

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 5 years experience), Site Engineers- 3 nos (2 nos for supervision and 1 no for Quality Control) - (Civil Engineering graduate with minimum 3 years experience), Supervisor- 4 nos (Civil Engineering Diploma holder with minimum 2 year experience) and Supervisor (Mechanical) (if required) - 1 no (Mechanical Engineering Diploma holder with minimum 2 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 **3 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.

JAYACHANRAN R(G11765)
Superintending Engineer

ACCEPTED SCHEDULE

Name of Work: Jal Jeevan Mission (JJM)-Jal Jeevan Mission- 2020-21- CWSS to Agali and adjoining Panchayaths-Phase-II- Providing Distribution network & FHTC's in Agali Panchayath.-Jal Jeevan Mission- 2020-21- CWSS to Agali and adjoining Panchayaths-Phase-II- Providing Distribution network & FHTC's in Agali Panchayath.-Pipeline Work
(DSR 2018 with Cost Index 134.75)

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
1	Appendix-I-Construction of 11.00 LL GLSR at Plamaram					
1.001	2.31 - Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	625.000	sqm	19.00	11875.00	Rupees Eleven Thousand Eight Hundred Seventy Five Only
1.002	2.33.1 - Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30 cm girth up to and including 60 cm girth	5.000	each	450.00	2250.00	Rupees Two Thousand Two Hundred Fifty Zero Only
1.003	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	345.485	cum	268.00	92589.98	Rupees Ninety Two Thousand Five Hundred Eighty Nine And Ninety Eight paise Only
1.004	2.7.1 - 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	148.065	cum	823.00	121857.50	Rupees One Lakh Twenty One Thousand Eight Hundred Fifty Seven And Fifty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	levelled and neatly dressed. Ordinary rock					
1.005	4.1.6 - 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)	0.324	cum	8904.00	2884.90	Rupees Two Thousand Eight Hundred Eighty Four And Ninety Zero paise Only
1.006	4.2.5 - Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	36.100	cum	9734.00	351397.40	Rupees Three Lakh Fifty One Thousand Three Hundred Ninety Seven And Forty Zero paise Only
1.007	5.1.3 - 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)	7.500	cum	11947.00	89602.50	Rupees Eighty Nine Thousand Six Hundred Two And Fifty Zero paise Only
1.008	5.33.1 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:-	107.744	cum	12028.00	1295944.83	Rupees Twelve Lakh Ninety Five Thousand Nine Hundred Forty Four And Eighty Three paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work upto plinth level					
1.009	5.33.2 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level	129.002	cum	12443.00	1605171.89	Rupees Sixteen Lakh Five Thousand One Hundred Seventy One And Eighty Nine paise Only
1.010	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	31964.360	kilogram	90.00	2876792.40	Rupees Twenty Eight Lakh Seventy Six Thousand Seven Hundred Ninety Two And Forty Zero paise Only
1.011	5.34.1 - Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	234.383	cum	161.00	37735.66	Rupees Thirty Seven Thousand Seven Hundred Thirty Five And Sixty Six paise Only
1.012	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	1.796	cum	12028.00	21602.29	Rupees Twenty One Thousand Six Hundred Two And Twenty Eight paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	level:1:1:5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size					
1.013	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	371.454	sqm	689.00	255931.81	Rupees Two Lakh Fifty Five Thousand Nine Hundred Thirty One And Eighty One paise Only
1.014	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buttersses, plinth and string courses etc.	590.076	sqm	664.00	391810.46	Rupees Three Lakh Ninety One Thousand Eight Hundred Ten And Forty Six paise Only
1.015	5.9.5 - Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers	113.094	sqm	627.00	70909.94	Rupees Seventy Zero Thousand Nine Hundred Nine And Ninety Four paise Only
1.016	50.6.1.2 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc complete.	28.200	cum	7500.00	211500.00	Rupees Two Lakh Eleven Thousand Five Hundred Zero Only
1.017	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	1597.388	sqm	462.00	737993.26	Rupees Seven Lakh Thirty Seven Thousand Nine Hundred Ninety Three And Twenty Six paise Only
1.018	13.7.2 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)	282.000	sqm	462.00	130284.00	Rupees One Lakh Thirty Zero Thousand Two Hundred Eighty Four Only
1.019	100.41.33 - Supplying and fixing 500mm dia C.I. manhole cover with frame (medium duty) charges including all cost, labour charges etc., complete.	2.000	no	9300.00	18600.00	Rupees Eighteen Thousand Six Hundred Zero Only
1.020	13.48.1 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per m a n u f a c t u r e r s	292.800	sqm	202.00	59145.60	Rupees Fifty Nine Thousand One Hundred Forty Five And Sixty Zero paise

