

## LETTER OF ACCEPTANCE

To,

Sri/Smt M/s.Francis N..A

PAN : AAFPF5555L

Your e-Tender No WRD/KWA-CE(CR)/TR/6970/2022\_26\_4\_3/1 dated 03-04-2023 for the Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package IIIA-Supplying and Laying Distribution and providing FHTC in Rajakumary GP-Pipeline Work has been accepted for a quoted amount of Rs. 179174822/- (Rupees Seventeen Crore Ninety One Lakh Seventy Four Thousand Eight Hundred and Twenty Two only) based on rates quoted for individual items individual items individual items individual items which is mentioned in the accompanying schedule. You are directed to submit the stamp GRN ID/Stamp paper, Performance Guarantee and Additional Performance Guarantee as mentioned below and execute an agreement and start the work within a week after getting necessary instructions from the Executive Engineer(Project Division Kattapana). The time allowed for executing agreement without fine will be 28 ( Twenty Eight) days from the date of issue of letter of acceptance and a further period of 10 ( Ten)days time will be allowed to execute the agreement after realizing a fine of Rs. 25000/- ( Twenty Five Thousand Only) .This fine shall be remitted in favour of the Managing Director, Kerala Water Authority, Account No - STSB 701011400000181, District Treasury, Thiruvananthapuram through e-treasury payment gateway.

1. stamp paper required value RS. 100000/- ( One Lakh Only) shall be submitted to the Agreement Authority. (subject to govt orders)

2. Before executing the agreement, you should deposit a Performance Guarantee of 5% of contract value, ie. Rs. 8958741/- (Rupees Eighty Nine Lakh Fifty Eight Thousand Seven Hundred and Forty One only) and should be submitted within 28 ( Twenty Eight) days of receipt of this LOA (Letter of Acceptance) as below.

a) At least Fifty (50%) of Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of defect liability period.

b) Balance Performance Guarantee shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual to be submitted before executing agreement and shall be valid till 28 (twenty eight) days after the completion of defect liability of the Work, in approved format. The Bank Guarantee on instalment basis with lesser period of validity shall not be accepted.

3. An Additional Performance Guarantee of Rs. 0/- (Rupees only) shall be also deposited for unbalanced price in addition to the normal Performance Guarantee in the following form and it should be to be submitted before executing agreement.

a) At least Fifty percent (50%) of Additional Performance Guarantee shall be in the form of Treasury Fixed Deposit in the name of Agreement Authority for a period not less than 28 (twenty eight) days after the completion of the work.

b) Balance Additional Performance Guarantee Treasury shall be in the form of bank guarantee. Bank Guarantee is to be submitted in the format prescribed by the Employer in the bid document. Bank Guarantee shall be unconditional and it shall be from any Nationalized/ Scheduled Bank/ Kerala Financial Corporation/ District Co-operative Banks, Primary Co-operative Banks, Urban Co-operative Banks or any other forms prescribed in the revised PWD Manual and shall be valid till 28(twenty eight) days after the completion of the Work, in approved format. The Bank Guarantee on instalment basis with lesser period of validity shall not be accepted.

OR

a) Full amount of additional performance guarantee shall be accepted in case of guarantees issued by Kerala Financial

Corporation

4. In addition to Performance Guarantee and Additional Performance Guarantee, Performance Security Deposit at the rate 2.5% of Bill amount will be deducted from running bills .

5. Solicitor's fee, if any, to be paid to the Law Officers of Government for scrutinising or drawing up of agreements- will be paid and the same recovered from the successful bidder.

6. You are requested to take an Insurance cover for this work for an amount of Rs. **500000 /-** (**Rupees Five Lakh only**) and submit the same within 15 days of Start of work subjected to the provisions provided in the Bid Document. 0.2% of the Contract Amount will be deducted in the event of failure to submit the Insurance to the concerned Authorities as noted above. (The value shall be generally 0.5% of the Contract Value subject to a minimum of Rs. 2.00 lakh and maximum of Rs. 5.00 lakh.).

7. Engineering personnel in addition to other supporting staff as detailed below for tenure of the contract for works supervision shall be employed.

