	1000.000	metre	96.77	<b>96770.00</b>	INR Ninety Six Thousand Seven Hundred & Seventy Only
2.01	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete (Measurements to be taken of the face area timbered). Depth not exceeding 1.5m	545.500	sqm	153.90	<b>83952.45</b>	INR Eighty Three Thousand Nine Hundred & Fifty Two and Paise Forty Five Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
2.011	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). 90 mm nominal outer dia pipes."	3500.000	metre	87.59	<b>306565.00</b>	INR Three Lakh Six Thousand Five Hundred & Sixty Five Only
2.012	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).110 mm nominal outer dia pipes.	350.000	metre	129.07	<b>45174.50</b>	INR Forty Five Thousand One Hundred & Seventy Four and Paise Fifty 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. 50 mm dia nominal bore Observed Data derived from item no.18.12.6 of DARData for 10 m	2500.000	metre	168.37	<b>420925.00</b>	INR Four Lakh Twenty Thousand Nine Hundred & Twenty Five 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. 80 mm dia nominal bore Data derived from item no.18.12.8 of DARData for 10 m	1400.000	metre	209.91	<b>293874.00</b>	INR Two Lakh Ninety Three Thousand Eight Hundred & Seventy Four Only
2.015	"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"	14043.000	metre	93.87	<b>1318216.41</b>	INR Thirteen Lakh Eighteen Thousand Two Hundred & Sixteen and Paise Forty One Only
2.016	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 pipeNEW DATA	1605.000	metre	127.30	<b>204316.50</b>	INR Two Lakh Four Thousand Three Hundred & Sixteen and Paise Fifty Only
2.017	Labour for cutting D.I. pipe with steel saw. 350 mm diameter D.I pipe (Ref Spec Code 18.83.8)	10.000	Each Cut	753.04	<b>7530.40</b>	INR Seven Thousand Five Hundred & Thirty and Paise Forty Only
2.018	Labour for cutting D.I. pipe with steel saw. 250 mm diameter D.I. pipe (Ref Spec Code : 18.83.6)	20.000	Each Cut	539.01	<b>10780.20</b>	INR Ten Thousand Seven Hundred & Eighty and Paise Twenty Only



SI. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
2.019	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:250 mm dia pipes	10.000	joint	317.97	3179.70	INR Three Thousand One Hundred & Seventy Nine and Paise Seventy Only
2.02	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:350 mm dia pipes	10.000	joint	440.50	4405.00	INR Four Thousand Four Hundred & Five Only
2.021	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:80 mm diameter pipe	24.000	Nos	200.36	4808.64	INR Four Thousand Eight Hundred & Eight and Paise Sixty Four Only
2.022	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:100 mm diameter pipe	10.000	Nos	313.88	3138.80	INR Three Thousand One Hundred & Thirty Eight and Paise Eighty Only
2.023	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., 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 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.	1400.000	Nos	5867.31	8214234.00	INR Eighty Two Lakh Fourteen Thousand Two Hundred & Thirty Four Only
2.024	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains from 140mm to 200mm dia., 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 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.	270.000	Nos	6067.31	1638173.70	INR Sixteen Lakh Thirty Eight Thousand One Hundred & Seventy Three and Paise Seventy Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
2.025	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / GI mains up to 125 mm dia., 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, GI / MS / SS 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.	500.000	Nos	5980.21	<b>2990105.00</b>	INR Twenty Nine Lakh Ninety Thousand One Hundred & Five Only
2.026	Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and 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.	20000.000	metre	175.19	<b>3503800.00</b>	INR Thirty Five Lakh Three Thousand Eight Hundred Only
2.027	Providing 20mm (1/2 inch) PVC Air Valve in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	1000.000	Nos	376.32	<b>376320.00</b>	INR Three Lakh Seventy Six Thousand Three Hundred & Twenty Only
2.028	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.	2170.000	Nos	574.04	<b>1245666.80</b>	INR Twelve Lakh Forty Five Thousand Six Hundred & Sixty Six and Paise Eighty Only
2.029	Providing additional length of house connection pipe using 25mm Indian Standard Class 6 uPVC pipe and 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.	500.000	metre	187.56	<b>93780.00</b>	INR Ninety Three Thousand Seven Hundred & Eighty Only





SI. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
2.032	Providing Geotagging for FHTCs	2170.000	No	20.00	43400.00	INR Forty Three Thousand Four Hundred Only
2.033	Demolishing stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in- Charges:In cement mortar	30.000	cum	2077.91	62337.30	INR Sixty Two Thousand Three Hundred & Thirty Seven and Paise Thirty Only