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr/10 sqm					Only
1.021	100.36.1 - Filling water with 5000 litre tankers fitted in lorry and conveying water from a distance of 5 km (average) to the reservoir site and pumping the water into the reservoir of height not less than 3 m using 5 HP diesel engine pump set , hire for tanker lorry, tools and other appliances and cost of water etc. complete.	1100.000	Kilo litre	384.00	422400.00	Rupees Four Lakh Twenty Two Thousand Four Hundred Zero Only
1.022	7.1.1 - 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)	13.230	cum	6322.00	83640.06	Rupees Eighty Three Thousand Six Hundred Forty Zero And Six paise Only
1.023	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	125.000	kg	175.00	21875.00	Rupees Twenty One Thousand Eight Hundred Seventy Five Only
1.024	18.25.1 - Providing and laying S & S C.I standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class):Upto 300 mm dia	2.800	quintal	7233.00	20252.40	Rupees Twenty Thousand Two Hundred Fifty Two And Forty Zero paise Only
1.025	18.73.4 - Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS: 8329 :250 mm dia Ductile Iron Double Flanged	20.000	metre	198.00	3960.00	Rupees Three Thousand Nine Hundred Sixty Zero Only
1.026	100.98.486 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 -	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	2000, Sluice Valve with Hand Wheel PN 1.6, Size 250mm.					Two Only
1.027	100.31.2.6 - 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 II.	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only
1.028	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	1.520	quintal	23782.00	36148.64	Rupees Thirty Six Thousand One Hundred Forty Eight And Sixty Four paise Only
1.029	OD88310/2022-2023 - Supplying fabricating conveying and fixing water level indicator made in GI sheet of 3 mm (or nearest thickness) , of 20 cm minimum width and required height in full water level, painted , lettering done by using superior quality paint after applying primer, in suitable colour as per directions, fixing at a level to avoid any damages, fixing nylone rope, pully arrangement, standard quality float, etc. as per direction of Engineer at site.	1.000	set	14617.00	14617.00	Rupees Fourteen Thousand Six Hundred Seventeen Only
1.030	13.71 - Lettering with black Japan pint of approved brand and manufacture	1500.000	per Letter per cm height	15.00	22500.00	Rupees Twenty Two Thousand Five Hundred Zero Only
1.031	OD98686/2022-2023 - Supplying and fixing Lightning Arrestor including lightning conductor of GI 7/10" SWG (10mm) diameter standard wire with lightning rod of 25mm diameter, 3 meters long with earth electrode 25mm diameter, 2.75 meters long GI pipe from ground level connecting 50mm diameter, 1.40 meters long perforated GI pipe including fixing of clamps as per IS:2309. fixing all accessories etc complete	1.000	set	47037.00	47037.00	Rupees Forty Seven Thousand Zero Thirty Seven Only
1.032	10.28 - Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc.,	100.000	kg	673.00	67300.00	Rupees Sixty Seven Thousand Three Hundred Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)					Only
1.033	10.26.3 - Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes	1200.000	kg	163.00	195600.00	Rupees One Lakh Ninety Five Thousand Six Hundred Zero Only
1.034	13.52.1 - Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.On steel work	59.000	sqm	279.00	16461.00	Rupees Sixteen Thousand Four Hundred Sixty One Only
2	Appendix-II-Construction of 6.00 LL GLSR at Munimala					
2.001	2.33.1 - Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.Beyond 30 cm girth up to and including 60 cm girth	10.000	each	450.00	4500.00	Rupees Four Thousand Five Hundred Zero Only
2.002	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,	1381.233	cum	268.00	370170.44	Rupees Three Lakh Seventy Zero Thousand One Hundred Seventy Zero And Forty Four paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	disposed earth to be levelled and neatly dressed.All kinds of soil					
2.003	2.7.1 - 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.Ordinary rock	630.981	cum	823.00	519297.36	Rupees Five Lakh Nineteen Thousand Two Hundred Ninety Seven And Thirty Six paise Only
2.004	4.1.4 - 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)1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	46.375	cum	8074.00	374431.75	Rupees Three Lakh Seventy Four Thousand Four Hundred Thirty One And Seventy Five paise Only
2.005	7.1.1 - 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)	72.124	cum	6322.00	455967.93	Rupees Four Lakh Fifty Five Thousand Nine Hundred Sixty Seven And Ninety Three paise Only
2.006	7.6.1 - Coursed rubble masonry (first sort) with hard stone in foundation and plinth with:Cement mortar 1:6 (1 cement : 6 coarse sand)	20.323	cum	7512.00	152666.38	Rupees One Lakh Fifty Two Thousand Six Hundred Sixty Six And Thirty Eight paise Only
2.007	5.33.1 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without	107.180	cum	12028.00	1289161.04	Rupees Twelve Lakh Eighty Nine Thousand One Hundred Sixty One And Four paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work upto plinth level					
2.008	5.33.2 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level	98.986	cum	12443.00	1231682.80	Rupees Twelve Lakh Thirty One Thousand Six Hundred Eighty Two And Eighty Zero paise Only
2.009	5.34.1 - Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	206.166	cum	161.00	33192.73	Rupees Thirty Three Thousand One Hundred Ninety Two And Seventy Three paise Only
2.010	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	24856.863	kilogram	90.00	2237117.67	Rupees Twenty Two Lakh Thirty Seven Thousand One Hundred Seventeen And Sixty Seven paise Only
2.011	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs,	518.935	sqm	689.00	357546.22	Rupees Three Lakh Fifty Seven Thousand Five

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	landings, balconies and access platform					Hundred Forty Six And Twenty Two paise Only
2.012	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.	613.800	sqm	664.00	407563.20	Rupees Four Lakh Seven Thousand Five Hundred Sixty Three And Twenty Zero paise Only
2.013	5.9.5 - Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers	109.520	sqm	627.00	68669.04	Rupees Sixty Eight Thousand Six Hundred Sixty Nine And Four paise Only
2.014	50.6.1.2 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc complete.	30.240	cum	7500.00	226800.00	Rupees Two Lakh Twenty Six Thousand Eight Hundred Zero Only
2.015	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	1166.343	sqm	462.00	538850.47	Rupees Five Lakh Thirty Eight Thousand Eight Hundred Fifty Zero And Forty Seven paise Only
2.016	100.41.33 - Supplying and fixing 500mm dia C.I. manhole cover with frame (medium duty) charges including all cost, labour charges etc., complete.	2.000	no	9300.00	18600.00	Rupees Eighteen Thousand Six Hundred Zero Only
2.017	13.7.2 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)	302.400	sqm	462.00	139708.80	Rupees One Lakh Thirty Nine Thousand Seven Hundred Eight And Eighty Zero paise Only
2.018	100.31.2.6 - 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 II.	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only
2.019	100.98.486 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 -	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	2000, Sluice Valve with Hand Wheel PN 1.6, Size 250mm.					Two Only
2.020	100.36.1 - Filling water with 5000 litre tankers fitted in lorry and conveying water from a distance of 5 km (average) to the reservoir site and pumping the water into the reservoir of height not less than 3 m using 5 HP diesel engine pump set , hire for tanker lorry, tools and other appliances and cost of water etc. complete.	600.000	Kilo litre	384.00	230400.00	Rupees Two Lakh Thirty Zero Thousand Four Hundred Zero Only
2.021	13.71 - Lettering with black Japan pint of approved brand and manufacture	1000.000	per Letter per cm height	15.00	15000.00	Rupees Fifteen Thousand Zero Zero Only
2.022	13.48.1 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm	532.111	sqm	202.00	107486.42	Rupees One Lakh Seven Thousand Four Hundred Eighty Six And Forty Two paise Only
2.023	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	150.000	kg	175.00	26250.00	Rupees Twenty Six Thousand Two Hundred Fifty Zero Only
2.024	10.28 - Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with	100.000	kg	571.00	57100.00	Rupees Fifty Seven Thousand One Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)					
2.025	10.26.3 - Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes	1526.093	kg	157.00	239596.60	Rupees Two Lakh Thirty Nine Thousand Five Hundred Ninety Six And Sixty Zero paise Only
2.026	13.52.1 - Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.On steel work	32.063	sqm	279.00	8945.58	Rupees Eight Thousand Nine Hundred Forty Five And Fifty Seven paise Only
2.027	OD98227/2022-2023 - Supplying and Fixing Water Level Indicator	1.000	no	12803.00	12803.00	Rupees Twelve Thousand Eight Hundred Three Only
2.028	OD98255/2022-2023 - Supply and Providing Lightning arrestor as per Standard Specification	1.000	set	41218.00	41218.00	Rupees Forty One Thousand Two Hundred Eighteen Only
2.029	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	1.800	quintal	22202.00	39963.60	Rupees Thirty Nine Thousand Nine Hundred Sixty Three And Sixty Zero paise Only
2.030	18.25.1 - Providing and laying S & S C.I standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class):Upto 300 mm dia	2.450	quintal	7233.00	17720.85	Rupees Seventeen Thousand Seven Hundred Twenty And Eighty Five paise Only
2.031	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	2.160	cum	12028.00	25980.48	Rupees Twenty Five Thousand Nine Hundred Eighty Zero And Forty Eight paise Only
3	Appendix-III-Construction of 6.00 LL GLSR cum BPT at Thachamala Plantation,Plamararam					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
3.001	2.33.1 - Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 30 cm girth up to and including 60 cm girth	10.000	each	450.00	4500.00	Rupees Four Thousand Five Hundred Zero Only
3.002	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	881.233	cum	268.00	236170.44	Rupees Two Lakh Thirty Six Thousand One Hundred Seventy Zero And Forty Four paise Only
3.003	2.7.1 - 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. Ordinary rock	642.837	cum	823.00	529054.85	Rupees Five Lakh Twenty Nine Thousand Zero Fifty Four And Eighty Five paise Only
3.004	7.1.1 - 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)	72.124	cum	6322.00	455967.93	Rupees Four Lakh Fifty Five Thousand Nine Hundred Sixty Seven And Ninety Three paise Only
3.005	7.6.1 - Coursed rubble masonry (first sort) with hard stone in foundation and plinth with: Cement mortar 1:6 (1 cement : 6 coarse sand)	20.323	cum	7512.00	152666.38	Rupees One Lakh Fifty Two Thousand Six Hundred Sixty Six And Thirty Eight paise Only
3.006	4.1.4 - 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 (1 cement :	46.375	cum	8013.00	371602.88	Rupees Three Lakh Seventy One Thousand Six Hundred Two And Eighty Eight