**Works Manager- 1no.(Civil Engineering Graduate with minimum 3 years experience), Site Engineer - 2 nos (1 no for supervision and 1 no for Quality Control) (Civil Engineering graduate with minimum 1 year experience), Supervisor - 2 nos (Civil Engineering Diploma holder with minimum 1 year experience) and Supervisor(Mechanical) (if required) - 1 no (Mechanical Engineering Diploma holder with minimum 1 year experience).**

8. The Contractor shall enter into a Contract Agreement with the Agreement Authority within 28 Twenty Eight working days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority. The date of despatch of Letter of Acceptance through Contractors Portal shall be the date of Acceptance of Tender.

9. In the eventuality of failure to produce the original documents, or submit the performance security, or enter into agreement with the Agreement Authority within the specified time limit, the Bidder shall be debarred in future from participating in all Government Bids for three years and will be recommended for blacklisting by the competent authority. In such cases, the Government may rearrange the work otherwise or get it done departmentally at the risk and the cost of the Bidder and the loss so sustained by the Government can be realized from the Bidder under the Revenue recovery Act or otherwise the Government may decide.

10. The work should be completed in all respects within **6 months 1 year** from the date of handing over the site.

11. Defect Liability period will be **2 years**

12. All the details mentioned above shall be submitted to the Agreement Authority within 14 (fourteen) days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority.

13. All the terms and conditions of the Notice Inviting tenders and tender shall be binding on the Contractor.

**Pradeep V.K.(G14136)**  
**Superintending Engineer**

## ACCEPTED SCHEDULE

Name of Work: Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package IIIA-Supplying and Laying Distribution and providing FHTC in Rajakumary GP-Pipeline Work (DSR 2018 with Cost Index 141.53 )

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
<b>1</b>	<b>Supplying , Laying and commissioning of Distribution- Cost of materials</b>					
1.001	100.98.119 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 300mm Dia.	1522.000	metre	5200.00	7914400.00	Rupees Seventy Nine Lakh Fourteen Thousand Four Hundred Zero Only
1.002	100.98.118 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	2557.000	metre	4200.00	10739400.00	Rupees One Crore Seven Lakh Thirty Nine Thousand Four Hundred Zero Only
1.003	100.98.117 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.	3343.000	metre	3000.00	10029000.00	Rupees One Crore Zero Twenty Nine Thousand Zero Zero Only
1.004	100.98.116 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.	1496.000	metre	2300.00	3440800.00	Rupees Thirty Four Lakh Forty Zero Thousand Eight Hundred Zero Only
1.005	100.98.134 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 90mm Outer Dia.	5466.000	metre	280.00	1530480.00	Rupees Fifteen Lakh Thirty Zero Thousand Four Hundred Eighty Zero Only
1.006	OD99555/2022-2023 - 90mm HDPE Specials (8kg) (3% Cost of pipe)	5466.000	metre	7.00	38262.00	Rupees Thirty Eight Thousand Two Hundred Sixty Two Only
1.007	100.98.154 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 90mm Outer Dia.	9057.000	metre	330.00	2988810.00	Rupees Twenty Nine Lakh Eighty Eight Thousand Eight Hundred Ten Only
1.008	OD100162/2022-2023 - Specials for 90 mm HDPE pipe(10kg) (3% Cost of pipe)	9057.000	metre	9.00	81513.00	Rupees Eighty One Thousand Five Hundred Thirteen Only
1.009	100.98.194 - Supply of HDPE Pipe PE 100 (IS 4984/1995),	27740.000	metre	430.00	11928200.00	Rupees One Crore Nineteen