2.034	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with: Cement mortar 1:6 (1 cement : 6 coarse sand)-Using departmental rubble.	27.000	cum	5262.64	142091.28	INR One Lakh Forty Two Thousand & Ninety One and Paise Twenty Eight Only
2.035	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:	3.000	cum	7249.94	21749.82	INR Twenty One Thousand Seven Hundred & Forty Nine and Paise Eighty Two Only
2.036	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)	20.000	cum	8040.94	160818.80	INR One Lakh Sixty Thousand Eight Hundred & Eighteen and Paise Eighty Only
2.037	Supply ,stacking,spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading ,unloading & stacking up to any lead.	100.000	cum	549.44	54944.00	INR Fifty Four Thousand Nine Hundred & Forty Four Only
3	<b>Supply &amp; Laying additional distribution lines and providing FHTC&amp; in Zone I Fitting Air valve and Sluice valve</b>					
3.001	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): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	12.000	Nos	141.35	1696.20	INR One Thousand Six Hundred & Ninety Six and Paise Twenty Only
3.002	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	12.000	No	588.88	7066.56	INR Seven Thousand & Sixty Six and Paise Fifty Six Only
3.003	"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	10.000	Nos	591.67	5916.70	INR Five Thousand Nine Hundred & Sixteen and Paise Seventy Only
3.004	"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	4.000	Nos	892.11	3568.44	INR Three Thousand Five Hundred & Sixty Eight and Paise Forty Four Only
4	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone I - Valve chamber and Road restoration</b>					



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
4.001	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	46.360	cum	215.37	9984.55	INR Nine Thousand Nine Hundred & Eighty Four and Paise Fifty Five Only
4.002	Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete (Measurements to be taken of the face area timbered).Depth not exceeding 1.5 m	11.961	sqm	164.00	1961.60	INR One Thousand Nine Hundred & Sixty One and Paise Sixty Only
4.003	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	3.568	cum	7256.36	25890.69	INR Twenty Five Thousand Eight Hundred & Ninety and Paise Sixty Nine Only
4.004	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)	0.801	cum	8040.95	6440.80	INR Six Thousand Four Hundred & Forty and Paise Eighty Only
4.005	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)	23.614	cum	8642.31	204079.51	INR Two Lakh Four Thousand & Seventy Nine and Paise Fifty One Only
4.006	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	73.801	sqm	337.42	24901.93	INR Twenty Four Thousand Nine Hundred & One and Paise Ninety Three Only
4.007	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersesses, plinth and string courses etc.	80.641	sqm	721.70	58198.61	INR Fifty Eight Thousand One Hundred & Ninety Eight and Paise Sixty One Only
4.008	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	1921.121	kilogram	98.92	190037.29	INR One Lakh Ninety Thousand & Thirty Seven and Paise Twenty Nine Only
4.009	Supplying and fixing C.I.Cover with frame for manholes  560mm diameter (Heavy duty) the weight to be not less than 208Kg	14.000	No	14561.61	203862.54	INR Two Lakh Three Thousand Eight Hundred & Sixty Two and Paise Fifty Four Only
5	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone VI-Materials</b>					
5.001	Supply of uPVC Pipe, IS 4985: 2000 , 10kg/cm <sup>2</sup> , 90mm Dia.	550.000	metre	324.25	178337.50	INR One Lakh Seventy Eight Thousand Three Hundred & Thirty Seven and Paise Fifty Only
5.002	3% of cost of PVC Pipes for Fittings and Specials (Bends,Tee,coupler, Tailpiece,end caps, reducer etc )	178337.500	L.S	0.03	5350.13	INR Five Thousand Three Hundred & Fifty and Paise Thirteen Only
5.003	80mm GI pipe ( 1552 D S R)	6755.000	metre	800.30	5406026.50	INR Fifty Four Lakh Six Thousand & Twenty Six and Paise Fifty Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
5.004	Supplying 65mm GI pipe	4745.000	metre	625.97	<b>2970227.65</b>	INR Twenty Nine Lakh Seventy Thousand Two Hundred & Twenty Seven and Paise Sixty Five Only
5.005	Supplying 50mm GI pipe	6000.000	metre	491.27	<b>2947620.00</b>	INR Twenty Nine Lakh Forty Seven Thousand Six Hundred & Twenty Only
5.006	Cost of specials for GI pipes (Bends,Tee,coupler, Tailpiece,end caps,Reducer etc )	11323874.150	L.S	0.05	<b>566193.71</b>	INR Five Lakh Sixty Six Thousand One Hundred & Ninety Three and Paise Seventy One Only
5.007	Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :	0.630	quintal	20247.70	<b>12756.05</b>	INR Twelve Thousand Seven Hundred & Fifty Six and Paise Five Only