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	2 coarse sand : 4 graded stone aggregate 40 mm nominal size)					paise Only
3.007	5.33.1 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work upto plinth level	107.180	cum	12028.00	1289161.04	Rupees Twelve Lakh Eighty Nine Thousand One Hundred Sixty One And Four paise Only
3.008	5.33.2 - Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level	98.986	cum	12443.00	1231682.80	Rupees Twelve Lakh Thirty One Thousand Six Hundred Eighty Two And Eighty Zero paise Only
3.009	5.34.1 - Extra for providing richer mixes at all floor	206.166	cum	161.00	33192.73	Rupees Thirty Three Thousand

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	levels. Note:- Excess/less cement over the specified cement content used is payable/ recoverable separately. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).					One Hundred Ninety Two And Seventy Three paise Only
3.010	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	23857.503	kilogram	90.00	2147175.27	Rupees Twenty One Lakh Forty Seven Thousand One Hundred Seventy Five And Twenty Seven paise Only
3.011	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)	2.160	cum	12028.00	25980.48	Rupees Twenty Five Thousand Nine Hundred Eighty Zero And Forty Eight paise Only
3.012	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	522.955	sqm	689.00	360316.00	Rupees Three Lakh Sixty Zero Thousand Three Hundred Sixteen Only
3.013	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.	613.800	sqm	664.00	407563.20	Rupees Four Lakh Seven Thousand Five Hundred Sixty Three And Twenty Zero paise Only
3.014	5.9.5 - Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers	109.520	sqm	627.00	68669.04	Rupees Sixty Eight Thousand Six Hundred Sixty Nine And Four paise Only
3.015	50.6.1.2 - Solid block masonry using pre cast solid blocks (Factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement: 6 coarse sand) etc complete.	30.240	cum	10149.00	306905.76	Rupees Three Lakh Six Thousand Nine Hundred Five And Seventy Six paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
3.016	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	1401.246	sqm	462.00	647375.65	Rupees Six Lakh Forty Seven Thousand Three Hundred Seventy Five And Sixty Five paise Only
3.017	100.41.33 - Supplying and fixing 500mm dia C.I. manhole cover with frame (medium duty) charges including all cost, labour charges etc., complete.	2.000	no	9300.00	18600.00	Rupees Eighteen Thousand Six Hundred Zero Only
3.018	13.7.2 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)	302.400	sqm	462.00	139708.80	Rupees One Lakh Thirty Nine Thousand Seven Hundred Eight And Eighty Zero paise Only
3.019	100.31.2.6 - 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 II.	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only
3.020	100.98.486 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Hand Wheel PN 1.6, Size 250mm.	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only
3.021	100.31.2.9 - 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): 400mm diameter, Class II.	1.000	no	5820.00	5820.00	Rupees Five Thousand Eight Hundred Twenty Only
3.022	100.36.1 - Filling water with 5000 litre tankers fitted in lorry and conveying water from a distance of 5 km (average) to the reservoir site and pumping the water into the reservoir of height not less than 3 m using 5 HP diesel engine pump set , hire for tanker lorry, tools and other appliances and cost of water etc. complete.	600.000	Kilo litre	384.00	230400.00	Rupees Two Lakh Thirty Zero Thousand Four Hundred Zero Only
3.023	13.71 - Lettering with black Japan pint of approved brand	1000.000	per Letter	15.00	15000.00	Rupees Fifteen Thousand Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	and manufacture		per cm height			Zero Only
3.024	13.48.1 - Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm	532.111	sqm	202.00	107486.42	Rupees One Lakh Seven Thousand Four Hundred Eighty Six And Forty Two paise Only
3.025	10.25.2 - Item Shifted to Sub head 14 as item 14.73 Item Shifted to head 14 as item 14.74 Steel work welded in built up sections/framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	150.000	kg	175.00	26250.00	Rupees Twenty Six Thousand Two Hundred Fifty Zero Only
3.026	10.28 - Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	100.000	kg	580.00	58000.00	Rupees Fifty Eight Thousand Zero Zero Only
3.027	10.26.3 - Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.G.I. pipes	999.341	kg	157.00	156896.54	Rupees One Lakh Fifty Six Thousand Eight Hundred Ninety Six And Fifty Four paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
3.028	13.52.1 - Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	64.898	sqm	279.00	18106.54	Rupees Eighteen Thousand One Hundred Six And Fifty Four paise Only
3.029	OD104010/2022-2023 - Supplying fabricating conveying and fixing water level indicator made in GI sheet of 3 mm (or nearest thickness) , of 20 cm minimum width and required height in full water level, painted , lettering done by using superior quality paint after applying primer, in suitable colour as per directions, fixing at a level to avoid any damages, fixing nylon rope, pully arrangement, standard quality float, etc. as per direction of Engineer at site.	1.000	no	14617.00	14617.00	Rupees Fourteen Thousand Six Hundred Seventeen Only
3.030	OD104009/2022-2023 - Supplying and fixing Lightning Arrestor including lightning conductor of GI 7/10" SWG (10mm) diameter standard wire with lightning rod of 25mm diameter, 3 meters long with earth electrode 25mm diameter, 2.75 meters long GI pipe from ground level connecting 50mm diameter, 1.40 meters long perforated GI pipe including fixing of clamps as per IS:2309. fixing all accessories etc complete	1.000	set	41218.00	41218.00	Rupees Forty One Thousand Two Hundred Eighteen Only
3.031	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	2.050	quintal	22202.00	45514.10	Rupees Forty Five Thousand Five Hundred Fourteen And Ten paise Only
3.032	18.25.1 - Providing and laying S & S C.I standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class):Upto 300 mm dia	2.150	quintal	7233.00	15550.95	Rupees Fifteen Thousand Five Hundred Fifty Zero And Ninety Five paise Only
3.033	100.98.462 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.	2.000	no	36285.00	72570.00	Rupees Seventy Two Thousand Five Hundred Seventy Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
4	Appendix-IV-Supply and laying of CWPS and CWPM from WTP to Proposed 6.00 LL GLSR at Munimala -Cost of materials and working charges					
4.001	100.98.117 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.	4500.000	metre	3134.00	14103000.00	Rupees One Crore Forty One Lakh Three Thousand Zero Zero Only
4.002	OD115377/2022-2023 - In situ fabrication of M.S. pipes of size 200mm (I.D.) using 10mm 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.	5000.000	metre	6927.00	34635000.00	Rupees Three Crore Forty Six Lakh Thirty Five Thousand Zero Zero Only
4.003	100.98.457 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	9.000	no	6879.00	61911.00	Rupees Sixty One Thousand Nine Hundred Eleven Only
4.004	100.98.460 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	3.000	no	12582.00	37746.00	Rupees Thirty Seven Thousand Seven Hundred Forty Six Only
4.005	100.98.461 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.	1.000	no	27183.00	27183.00	Rupees Twenty Seven Thousand One Hundred Eighty Three Only
4.006	100.98.446 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Double Orifice Type DS2, Size 50mm.	9.000	no	8000.00	72000.00	Rupees Seventy Two Thousand Zero Zero Only
4.007	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 Double Acting Air Valve.	9.000	no	291.00	2619.00	Rupees Two Thousand Six Hundred Nineteen Only
4.008	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	6118.000	cum	443.00	2710274.00	Rupees Twenty Seven Lakh Ten Thousand Two Hundred Seventy Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
4.009	15.9.2 - 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	37.500	cum	1850.00	69375.00	Rupees Sixty Nine Thousand Three Hundred Seventy Five Only
4.010	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.	1000.000	metre	35.00	35000.00	Rupees Thirty Five Thousand Zero Zero Only
4.011	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 layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.	2141.300	cum	740.00	1584562.00	Rupees Fifteen Lakh Eighty Four Thousand Five Hundred Sixty Two Only
4.012	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including	437.000	cum	1152.00	503424.00	Rupees Five Lakh Three Thousand Four Hundred Twenty Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.					
4.013	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.	43.700	cum	1164.00	50866.80	Rupees Fifty Zero Thousand Eight Hundred Sixty Six And Eighty Zero paise Only
4.014	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.	4000.000	metre	24.00	96000.00	Rupees Ninety Six Thousand Zero Zero Only
4.015	100.14.3 - Conveying and laying S & amp ; 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.	4500.000	metre	150.00	675000.00	Rupees Six Lakh Seventy Five Thousand Zero Zero Only
4.016	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	9500.000	metre	48.00	456000.00	Rupees Four Lakh Fifty Six Thousand Zero Zero Only
4.017	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	935.000	joint	284.00	265540.00	Rupees Two Lakh Sixty Five Thousand Five Hundred Forty Zero Only
4.018	OD105075/2022-2023 - Cutting of 200mm dia. DI pipe with steel saw	10.000	Each Cut	300.00	3000.00	Rupees Three Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
4.019	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	6.692	quintal	22202.00	148575.78	Rupees One Lakh Forty Eight Thousand Five Hundred Seventy Five And Seventy Eight paise Only
4.020	OD99114/2022-2023 - Laying of 200 mm MS pipe	5000.000	metre	165.00	825000.00	Rupees Eight Lakh Twenty Five Thousand Zero Zero Only
4.021	OD115388/2022-2023 - 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 10mm thick M.S. plates.	100.000	no	270.00	27000.00	Rupees Twenty Seven Thousand Zero Zero Only
4.022	OD115392/2022-2023 - 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 10mm thick M.S. plates.	933.000	no	900.00	839700.00	Rupees Eight Lakh Thirty Nine Thousand Seven Hundred Zero Only
4.023	OD115398/2022-2023 - 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 10mm thick M.S. plates.	933.000	no	180.00	167940.00	Rupees One Lakh Sixty Seven Thousand Nine Hundred Forty Zero Only
4.024	100.37.7.2 - Fabricating M.S. flanges of diameter 200mm 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.	20.000	no	2000.00	40000.00	Rupees Forty Zero Thousand Zero Zero Only
4.025	18.30.5 - Providing flanged joints to double flanged C.I./D.I pipes and specials, including testing of joints:200 mm diameter pipe	20.000	no	673.00	13460.00	Rupees Thirteen Thousand Four Hundred Sixty Zero Only
4.026	100.31.2.4 - Conveying and	3.000	no	2037.00	6111.00	Rupees Six