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	16kg, 90mm Outer Dia.					Lakh Twenty Eight Thousand Two Hundred Zero Only
1.010	OD100204/2022-2023 - Specials for 90mm HDPE Pipe (16kg) (3% Cost of pipe)	27740.000	metre	12.00	332880.00	Rupees Three Lakh Thirty Two Thousand Eight Hundred Eighty Zero Only
1.011	100.98.135 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 110mm Outer Dia.	622.000	metre	350.00	217700.00	Rupees Two Lakh Seventeen Thousand Seven Hundred Zero Only
1.012	OD99923/2022-2023 - 110 mm HDPE specials (8kg) (3% Cost of pipe)	622.000	metre	10.00	6220.00	Rupees Six Thousand Two Hundred Twenty Only
1.013	100.98.155 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 110mm Outer Dia.	898.000	metre	430.00	386140.00	Rupees Three Lakh Eighty Six Thousand One Hundred Forty Zero Only
1.014	OD100178/2022-2023 - 110mm HDPE specials (10kg) (3% Cost of pipe)	898.000	metre	12.00	10776.00	Rupees Ten Thousand Seven Hundred Seventy Six Only
1.015	100.98.195 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 110mm Outer Dia.	2201.000	metre	640.00	1408640.00	Rupees Fourteen Lakh Eight Thousand Six Hundred Forty Zero Only
1.016	OD100207/2022-2023 - Specials for 110mm HDPE 16kg	2201.000	metre	17.00	37417.00	Rupees Thirty Seven Thousand Four Hundred Seventeen Only
1.017	100.98.436 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 80mm.	3.000	no	12500.00	37500.00	Rupees Thirty Seven Thousand Five Hundred Zero Only
1.018	100.98.444 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Large Orifice Type S2, Size 50mm.	1.000	no	6500.00	6500.00	Rupees Six Thousand Five Hundred Zero Only
1.019	100.98.445 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Double Orifice Type DS2, Size 40mm.	9.000	no	7500.00	67500.00	Rupees Sixty Seven Thousand Five Hundred Zero Only
1.020	100.98.440 - Supply of CI Air Valve, Conforming to IS	58.000	no	6000.00	348000.00	Rupees Three Lakh Forty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.					Eight Thousand Zero Zero Only
1.021	100.98.475 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 300mm.	1.000	no	43500.00	43500.00	Rupees Forty Three Thousand Five Hundred Zero Only
1.022	100.98.474 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 250mm.	1.000	no	34000.00	34000.00	Rupees Thirty Four Thousand Zero Zero Only
1.023	100.98.473 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 200mm.	1.000	no	23500.00	23500.00	Rupees Twenty Three Thousand Five Hundred Zero Only
1.024	100.98.472 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 150mm.	1.000	no	13500.00	13500.00	Rupees Thirteen Thousand Five Hundred Zero Only
1.025	100.98.469 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 80mm.	28.000	no	6600.00	184800.00	Rupees One Lakh Eighty Four Thousand Eight Hundred Zero Only
<b>2</b>	<b>Supplying , Laying and commissioning of Distribution- Working charges</b>					
2.001	100.1.1 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in all kinds of soil.	22696.515	cum	620.00	14071839.30	Rupees One Crore Forty Zero Lakh Seventy One Thousand Eight Hundred Thirty Nine And Thirty Zero paise Only
2.002	100.1.5 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited	4814.703	cum	900.00	4333232.70	Rupees Forty Three Lakh Thirty Three Thousand Two Hundred Thirty Two And Seventy Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.					
2.003	100.2.3 - Excavating trenches of required width for pipes, cables, etc.. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Medium Rock Requiring Blasting.	1604.901	cum	1120.00	1797489.12	Rupees Seventeen Lakh Ninety Seven Thousand Four Hundred Eighty Nine And Twelve paise Only
2.004	100.1.13 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Hard Rock where Blasting is Prohibited.	1604.901	cum	1750.00	2808576.75	Rupees Twenty Eight Lakh Eight Thousand Five Hundred Seventy Six And Seventy Five paise Only
2.005	100.8.1 - Fencing one side of trenches, 1.50m height with two rows of 10cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2m intervals.	50000.000	metre	29.55	1477500.00	Rupees Fourteen Lakh Seventy Seven Thousand Five Hundred Zero Only
2.006	100.59.1 - 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,	2400.000	metre	34.00	81600.00	Rupees Eighty One Thousand Six Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
2.007	15.59 - Dismantling of flexible pavement ( bituminous courses ) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.	972.000	cum	420.00	408240.00	Rupees Four Lakh Eight Thousand Forty Zero Only