5.008	Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :	0.500	quintal	21277.82	<b>10638.91</b>	INR Ten Thousand Six Hundred & Thirty Eight and Paise Ninety One Only
5.009	Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	12.000	No	966.75	<b>11601.00</b>	INR Eleven Thousand Six Hundred & One Only
5.01	Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	10.000	No	3131.05	<b>31310.50</b>	INR Thirty One Thousand Three Hundred & Ten and Paise Fifty Only
6	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone VI-Working charge</b>					
6.001	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.	3580.000	metre	30.63	<b>109655.40</b>	INR One Lakh Nine Thousand Six Hundred & Fifty Five and Paise Forty Only
6.002	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)	30.000	cum	2057.94	<b>61738.20</b>	INR Sixty One Thousand Seven Hundred & Thirty Eight and Paise Twenty Only
6.003	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)	133.350	cum	558.99	<b>74541.32</b>	INR Seventy Four Thousand Five Hundred & Forty One and Paise Thirty Two Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
6.004	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 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)	68.063	cum	811.82	55254.90	INR Fifty Five Thousand Two Hundred & Fifty Four and Paise Ninety Only
6.005	"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 consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Medium Rock (blasting prohibited) New Data derived from DAR	27.225	cum	1350.01	36754.02	INR Thirty Six Thousand Seven Hundred & Fifty Four and Paise Two Only
6.006	"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 : Hard Rock (Blasting Prohibited) (Ref. Item No. 2.13.3 of DSR)	13.613	cum	1566.06	21318.77	INR Twenty One Thousand Three Hundred & Eighteen and Paise Seventy Seven Only
6.007	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)	250.000	metre	28.12	7030.00	INR Seven Thousand & Thirty Only
6.008	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)	100.000	metre	96.77	9677.00	INR Nine Thousand Six Hundred & Seventy Seven Only
6.009	Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete (Measurements to be taken of the face area timbered). Depth not exceeding 1.5m	27.500	sqm	153.90	4232.25	INR Four Thousand Two Hundred & Thirty Two and Paise Twenty Five Only
6.01	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). 90 mm nominal outer dia pipes."	500.000	metre	87.59	43795.00	INR Forty Three Thousand Seven Hundred & Ninety Five Only
6.011	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	6755.000	metre	209.91	1417942.05	INR Fourteen Lakh Seventeen Thousand Nine Hundred & Forty Two and Paise Five Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
6.012	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. 50 mm dia nominal bore Observed Data derived from item no.18.12.6 of DARData for 10 m	6000.000	metre	168.37	1010220.00	INR Ten Lakh Ten Thousand Two Hundred & Twenty Only
6.013	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. 65 mm dia nominal boreData derived from item no.18.12.7 of DARData for 10 m	4745.000	metre	209.57	994409.65	INR Nine Lakh Ninety Four Thousand Four Hundred & Nine and Paise Sixty Five Only
6.014	Labour for cutting D.I. pipe with steel saw. 150 mm diameter D.I. pipe (Ref Spec Code : 18.83.4)	10.000	Each Cut	324.97	3249.70	INR Three Thousand Two Hundred & Forty Nine and Paise Seventy Only
6.015	Providing push - on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:150 mm dia pipes	6.000	joint	177.51	1065.06	INR One Thousand &Sixty Five and Paise Six Only
6.016	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:80 mm diameter pipe	25.000	Nos	200.36	5009.00	INR Five Thousand &Nine Only
6.017	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:100 mm diameter pipe	4.000	Nos	313.88	1255.52	INR One Thousand Two Hundred & Fifty Five and Paise Fifty Two Only
6.018	Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:125 mm diameter pipe	10.000	Nos	329.71	3297.10	INR Three Thousand Two Hundred & Ninety Seven and Paise Ten Only
6.019	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): 25 mm Single acting Air Valve Observed Data derived from item no.18.59.of DAR	12.000	Nos	141.35	1696.20	INR One Thousand Six Hundred & Ninety Six and Paise Twenty Only
6.02	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	12.000	No	588.88	7066.56	INR Seven Thousand &Sixty Six and Paise Fifty Six Only
6.021	"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 seperately) :80 mm diameter. Class I"Observed Data derived from item no.18.31.of DAR	10.000	Nos	591.67	5916.70	INR Five Thousand Nine Hundred & Sixteen and Paise Seventy Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
6.022	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., 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 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.	100.000	Nos	5867.31	<b>586731.00</b>	INR Five Lakh Eighty Six Thousand Seven Hundred & Thirty One Only