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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 II.					Thousand One Hundred Eleven Only
4.027	100.31.2.1 - 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): 80mm diameter, Class II.	9.000	no	903.00	8127.00	Rupees Eight Thousand One Hundred Twenty Seven Only
4.028	100.31.2.5 - 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 II.	1.000	no	2154.00	2154.00	Rupees Two Thousand One Hundred Fifty Four Only
4.029	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	46.080	cum	268.00	12349.44	Rupees Twelve Thousand Three Hundred Forty Nine And Forty Four paise Only
4.030	2.7.1 - 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.Ordinary rock	0.691	cum	823.00	568.69	Rupees Five Hundred Sixty Eight And Sixty Nine paise Only
4.031	2.7.3 - 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,	1.152	cum	1439.00	1657.73	Rupees One Thousand Six Hundred Fifty Seven And Seventy Three paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.Hard rock (blasting prohibited)					
4.032	4.1.4 - 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)1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	3.375	cum	8904.00	30051.00	Rupees Thirty Zero Thousand Zero Fifty One Only
4.033	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.	126.000	sqm	664.00	83664.00	Rupees Eighty Three Thousand Six Hundred Sixty Four Only
4.034	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	36.000	sqm	689.00	24804.00	Rupees Twenty Four Thousand Eight Hundred Four Only
4.035	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	75.330	cum	12028.00	906069.24	Rupees Nine Lakh Six Thousand Zero Sixty Nine And Twenty Four paise Only
4.036	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	98.550	sqm	462.00	45530.10	Rupees Forty Five Thousand Five Hundred Thirty Zero And Ten paise Only
4.037	5.22.6 - 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	3110.400	kilogram	90.00	279936.00	Rupees Two Lakh Seventy Nine Thousand Nine Hundred Thirty Six Only
4.038	100.41.39 - Supply, stacking, spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading, unloading & stacking up to any lead.	80.000	cum	650.00	52000.00	Rupees Fifty Two Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
4.039	<p>OD109298/2022-2023 - Supply and erection of CF pump set with the following specification inclusive of 2 year guarantee-Pump; Supply, erection, testing and commissioning of KWA pre-qualified reputed make Centrifugal pump sets with Bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard, foundation bolts & nuts etc. complete suitable for coupling the pump and motor above the plate etc. complete including providing suitable concrete foundation including cost of cement, sand and metal etc. complete. The duty condition as follows speed of pump - 1500 RPM, discharge &ndash; 18 lps, Total head - 149 mtrs (2.) Motor : Supply, erection testing and commissioning of KWA prequalified reputed make horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415V IE3 energy efficient. The motor shall confirm to EEFI/IS 325 including providing suitable concrete foundation including cost of cement , sand and metal etc. complete. Flexible coupling shall be used for coupling of pumps and motors. (3.) Starter : Supply ,erection testing and commissioning of suitable rating (Fully automatic starter with air break contact for less than 100HP and for above 100HP FMCA starters to be used) starter suitable for the above motor with over voltage and under voltage protection, single face preventer, over load relay with motor protection relay with main contactor and bypass contactor as per IE rules and code of practice etc. complete (4.) Panel board (Suitable for operating two pump sets but one pump set at a time) Supply ,erection</p>	100.000	HP (Horse power)	30237.00	3023700.00	Rupees Thirty Zero Lakh Twenty Three Thousand Seven Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1No. Suitable capacity MCCB as incomer and 2Nos. Suitable capacity MCCB as out going (the two MCCBs are interlocking with each other)providing suitable size Aluminium bus bar interconnect the above MCCBs and fitted with 3Nos. of indicator lamps, 1No. volt meter with selector switch, 1No. Ammeter with selector switch etc. complete and provided with a common earth bus for the entire panel and interconnect with the MCCBs as per IE rules and code of practice. The panel shall be fitted on a common base frame on suitable foundation. (5) Cabling work : Supply , laying, testing and commissioning of suitable size XLPE cables for the above pump set from panel board to starter and from starter to motor considering energy conservations- (6) Earthing : Supply of al materials and providing suitable earthing by using suitable size pipe/plate earthing GI/Copper strip buried in ground and giving double earthing to motor, starter, panel board with ELCB/RCCB etc. as per IE standards. (7) Capacitor : Supply, erection testing and commissioning of heavy duty APP capacitor for the motor to get a power factor above 0.95. the capacitor shall confirm to IS 2834- (8) Valves : Supply of suitable size best quality heavy duty ISI marked CI double flanged sluice valve and non return valve with suitable pressure rating. Fitting of valves shall include proper RCC support especially for non return valves. In case of positive suction pump set sluice valve should be in suction as well as delivery sides for easy repair works. (9.) Suction and</p>					