2.008	15.2.2 - Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:4:8 leaner mix ( including equivalent design mix)	405.000	cum	1420.00	575100.00	Rupees Five Lakh Seventy Five Thousand One Hundred Zero Only
2.009	18.12.8 - Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 80 mm dia nominal bore	13467.000	metre	1150.00	15487050.00	Rupees One Crore Fifty Four Lakh Eighty Seven Thousand Zero Fifty Zero Only
2.010	100.10.1 - 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 pipeline 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 levelling the trenches including all labour charge, hire for appliances etc., complete but excluding cost of pipe and fittings: 90mm Nominal Outer Diameter pipes.	39263.000	metre	105.00	4122615.00	Rupees Forty One Lakh Twenty Two Thousand Six Hundred Fifteen Only
2.011	100.10.2 - Laying HDPE pipes (IS : 4984) on land portion including conveying within initial lead and	3721.000	metre	140.00	520940.00	Rupees Five Lakh Twenty Thousand Nine Hundred Forty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	aligning the pipes, electro-fusion welding using automatic or semi-automatic electrofusion machines, testing the pipeline 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 levelling the trenches including all labour charge, hire for appliances etc., complete but excluding cost of pipe and fittings: 110mm Nominal Outer Diameter Pipes.					Zero Only
2.012	100.14.5 - Conveying and laying S & amp; S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 300mm diameter Ductile Iron Class K-9 Pipes.	1524.000	metre	230.00	350520.00	Rupees Three Lakh Fifty Zero Thousand Five Hundred Twenty Only
2.013	18.70.5 - 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:300 mm dia pipe	280.000	joint	460.00	128800.00	Rupees One Lakh Twenty Eight Thousand Eight Hundred Zero Only
2.014	18.30.7 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:300 mm diameter pipe	4.000	no	650.00	2600.00	Rupees Two Thousand Six Hundred Zero Only
2.015	OD113332/2022-2023 - Labour for cutting DI pipe with steel saw 300 mm diameter of DI Pipe	40.000	Each Cut	1200.00	48000.00	Rupees Forty Eight Thousand Zero Zero Only
2.016	100.35.5 - Testing 300mm DI/CI pipeline with potable water to the required test pressure. 300 mm dia Observed Data derived from item no.1023 of PHED DATA	1524.000	metre	62.00	94488.00	Rupees Ninety Four Thousand Four Hundred Eighty Eight Only
2.017	100.14.4 - Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 250mm diameter Ductile Iron Class K-9 Pipes.	2544.000	metre	180.00	457920.00	Rupees Four Lakh Fifty Seven Thousand Nine Hundred Twenty Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
2.018	18.70.4 - 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	465.000	joint	355.00	165075.00	Rupees One Lakh Sixty Five Thousand Zero Seventy Five Only
2.019	18.30.6 - Providing flanged joints to double flanged C.I./D.I pipes and specials, including testing of joints:250 mm diameter pipe	5.000	no	640.00	3200.00	Rupees Three Thousand Two Hundred Zero Only
2.020	OD113323/2022-2023 - Labour for cutting DI pipe with steel saw 250 mm diameter of DI Pipe	60.000	Each Cut	600.00	36000.00	Rupees Thirty Six Thousand Zero Zero Only
2.021	100.35.4 - Testing 250mm DI/CI pipeline with potable water to the required test pressure . 250 mm dia Observed Data derived from item no.1022 of PHED DATA	2544.000	metre	55.00	139920.00	Rupees One Lakh Thirty Nine Thousand Nine Hundred Twenty Only
2.022	100.14.3 - Conveying and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 200mm diameter Ductile Iron Class K-9 Pipes.	3326.000	metre	135.00	449010.00	Rupees Four Lakh Forty Nine Thousand Zero Ten Only
2.023	18.70.3 - 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:200 mm dia pipes	610.000	joint	290.00	176900.00	Rupees One Lakh Seventy Six Thousand Nine Hundred Zero Only
2.024	18.30.5 - Providing flanged joints to double flanged C.I./D.I pipes and specials, including testing of joints:200 mm diameter pipe	6.000	no	470.00	2820.00	Rupees Two Thousand Eight Hundred Twenty Only
2.025	OD113324/2022-2023 - Labour for cutting DI pipe with steel saw 200 mm diameter of DI Pipe	60.000	Each Cut	485.00	29100.00	Rupees Twenty Nine Thousand One Hundred Zero Only
2.026	100.35.3 - Testing 200mm DI/CI pipeline with potable water to the required test pressure 200 mm dia Observed Data derived from item no.1020 of PHED DATA	3326.000	metre	45.00	149670.00	Rupees One Lakh Forty Nine Thousand Six Hundred Seventy Zero Only
2.027	100.14.2 - Conveying and laying S&S Centrifugally	1489.000	metre	98.00	145922.00	Rupees One Lakh Forty Five