6.023	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing AC / GI mains up to 125 mm dia., 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, GI / MS / SS 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.	927.000	Nos	5980.21	<b>5543654.67</b>	INR Fifty Five Lakh Forty Three Thousand Six Hundred & Fifty Four and Paise Sixty Seven Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
6.024	Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains from 140mm to 200mm dia., 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 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.	25.000	Nos	6067.31	151682.75	INR One Lakh Fifty One Thousand Six Hundred & Eighty Two and Paise Seventy Five Only
6.025	Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and 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.	10520.000	metre	175.19	1842998.80	INR Eighteen Lakh Forty Two Thousand Nine Hundred & Ninety Eight and Paise Eighty Only
6.026	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.	1052.000	Nos	574.04	603890.08	INR Six Lakh Three Thousand Eight Hundred & Ninety and Paise Eight Only
6.027	Providing 20mm (1/2 inch) PVC Air Valve in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	300.000	Nos	376.32	112896.00	INR One Lakh Twelve Thousand Eight Hundred & Ninety Six Only
6.03	Providing Geotagging for FHTCs	1052.000	No	20.00	21040.00	INR Twenty One Thousand & Forty Only
7	<b>Supply &amp; Laying additional distribution lines and providing FHTCs in Zone VI-Valve chamber and panchayath road restoration</b>					
7.001	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	34.971	cum	215.37	7531.70	INR Seven Thousand Five Hundred & Thirty One and Paise Seventy Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
7.002	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	132.000	metre	96.77	12773.64	INR Twelve Thousand Seven Hundred & Seventy Three and Paise Sixty Four Only
7.003	Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete (Measurements to be taken of the face area timbered).Depth not exceeding 1.5 m	117.601	sqm	164.00	19286.56	INR Nineteen Thousand Two Hundred & Eighty Six and Paise Fifty Six Only
7.004	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	2.691	cum	7256.36	19526.86	INR Nineteen Thousand Five Hundred & Twenty Six and Paise Eighty Six Only
7.005	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)	0.801	cum	8040.95	6440.80	INR Six Thousand Four Hundred & Forty and Paise Eighty Only
7.006	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)	15.480	cum	8642.31	133782.96	INR One Lakh Thirty Three Thousand Seven Hundred & Eighty Two and Paise Ninety Six Only
7.007	Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	57.700	sqm	337.42	19469.13	INR Nineteen Thousand Four Hundred & Sixty Nine and Paise Thirteen Only
7.008	Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	61.200	sqm	721.70	44168.04	INR Forty Four Thousand One Hundred & Sixty Eight and Paise Four Only
7.009	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	1462.400	kilogram	98.92	144660.61	INR One Lakh Forty Four Thousand Six Hundred & Sixty and Paise Sixty One Only
7.01	Supplying and fixing C.I.Cover with frame for manholes  560mm diameter (Heavy duty) the weight to be not less than 208Kg	10.000	No	14561.61	145616.10	INR One Lakh Forty Five Thousand Six Hundred & Sixteen and Paise Ten Only
7.011	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	364.080	cum	7413.74	2699194.46	INR Twenty Six Lakh Ninety Nine Thousand One Hundred & Ninety Four and Paise Forty Six Only
7.012	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	182.040	cum	8102.83	1475039.17	INR Fourteen Lakh Seventy Five Thousand & Thirty Nine and Paise Seventeen Only
7.013	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost.)	180.000	sqm	384.01	69121.80	INR Sixty Nine Thousand One Hundred & Twenty One and Paise Eighty Only





Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT Including all Taxes Except GST in Rs. P	TOTAL AMOUNT In Words
7.014	Supply of 100 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, in required colour and pattern all complete as per the direction of Engineer-in-charge.	18.000	sqm	754.98	<b>13589.64</b>	INR Thirteen Thousand Five Hundred & Eighty Nine and Paise Sixty Four Only
<b>Total in Figures</b>					<b>66754439.24</b>	INR Six Crore Sixty Seven Lakh Fifty Four Thousand Four Hundred & Thirty Nine and Paise Twenty Four Only
<b>Quoted Rate in Figures</b>			<b>Excess (+)</b>	<b>10.00%</b>	<b>73429883.16</b>	INR Seven Crore Thirty Four Lakh Twenty Nine Thousand Eight Hundred & Eighty Three Only
<b>Quoted Rate in Words</b>		<b>INR Seven Crore Thirty Four Lakh Twenty Nine Thousand Eight Hundred &amp; Eighty Three Only</b>				

**CONTRACTOR**

**SUPERINTENDING ENGINEER**