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	delivery pipe connection; Supply and fitting of suitable size best quality GI/MS pipe of thickness not less than 8mm for a total length of 10m. suitable for the above pump set and suitable size foot valve and connecting the suction pipe and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery side of the pump with the valves and suitable specials to connect with the pumping main.					
4.040	OD99115/2022-2023 - Designing, Providing and commissioning a surge arrestor arrangement in suitable position after conducting surge analysis for proposed 200mm, DI K9 gravity main including design fabrication, and supply of 200mm MS D/F Zero velocity valve (PN 2.0), 150mm pressure relief valve /NR valve and necessary DI specials with necessary EWE, anchor blocks, construction of valve chamber and necessary road restoration works etc. as per the direction of departmental officers.	1.000	no	412171.00	412171.00	Rupees Four Lakh Twelve Thousand One Hundred Seventy One Only
4.041	OD130967/2022-2023 - Providing cathodic protection by sacrificial anode method using magnesium rods after detailed soil study and providing anodic materials at required intervals after ensuring required potential differences in the system as per relevant IS specification	1.000	L.S	513306.00	513306.00	Rupees Five Lakh Thirteen Thousand Three Hundred Six Only
5	Appendix-V-(A)- Supply and laying of 350 mm DI K9 CWGM FROM WTP to 11.00 LL GLSR at Plamaram-Cost of materials					
5.001	100.98.120 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 350mm Dia.	2350.000	metre	7187.00	16889450.00	Rupees One Crore Sixty Eight Lakh Eighty Nine Thousand Four Hundred Fifty Zero Only
5.002	18.73.6 - Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9	350.000	metre	11639.00	4073650.00	Rupees Forty Zero Lakh Seventy Three Thousand Six Hundred Fifty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	conforming to IS: 8329 :350 mm dia Ductile Iron Double Flanged					Zero Only
5.003	100.98.461 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.	1.000	no	27183.00	27183.00	Rupees Twenty Seven Thousand One Hundred Eighty Three Only
5.004	100.98.464 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 350mm.	2.000	no	81872.00	163744.00	Rupees One Lakh Sixty Three Thousand Seven Hundred Forty Four Only
5.005	100.98.436 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 80mm.	4.000	no	5219.00	20876.00	Rupees Twenty Thousand Eight Hundred Seventy Six Only
5.006	100.98.457 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	4.000	no	6879.00	27516.00	Rupees Twenty Seven Thousand Five Hundred Sixteen Only
6	Appendix-V-(B)- Working charges					
6.001	15.9.2 - 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	12.000	cum	1850.00	22200.00	Rupees Twenty Two Thousand Two Hundred Zero Only
6.002	15.2.1 - 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)	40.000	cum	3700.00	148000.00	Rupees One Lakh Forty Eight Thousand Zero Zero Only
6.003	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	200.000	metre	35.00	7000.00	Rupees Seven Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.					
6.004	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.	1500.000	metre	24.00	36000.00	Rupees Thirty Six Thousand Zero Zero Only
6.005	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.	2352.350	cum	443.00	1042091.05	Rupees Ten Lakh Forty Two Thousand Zero Ninety One And Five paise Only
6.006	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 layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.	719.688	cum	823.00	592303.22	Rupees Five Lakh Ninety Two Thousand Three Hundred Three And Twenty Two paise Only
6.007	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.	146.875	cum	1563.00	229565.63	Rupees Two Lakh Twenty Nine Thousand Five Hundred Sixty Five And Sixty Three paise Only
6.008	100.1.1.3 - Excavating	14.688	cum	1630.00	23941.44	Rupees Twenty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					Three Thousand Nine Hundred Forty One And Forty Four paise Only
6.009	100.14.6 - Conveying and laying S & amp ; S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 350mm diameter Ductile Iron Class K-9 Pipes.	2350.000	metre	250.00	587500.00	Rupees Five Lakh Eighty Seven Thousand Five Hundred Zero Only
6.010	18.70.6 - 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	455.000	joint	567.00	257985.00	Rupees Two Lakh Fifty Seven Thousand Nine Hundred Eighty Five Only
6.011	OD109364/2022-2023 - Cutting of 350mm dia. DI pipe with steel saw	25.000	Each Cut	1048.00	26200.00	Rupees Twenty Six Thousand Two Hundred Zero Only
6.012	100.35.6 - Testing 350mm DI/CI pipeline with potable water to the required test pressure. 350 mm dia Observed Data derived from item no.1024 of PHED DATA	2350.000	metre	88.00	206800.00	Rupees Two Lakh Six Thousand Eight Hundred Zero Only
6.013	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	25.392	cum	268.00	6805.06	Rupees Six Thousand Eight Hundred Five And Six paise Only
6.014	2.7.1 - Earth work in excavation by mechanical	5.713	cum	1234.00	7049.84	Rupees Seven Thousand Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.Ordinary rock					Forty Nine And Eighty Four paise Only
6.015	2.7.3 - 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.Hard rock (blasting prohibited)	0.635	cum	1645.00	1044.58	Rupees One Thousand Zero Forty Four And Fifty Seven paise Only
6.016	4.1.4 - 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)1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	1.881	cum	8904.00	16748.42	Rupees Sixteen Thousand Seven Hundred Forty Eight And Forty Two paise Only
6.017	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)	44.896	cum	9718.00	436299.33	Rupees Four Lakh Thirty Six Thousand Two Hundred Ninety Nine And Thirty Three paise Only
6.018	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.	67.110	sqm	664.00	44561.04	Rupees Forty Four Thousand Five Hundred Sixty One And Four paise Only
6.019	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	20.040	sqm	689.00	13807.56	Rupees Thirteen Thousand Eight Hundred Seven And Fifty Six paise Only
6.020	5.1.2 - Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering,	9.990	cum	12028.00	120159.72	Rupees One Lakh Twenty Thousand One Hundred Fifty Nine And

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					Seventy Two paise Only
6.021	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	59.070	sqm	462.00	27290.34	Rupees Twenty Seven Thousand Two Hundred Ninety Zero And Thirty Four paise Only
6.022	5.22.6 - 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	2145.900	kilogram	90.00	193131.00	Rupees One Lakh Ninety Three Thousand One Hundred Thirty One Only
6.023	100.41.39 - Supply, stacking, spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading, unloading & stacking up to any lead.	60.000	cum	650.00	39000.00	Rupees Thirty Nine Thousand Zero Zero Only
6.024	OD101835/2022-2023 - Construction of identification blocks (size 75c m x 25 cm x 10cm)with RCC mix M 2o including all cost and conveyance of materials	2.000	no	1186.00	2372.00	Rupees Two Thousand Three Hundred Seventy Two Only
6.025	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	18.140	quintal	22202.00	402744.28	Rupees Four Lakh Two Thousand Seven Hundred Forty Four And Twenty Eight paise Only
6.026	100.37.10.1 - In situ fabrication of M.S. pipes of size 350mm (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.	12.000	metre	10925.00	131100.00	Rupees One Lakh Thirty One Thousand One Hundred Zero Only
6.027	18.30.8 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:350 mm diameter pipe	4.000	no	883.00	3532.00	Rupees Three Thousand Five Hundred Thirty Two Only
6.028	100.37.10.3 - Cutting 350mm	12.000	no	1290.00	15480.00	Rupees Fifteen