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 150mm diameter Ductile Iron Class K-9 Pipes.					Thousand Nine Hundred Twenty Two Only
2.028	18.70.2 - 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	275.000	joint	198.00	54450.00	Rupees Fifty Four Thousand Four Hundred Fifty Zero Only
2.029	18.30.4 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm diameter pipe	3.000	no	430.00	1290.00	Rupees One Thousand Two Hundred Ninety Zero Only
2.030	OD113325/2022-2023 - Labour for cutting DI pipe with steel saw 150 mm diameter of DI Pipe	15.000	Each Cut	360.00	5400.00	Rupees Five Thousand Four Hundred Zero Only
2.031	100.35.2 - Testing 150mm DI/CI pipeline with potable water to the required test pressure 150 mm dia Observed Data derived from item no.1018 of PHED DATA	1489.000	metre	35.00	52115.00	Rupees Fifty Two Thousand One Hundred Fifteen Only
2.032	18.69.1 - Providing and laying D.I Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Upto 600 mm dia	5.730	quintal	23000.00	131790.00	Rupees One Lakh Thirty One Thousand Seven Hundred Ninety Zero Only
2.033	18.68.1 - Providing and laying D.I specials of class K - 12 suitable for push - on jointing as per IS : 9523 :Upt 600 mm dia	115.360	quintal	22000.00	2537920.00	Rupees Twenty Five Lakh Thirty Seven Thousand Nine Hundred Twenty Only
2.034	100.32.4 - Conveying and fixing C. I. Double Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 80mm Double Acting Air Valve.	3.000	no	240.00	720.00	Rupees Seven Hundred Twenty Only
2.035	100.32.3 - Conveying and fixing C. I. Double Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 50mm	1.000	no	240.00	240.00	Rupees Two Hundred Forty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Double Acting Air Valve.					
2.036	100.32.2 - Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 40mm Single Acting Air Valve.	9.000	no	200.00	1800.00	Rupees One Thousand Eight Hundred Zero Only
2.037	100.32.1 - Conveying and fixing C. I. Single Acting Air Valve of approved quality with bolts, nuts, rubber insertions etc., complete, but excluding the cost of air valve (tail pieces, if required, will be paid separately): 25mm Single Acting Air Valve.	58.000	no	150.00	8700.00	Rupees Eight Thousand Seven Hundred Zero Only
2.038	100.31.1.7 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I.	1.000	no	2900.00	2900.00	Rupees Two Thousand Nine Hundred Zero Only
2.039	100.31.1.6 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 250mm diameter, Class I.	1.000	no	2500.00	2500.00	Rupees Two Thousand Five Hundred Zero Only
2.040	100.31.1.5 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 200mm diameter, Class I.	1.000	no	1750.00	1750.00	Rupees One Thousand Seven Hundred Fifty Zero Only
2.041	100.31.1.4 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 150mm diameter, Class I.	1.000	no	1350.00	1350.00	Rupees One Thousand Three Hundred Fifty Zero Only
2.042	100.31.1.1 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts,	28.000	no	660.00	18480.00	Rupees Eighteen Thousand Four

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 80mm diameter, Class I.					Hundred Eighty Zero Only
2.043	100.37.9.1 - In situ fabrication of M.S. pipes of size 300mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	20.000	metre	8800.00	176000.00	Rupees One Lakh Seventy Six Thousand Zero Zero Only
2.044	100.37.9.2 - Fabricating M.S. flanges of diameter 300mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	8.000	no	3250.00	26000.00	Rupees Twenty Six Thousand Zero Zero Only
2.045	100.37.9.3 - Cutting 300mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	10.000	no	350.00	3500.00	Rupees Three Thousand Five Hundred Zero Only
2.046	100.37.9.4 - Welding 300mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	10.000	no	1330.00	13300.00	Rupees Thirteen Thousand Three Hundred Zero Only
2.047	100.37.9.5 - Grinding cut and weld edges of 300mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	20.000	no	250.00	5000.00	Rupees Five Thousand Zero Zero Only
2.048	100.37.8.1 - In situ fabrication of M.S. pipes of size 250mm (I.D.) using 8mm thick M.S. plate including cost and	25.000	metre	7700.00	192500.00	Rupees One Lakh Ninety Two Thousand Five Hundred

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.					Zero Only
2.049	100.37.8.2 - Fabricating M.S. flanges of diameter 250mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.	10.000	no	2750.00	27500.00	Rupees Twenty Seven Thousand Five Hundred Zero Only
2.050	100.37.8.3 - Cutting 250mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	12.000	no	290.00	3480.00	Rupees Three Thousand Four Hundred Eighty Zero Only
2.051	100.37.8.4 - Welding 250mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	12.000	no	1100.00	13200.00	Rupees Thirteen Thousand Two Hundred Zero Only
2.052	100.37.8.5 - Grinding cut and weld edges of 250mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	24.000	no	210.00	5040.00	Rupees Five Thousand Zero Forty Zero Only
2.053	100.37.7.1 - In situ fabrication of M.S. pipes of size 200mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	33.000	metre	6600.00	217800.00	Rupees Two Lakh Seventeen Thousand Eight Hundred Zero Only
2.054	100.37.7.2 - Fabricating M.S. flanges of diameter 200mm	12.000	no	2200.00	26400.00	Rupees Twenty Six Thousand