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	(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.					Thousand Four Hundred Eighty Zero Only
6.029	100.37.10.4 - Welding 350mm (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.	14.000	no	1973.00	27622.00	Rupees Twenty Seven Thousand Six Hundred Twenty Two Only
6.030	100.37.10.5 - Grinding cut and weld edges of 350mm (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.	14.000	no	1189.00	16646.00	Rupees Sixteen Thousand Six Hundred Forty Six Only
6.031	100.37.10.2 - Fabricating M.S. flanges of diameter 350mm 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.	4.000	no	1290.00	5160.00	Rupees Five Thousand One Hundred Sixty Zero Only
6.032	100.31.2.8 - 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): 350mm diameter, Class II.	2.000	no	4656.00	9312.00	Rupees Nine Thousand Three Hundred Twelve Only
6.033	100.31.2.5 - 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 II.	1.000	no	2910.00	2910.00	Rupees Two Thousand Nine Hundred Ten Only
6.034	100.31.2.1 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts,	8.000	no	903.00	7224.00	Rupees Seven Thousand Two Hundred

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 II.					Twenty Four Only
7	Appendix-VI-supply and laying of 250 mm DI K9 CWGM from Proposed 11.00 LL GLSR at Plamaram to Proposed 6.00 LL GLSR cum BPT at Thachamala Plantation,Plamararam					
7.001	100.98.118 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	980.000	metre	4301.00	4214980.00	Rupees Forty Two Lakh Fourteen Thousand Nine Hundred Eighty Zero Only
7.002	100.98.462 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.	1.000	no	36285.00	36285.00	Rupees Thirty Six Thousand Two Hundred Eighty Five Only
7.003	100.98.458 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	1.000	no	8218.00	8218.00	Rupees Eight Thousand Two Hundred Eighteen Only
7.004	100.98.435 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 50mm.	4.000	no	1194.00	4776.00	Rupees Four Thousand Seven Hundred Seventy Six Only
7.005	100.98.450 - Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 80mm.	4.000	no	5336.00	21344.00	Rupees Twenty One Thousand Three Hundred Forty Four Only
7.006	15.2.1 - 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)	10.000	cum	1850.00	18500.00	Rupees Eighteen Thousand Five Hundred Zero Only
7.007	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	100.000	metre	35.00	3500.00	Rupees Three Thousand Five Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	officers etc. complete, before carrying out the demolition of bituminous / concrete road by mechanical means and carrying out the excavation.					
7.008	15.9.2 - 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	1850.00	55500.00	Rupees Fifty Five Thousand Five Hundred Zero Only
7.009	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.	740.880	cum	443.00	328209.84	Rupees Three Lakh Twenty Eight Thousand Two Hundred Nine And Eighty Four paise Only
7.010	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 layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.	259.308	cum	1028.00	266568.62	Rupees Two Lakh Sixty Six Thousand Five Hundred Sixty Eight And Sixty Two paise Only
7.011	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead	45.080	cum	1645.00	74156.60	Rupees Seventy Four Thousand One Hundred Fifty Six And Sixty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	of 50m, in Medium Rock where Blasting is Prohibited.					
7.012	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.	5.130	cum	1152.00	5909.76	Rupees Five Thousand Nine Hundred Nine And Seventy Six paise Only
7.013	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.	600.000	metre	24.00	14400.00	Rupees Fourteen Thousand Four Hundred Zero Only
7.014	100.41.39 - Supply, stacking, spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading, unloading & stacking up to any lead.	27.000	cum	680.00	18360.00	Rupees Eighteen Thousand Three Hundred Sixty Zero Only
7.015	100.14.4 - Conveying and laying S & amp ; 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.	980.000	metre	350.00	343000.00	Rupees Three Lakh Forty Three Thousand Zero Zero Only
7.016	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	230.000	joint	400.00	92000.00	Rupees Ninety Two Thousand Zero Zero Only
7.017	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	980.000	metre	65.00	63700.00	Rupees Sixty Three Thousand Seven Hundred Zero Only
7.018	18.68.1 - Providing and laying D.I specials of class K - 12 suitable for push - on	14.260	quintal	22202.00	316600.52	Rupees Three Lakh Sixteen Thousand Six

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	jointing as per IS : 9523 :Upt 600 mm dia					Hundred Zero And Fifty Two paise Only
7.019	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 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.	12.000	metre	7309.00	87708.00	Rupees Eighty Seven Thousand Seven Hundred Eight Only
7.020	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.	4.000	no	4198.00	16792.00	Rupees Sixteen Thousand Seven Hundred Ninety Two Only
7.021	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	1189.00	14268.00	Rupees Fourteen Thousand Two Hundred Sixty Eight Only
7.022	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.	14.000	no	1771.00	24794.00	Rupees Twenty Four Thousand Seven Hundred Ninety Four Only
7.023	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.	14.000	no	905.00	12670.00	Rupees Twelve Thousand Six Hundred Seventy Zero Only
7.024	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)	21.504	cum	268.00	5763.07	Rupees Five Thousand Seven Hundred Sixty Three And Seven paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					
7.025	2.7.1 - 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.Ordinary rock	4.838	cum	1028.00	4973.46	Rupees Four Thousand Nine Hundred Seventy Three And Forty Six paise Only
7.026	2.7.3 - 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.Hard rock (blasting prohibited)	0.538	cum	1645.00	885.01	Rupees Eight Hundred Eighty Five And One paise Only
7.027	4.1.4 - 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)1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	1.575	cum	8904.00	14023.80	Rupees Fourteen Thousand Zero Twenty Three And Eighty Zero paise Only
7.028	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	17.895	cum	11947.00	213791.57	Rupees Two Lakh Thirteen Thousand Seven Hundred Ninety One And Fifty Six paise Only
7.029	5.9.2 - Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butresses, plinth and string courses etc.	58.800	sqm	664.00	39043.20	Rupees Thirty Nine Thousand Zero Forty Three And Twenty Zero paise Only
7.030	5.9.3 - Centering and	16.800	sqm	689.00	11575.20	Rupees Eleven