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated with 8mm thick M.S. plates.					Four Hundred Zero Only
2.055	100.37.7.3 - Cutting 200mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	16.000	no	240.00	3840.00	Rupees Three Thousand Eight Hundred Forty Zero Only
2.056	100.37.7.4 - Welding 200mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	16.000	no	900.00	14400.00	Rupees Fourteen Thousand Four Hundred Zero Only
2.057	100.37.7.5 - Grinding cut and weld edges of 200mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	32.000	no	170.00	5440.00	Rupees Five Thousand Four Hundred Forty Zero Only
2.058	100.37.6.1 - In situ fabrication of M.S. pipes of size 150mm (I.D.) using 8mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete.	15.000	metre	5500.00	82500.00	Rupees Eighty Two Thousand Five Hundred Zero Only
2.059	100.37.6.2 - Fabricating M.S. flanges of diameter 150mm using 12mm thick M.S. plate including cost and conveyance charges of M.S. plate, all fabrication charges, charges of painting the steel work with two or more coat deluxe multi surface paint to give an even shade over an under-coat of primer etc., complete: For pipes fabricated	6.000	no	1650.00	9900.00	Rupees Nine Thousand Nine Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	with 8mm thick M.S. plates.					
2.060	100.37.6.3 - Cutting 150mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	8.000	no	185.00	1480.00	Rupees One Thousand Four Hundred Eighty Zero Only
2.061	100.37.6.4 - Welding 150mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	8.000	no	700.00	5600.00	Rupees Five Thousand Six Hundred Zero Only
2.062	100.37.6.5 - Grinding cut and weld edges of 150mm (I.D.) M.S. pipes during fabrication work including all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	16.000	no	130.00	2080.00	Rupees Two Thousand Zero Eighty Zero Only
2.063	2.6.1 - 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	96.000	cum	240.00	23040.00	Rupees Twenty Three Thousand Zero Forty Zero Only
2.064	4.1.3 - 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 (zone-III) : 4 graded stone aggregate 20 mm nominal size)	60.160	cum	9000.00	541440.00	Rupees Five Lakh Forty One Thousand Four Hundred Forty Zero Only
2.065	5.1.2 - 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:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size)	53.751	cum	10200.00	548260.20	Rupees Five Lakh Forty Eight Thousand Two Hundred Sixty Zero And Twenty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
2.066	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for: Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	250.000	sqm	800.00	200000.00	Rupees Two Lakh Zero Zero Zero Only
2.067	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for: Foundations, footings, bases of columns, etc for mass concrete	344.700	sqm	375.00	129262.50	Rupees One Lakh Twenty Nine Thousand Two Hundred Sixty Two And Fifty Zero paise Only
2.068	5.22.6 - 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	3240.000	kilogram	110.00	356400.00	Rupees Three Lakh Fifty Six Thousand Four Hundred Zero Only
2.069	16.83 - 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.	900.000	sqm	120.00	108000.00	Rupees One Lakh Eight Thousand Zero Zero Only
2.070	16.84 - 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.)	720.000	sqm	430.00	309600.00	Rupees Three Lakh Nine Thousand Six Hundred Zero Only
2.071	16.68 - Providing and laying 60 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, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with	180.000	sqm	1140.00	205200.00	Rupees Two Lakh Five Thousand Two Hundred Zero Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	fine sand etc. all complete as per the direction of Engineer-in-charge.					
<b>3</b>	<b>Providing FHTCs</b>					
3.001	100.60.13.4.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 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, GI / MS 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.	224.000	no	8000.00	1792000.00	Rupees Seventeen Lakh Ninety Two Thousand Zero Zero Only
3.002	100.60.13.6.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 25mm ( 3/4 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,	336.000	no	9000.00	3024000.00	Rupees Thirty Zero Lakh Twenty Four Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	couplers, GI / MS 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.					
3.003	100.60.13.1.2 - 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, PE 80, 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	782.000	no	8000.00	6256000.00	Rupees Sixty Two Lakh Fifty Six Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
3.004	100.60.13.3.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 25mm (3/4 inch) PE Pipe, PE 80, 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 and weather with ISI mark 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.	1174.000	no	9000.00	10566000.00	Rupees One Crore Five Lakh Sixty Six Thousand Zero Zero Only
3.005	100.60.14.7.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing CI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to	80.000	no	9500.00	760000.00	Rupees Seven Lakh Sixty Zero Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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 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.					
3.006	100.60.14.9.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing CI mains from 150mm to 200mm dia., up to a length of 5 m using 25mm ( 3/4 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 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,	118.000	no	10500.00	1239000.00	Rupees Twelve Lakh Thirty Nine Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
3.007	100.60.21.1.1 - Providing 15mm ( 1/2 inch ) GM Air Valve in the water meter assembly for 15mm water connection, using 20mm ( 1/2 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	1086.000	no	1100.00	1194600.00	Rupees Eleven Lakh Ninety Four Thousand Six Hundred Zero Only
3.008	100.60.21.2.1 - Providing 20mm ( 3/4 inch ) GM Air Valve in the water meter assembly for 20mm water connection, using 25mm ( 3/4 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.	1628.000	no	1375.00	2238500.00	Rupees Twenty Two Lakh Thirty Eight Thousand Five Hundred Zero Only
3.009	100.60.23.3.1 - Providing 15mm PVC Tap in the water meter assembly for 15mm ( 1/2 inch ) water connection, using 20mm ( 1/2 inch ) Indian Standard uPVC Class 6 pipes, uPVC specials and PP PN 16 Compression specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.	1086.000	no	750.00	814500.00	Rupees Eight Lakh Fourteen Thousand Five Hundred Zero Only
3.010	100.60.23.4.1 - Providing 15mm PVC Tap in the water meter assembly for 20mm (	1628.000	no	860.00	1400080.00	Rupees Fourteen Lakh Zero Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	3/4 inch ) water connection, using 25mm ( 3/4 inch ) Indian Standard Class 6 uPVC pipes, uPVC specials and PP PN 16 Compression specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.					Eighty Zero Only
3.011	100.60.15.1.1 - 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.	26064.000	metre	200.00	5212800.00	Rupees Fifty Two Lakh Twelve Thousand Eight Hundred Zero Only
3.012	100.60.15.2.1 - Providing additional length of house connection pipe using 25 mm (3/4 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN 16 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.	78144.000	metre	212.00	16566528.00	Rupees One Crore Sixty Five Lakh Sixty Six Thousand Five Hundred Twenty Eight Only
3.013	15.2.1 - Demolishing cement	112.500	cum	2350.00	264375.00	Rupees Two