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform					Thousand Five Hundred Seventy Five And Twenty Zero paise Only
7.031	5.22.6 - 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	948.870	kilogram	90.00	85398.30	Rupees Eighty Five Thousand Three Hundred Ninety Eight And Thirty Zero paise Only
7.032	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	45.990	sqm	462.00	21247.38	Rupees Twenty One Thousand Two Hundred Forty Seven And Thirty Eight paise Only
7.033	OD75321/2022-2023 - Construction of identification blocks (size 75c m x 25 cm x 10cm)with RCC mix M 20 including all cost and conveyance of materials	2.000	no	1186.00	2372.00	Rupees Two Thousand Three Hundred Seventy Two Only
7.034	100.31.2.2 - 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): 100mm diameter, Class II.	1.000	no	990.00	990.00	Rupees Nine Hundred Ninety Zero Only
7.035	100.31.1.1 - 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): 80mm diameter, Class I.	4.000	no	990.00	3960.00	Rupees Three Thousand Nine Hundred Sixty Zero Only
7.036	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 Double Acting Air Valve.	4.000	no	350.00	1400.00	Rupees One Thousand Four Hundred Zero Only
7.037	100.31.2.6 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the	1.000	no	3492.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	cost of the valve (tail pieces, if required, will be paid separately): 250mm diameter, Class II.					
7.038	OD111838/2022-2023 - Supplying and erection of a 250mm Mechanical flow meter of Woltman type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHE M RPG/ITRON make and the flow meter shall be tested and certified by FCRI-Palakkad.	1.000	no	258659.00	258659.00	Rupees Two Lakh Fifty Eight Thousand Six Hundred Fifty Nine Only
8	Appendix-VII-Supply & Laying of 150 mm DI K9 CWGM from Existing GLSR at Kottamedu to existing GLSR near police station					
8.001	100.98.116 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.	4220.000	metre	2509.00	10587980.00	Rupees One Crore Five Lakh Eighty Seven Thousand Nine Hundred Eighty Zero Only
8.002	18.72.16 - Providing and laying S & S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329:150 mm dia Ductile Iron Class K - 9 Pipes	220.000	metre	2486.00	546920.00	Rupees Five Lakh Forty Six Thousand Nine Hundred Twenty Only
8.003	100.98.460 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	2.000	no	12582.00	25164.00	Rupees Twenty Five Thousand One Hundred Sixty Four Only
8.004	100.98.458 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	1.000	no	8218.00	8218.00	Rupees Eight Thousand Two Hundred Eighteen Only
8.005	100.98.457 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	5.000	no	6879.00	34395.00	Rupees Thirty Four Thousand Three Hundred Ninety Five Only
8.006	100.98.449 - Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 50mm.	5.000	no	3819.00	19095.00	Rupees Nineteen Thousand Zero Ninety Five Only
8.007	OD111430/2022-2023 - Supplying and erection of a 150mm Mechanical flow meter of Woltman type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHE M RPG/ITRON make and the	1.000	no	199503.00	199503.00	Rupees One Lakh Ninety Nine Thousand Five Hundred Three Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	flow mwter shall be tested and certified by FCRI-Palakkad.					
8.008	15.2.1 - 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)	50.000	cum	2467.00	123350.00	Rupees One Lakh Twenty Three Thousand Three Hundred Fifty Zero Only
8.009	15.9.2 - 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	8.640	cum	1850.00	15984.00	Rupees Fifteen Thousand Nine Hundred Eighty Four Only
8.010	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.	700.000	metre	35.00	24500.00	Rupees Twenty Four Thousand Five Hundred Zero Only
8.011	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.	1772.400	cum	443.00	785173.20	Rupees Seven Lakh Eighty Five Thousand One Hundred Seventy Three And Twenty Zero paise Only
8.012	100.1.5 - Excavating trenches	620.340	cum	1152.00	714631.68	Rupees Seven

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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 50 m, in Ordinary Rock.					Lakh Fourteen Thousand Six Hundred Thirty One And Sixty Eight paise Only
8.013	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.	126.600	cum	1645.00	208257.00	Rupees Two Lakh Eight Thousand Two Hundred Fifty Seven Only
8.014	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.	12.660	cum	1768.00	22382.88	Rupees Twenty Two Thousand Three Hundred Eighty Two And Eighty Eight paise Only
8.015	100.41.39 - Supply, stacking, spreading and consolidating of Quarry Muck in the trench of pipe line, including carriage, loading, unloading & stacking up to any lead.	30.000	cum	680.00	20400.00	Rupees Twenty Thousand Four Hundred Zero Only
8.016	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.	2000.000	metre	24.00	48000.00	Rupees Forty Eight Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
8.017	100.14.2 - Conveying and laying S & amp ; S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 150mm diameter Ductile Iron Class K-9 Pipes.	4220.000	metre	175.00	738500.00	Rupees Seven Lakh Thirty Eight Thousand Five Hundred Zero Only
8.018	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	825.000	joint	284.00	234300.00	Rupees Two Lakh Thirty Four Thousand Three Hundred Zero Only
8.019	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	4220.000	metre	35.00	147700.00	Rupees One Lakh Forty Seven Thousand Seven Hundred Zero Only
8.020	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.	36.000	metre	5704.00	205344.00	Rupees Two Lakh Five Thousand Three Hundred Forty Four Only
8.021	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 with 8mm thick M.S. plates.	12.000	no	1800.00	21600.00	Rupees Twenty One Thousand Six Hundred Zero Only
8.022	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.	36.000	no	180.00	6480.00	Rupees Six Thousand Four Hundred Eighty Zero Only
8.023	100.37.6.4 - Welding 150mm (I.D.) M.S. pipes for making bends and other specials by	42.000	no	750.00	31500.00	Rupees Thirty One Thousand Five Hundred

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					Zero Only
8.024	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.	42.000	no	537.00	22554.00	Rupees Twenty Two Thousand Five Hundred Fifty Four Only
8.025	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 Double Acting Air Valve.	5.000	no	291.00	1455.00	Rupees One Thousand Four Hundred Fifty Five Only
8.026	100.31.2.4 - 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 II.	2.000	no	2503.00	5006.00	Rupees Five Thousand Zero Six Only
8.027	100.31.1.2 - 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): 100mm diameter, Class I.	1.000	no	2270.00	2270.00	Rupees Two Thousand Two Hundred Seventy Zero Only
8.028	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	27.648	cum	268.00	7409.66	Rupees Seven Thousand Four Hundred Nine And Sixty Six paise Only
8.029	2.7.1 - 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	6.221	cum	1028.00	6395.19	Rupees Six Thousand Three Hundred Ninety Five And Nineteen paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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. Ordinary rock					
8.030	2.7.3 - 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. Hard rock (blasting prohibited)	0.691	cum	1645.00	1136.70	Rupees One Thousand One Hundred Thirty Six And Seventy Zero paise Only
8.031	4.1.4 - 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) 1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	2.025	cum	8904.00	18030.60	Rupees Eighteen Thousand Zero Thirty Zero And Sixty Zero paise Only
8.032	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	31.244	cum	11947.00	373272.07	Rupees Three Lakh Seventy Three Thousand Two Hundred Seventy Two And Seven paise Only
8.033	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.	75.600	sqm	664.00	50198.40	Rupees Fifty Zero Thousand One Hundred Ninety Eight And Forty Zero paise Only
8.034	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	21.600	sqm	689.00	14882.40	Rupees Fourteen Thousand Eight Hundred Eighty Two And Forty Zero paise Only
8.035	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	1330.980	kilogram	90.00	119788.20	Rupees One Lakh Nineteen Thousand Seven Hundred Eighty Eight And Twenty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	grade Fe-500D or more					
8.036	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	59.130	sqm	462.00	27318.06	Rupees Twenty Seven Thousand Three Hundred Eighteen And Six paise Only
8.037	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	13.284	quintal	22202.00	294931.37	Rupees Two Lakh Ninety Four Thousand Nine Hundred Thirty One And Thirty Seven paise Only
8.038	OD75317/2022-2023 - Construction of identification blocks (size 75c m x 25 cm x 10cm)with RCC mix M 2o with proper engraving of letters and painting as per direction of department officers including all cost and conveyance of materials	4.000	no	1186.00	4744.00	Rupees Four Thousand Seven Hundred Forty Four Only
8.039	OD111529/2022-2023 - Designing, Providing and commissioning a surge arrester arrangement in suitable position after conducting surge analysis for proposed 150mm, DI K9 gravity main including design fabrication, and supply of 150mm MS D/F Zero velocity valve (PN 2.0), 100mm pressure relief valve /NR valve and necessary DI specials with necessary EWE, anchor blocks, construction of valve chamber and necessary road restoration works etc. as per the direction of departmental officers.	1.000	no	300000.00	300000.00	Rupees Three Lakh Zero Zero Zero Only
9	Appendix-VIII-(A)-Distribution system for zone I to V-Cost of materials					
9.001	100.98.117 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 200mm Dia.	9566.000	metre	3367.00	32208722.00	Rupees Three Crore Twenty Two Lakh Eight Thousand Seven Hundred Twenty Two Only
9.002	100.98.118 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	4930.000	metre	4475.00	22061750.00	Rupees Two Crore Twenty Lakh Sixty One Thousand Seven Hundred Fifty Zero Only
9.003	100.98.119 - Supply of DI K9 Pipe Conforming to IS	4819.000	metre	5643.00	27193617.00	Rupees Two Crore Seventy