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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)					Lakh Sixty Four Thousand Three Hundred Seventy Five Only
3.014	100.59.1 - 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.	6000.000	metre	35.00	210000.00	Rupees Two Lakh Ten Thousand Zero Zero Only
3.015	15.59 - Dismantling of flexible pavement ( bituminous courses ) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.	720.000	cum	430.00	309600.00	Rupees Three Lakh Nine Thousand Six Hundred Zero Only
<b>4</b>	<b>Road restoration charges PWD/SH/NH</b>					
4.001	3.6 - Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m	3920.000	cum	50.00	196000.00	Rupees One Lakh Ninety Six Thousand Zero Zero Only
4.002	4.2.A.1 - 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	3248.000	cum	3280.00	10653440.00	Rupees One Crore Six Lakh Fifty Three Thousand Four Hundred Forty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method					
4.003	4.12 - 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.	288.000	cum	3375.00	972000.00	Rupees Nine Lakh Seventy Two Thousand Zero Zero Only
4.004	5.1.a - 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.	2900.000	sqm	73.00	211700.00	Rupees Two Lakh Eleven Thousand Seven Hundred Zero Only
4.005	5.2.b - Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.25 - 0.30 kg per sqm on the prepared Granular Surface cleaned with mechanical broom.	2900.000	sqm	15.00	43500.00	Rupees Forty Three Thousand Five Hundred Zero Only
4.006	5.3.2.a - 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)	75.000	cum	8700.00	652500.00	Rupees Six Lakh Fifty Two Thousand Five Hundred Zero Only
4.007	5.2.a - Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous	1500.000	sqm	12.00	18000.00	Rupees Eighteen Thousand Zero Zero Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	surface cleaned with mechanical broom.					
4.008	5.6.2.a - 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)	45.000	cum	13300.00	598500.00	Rupees Five Lakh Ninety Eight Thousand Five Hundred Zero Only
4.009	5.7.1 - 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 the required level and grade.	1400.000	sqm	210.00	294000.00	Rupees Two Lakh Ninety Four Thousand Zero Zero Only
4.010	5.8.a - Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder (VG 30) laid on the prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grading I - 19 mm nominal chipping size	1400.000	sqm	110.00	154000.00	Rupees One Lakh Fifty Four Thousand Zero Zero Only
4.011	12.4 - Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration	100.000	cum	6700.00	670000.00	Rupees Six Lakh Seventy Zero Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	including curing for 14 days.					
4.012	12.8.B.1 - Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications &lt;br&gt; PCC Grade M20&lt;br&gt;	50.000	cum	8300.00	415000.00	Rupees Four Lakh Fifteen Thousand Zero Zero Only
<b>5</b>	<b>Road restoration charges LSGD</b>					
5.001	3.5.3 - Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m &lt;br&gt; Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3	1245.000	cum	37.00	46065.00	Rupees Forty Six Thousand Zero Sixty Five Only
5.002	4.1.A.1 - Granular Sub-base with Well Graded Material (Table 400.1) &lt;br&gt; (A) By Mix in Place Method &lt;br&gt; Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. &lt;br&gt; (i) For Grading I Material	660.000	cum	3100.00	2046000.00	Rupees Twenty Lakh Forty Six Thousand Zero Zero Only
5.003	4.9 - Wet Mix Macadam &lt;br&gt; Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired	360.000	cum	3450.00	1242000.00	Rupees Twelve Lakh Forty Two Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406. & By Mechanical Means with 1 km lead					
5.004	5.1.1a - 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	3000.000	sqm	88.00	264000.00	Rupees Two Lakh Sixty Four Thousand Zero Only
5.005	5.2.3a - 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.	3000.000	sqm	16.00	48000.00	Rupees Forty Eight Thousand Zero Zero Only
5.006	5.9.1.2a - 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)	3000.000	sqm	205.00	615000.00	Rupees Six Lakh Fifteen Thousand Zero Zero Only
5.007	5.12.A.3.2a - Seal Coat - Manual Means - Type C -	3000.000	sqm	87.00	261000.00	Rupees Two Lakh Sixty One

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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)					Thousand Zero Zero Only
5.008	11.4.3.1 - Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 III. P.C.C. grade M 20 (i) Nominal mix (1:2:4)	225.000	cum	8600.00	1935000.00	Rupees Nineteen Lakh Thirty Five Thousand Zero Zero Only

The above work awarded to the contractor Francis N..A,AAFPP5555L, at his quoted rate for individual items at a total accepted PAC 179174822( Seventeen Crore Ninety One Lakh Seventy Four Thousand Eight Hundred and Twenty Two Only) as per the condition of the contract.