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	8329/2000, 300mm Dia.					One Lakh Ninety Three Thousand Six Hundred Seventeen Only
9.004	100.98.120 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 350mm Dia.	4703.000	metre	7187.00	33800461.00	Rupees Three Crore Thirty Eight Lakh Zero Four Hundred Sixty One Only
9.005	100.98.134 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 90mm Outer Dia.	38256.000	metre	282.00	10788192.00	Rupees One Crore Seven Lakh Eighty Eight Thousand One Hundred Ninety Two Only
9.006	100.98.154 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 90mm Outer Dia.	51607.000	metre	364.00	18784948.00	Rupees One Crore Eighty Seven Lakh Eighty Four Thousand Nine Hundred Forty Eight Only
9.007	100.98.174 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 12.5kg, 90mm Outer Dia.	53726.000	metre	426.00	22887276.00	Rupees Two Crore Twenty Eight Lakh Eighty Seven Thousand Two Hundred Seventy Six Only
9.008	100.98.194 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 90mm Outer Dia.	93858.000	metre	494.00	46365852.00	Rupees Four Crore Sixty Three Lakh Sixty Five Thousand Eight Hundred Fifty Two Only
9.009	100.98.135 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 110mm Outer Dia.	3605.000	metre	431.00	1553755.00	Rupees Fifteen Lakh Fifty Three Thousand Seven Hundred Fifty Five Only
9.010	100.98.155 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 110mm Outer Dia.	4331.000	metre	524.00	2269444.00	Rupees Twenty Two Lakh Sixty Nine Thousand Four Hundred Forty Four Only
9.011	100.98.175 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 12.5kg, 110mm Outer Dia.	5614.000	metre	627.00	3519978.00	Rupees Thirty Five Lakh Nineteen Thousand Nine Hundred Seventy Eight Only
9.012	100.98.195 - Supply of HDPE	9530.000	metre	739.00	7042670.00	Rupees Seventy

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Pipe PE 100 (IS 4984/1995), 16kg, 110mm Outer Dia.					Zero Lakh Forty Two Thousand Six Hundred Seventy Zero Only
9.013	100.98.137 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 140mm Outer Dia.	2895.000	metre	667.00	1930965.00	Rupees Nineteen Lakh Thirty Zero Thousand Nine Hundred Sixty Five Only
9.014	100.98.157 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 140mm Outer Dia.	3150.000	metre	810.00	2551500.00	Rupees Twenty Five Lakh Fifty One Thousand Five Hundred Zero Only
9.015	100.98.177 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 12.5kg, 140mm Outer Dia.	2531.000	metre	984.00	2490504.00	Rupees Twenty Four Lakh Ninety Zero Thousand Five Hundred Four Only
9.016	100.98.197 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 140mm Outer Dia.	4908.000	metre	1218.00	5977944.00	Rupees Fifty Nine Lakh Seventy Seven Thousand Nine Hundred Forty Four Only
9.017	100.98.138 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 160mm Outer Dia.	1220.000	metre	861.00	1050420.00	Rupees Ten Lakh Fifty Zero Thousand Four Hundred Twenty Only
9.018	100.98.158 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 10kg, 160mm Outer Dia.	1790.000	metre	1044.00	1868760.00	Rupees Eighteen Lakh Sixty Eight Thousand Seven Hundred Sixty Zero Only
9.019	100.98.178 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 12.5kg, 160mm Outer Dia.	2180.000	metre	1258.00	2742440.00	Rupees Twenty Seven Lakh Forty Two Thousand Four Hundred Zero Only
9.020	100.98.198 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 160mm Outer Dia.	4185.000	metre	1482.00	6202170.00	Rupees Sixty Two Lakh Two Thousand One Hundred Seventy Zero Only
9.021	100.98.200 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 200mm Outer Dia.	145.000	metre	2241.00	324945.00	Rupees Three Lakh Twenty Four Thousand Nine Hundred Forty Five Only
9.022	OD104405/2022-2023 -	2868.000	metre	1935.00	5549580.00	Rupees Fifty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Supply of 150 mm GI pipe - heavy					Five Lakh Forty Nine Thousand Five Hundred Eighty Zero Only
9.023	OD104406/2022-2023 - Supply of 125 mm GI pipe - heavy	2918.000	metre	1716.00	5007288.00	Rupees Fifty Zero Lakh Seven Thousand Two Hundred Eighty Eight Only
9.024	OD104407/2022-2023 - Supply of 100 mm GI pipe - heavy	4872.000	metre	1451.00	7069272.00	Rupees Seventy Zero Lakh Sixty Nine Thousand Two Hundred Seventy Two Only
9.025	OD104408/2022-2023 - Supply of 80 mm GI pipe - heavy	39873.000	metre	899.00	35845827.00	Rupees Three Crore Fifty Eight Lakh Forty Five Thousand Eight Hundred Twenty Seven Only
9.026	100.98.435 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 50mm.	12.000	no	3819.00	45828.00	Rupees Forty Five Thousand Eight Hundred Twenty Eight Only
9.027	100.98.440 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	96.000	no	2474.00	237504.00	Rupees Two Lakh Thirty Seven Thousand Five Hundred Four Only
9.028	100.98.445 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Double Orifice Type DS2, Size 40mm.	7.000	no	2474.00	17318.00	Rupees Seventeen Thousand Three Hundred Eighteen Only
9.029	100.98.450 - Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 80mm.	6.000	no	5918.00	35508.00	Rupees Thirty Five Thousand Five Hundred Eight Only
9.030	100.98.457 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	151.000	no	6879.00	1038729.00	Rupees Ten Lakh Thirty Eight Thousand Seven Hundred Twenty Nine Only
9.031	100.98.462 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 250mm.	4.000	no	36285.00	145140.00	Rupees One Lakh Forty Five Thousand One Hundred Forty Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
9.032	100.98.459 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 125mm.	9.000	no	11658.00	104922.00	Rupees One Lakh Four Thousand Nine Hundred Twenty Two Only
9.033	100.98.458 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	7.000	no	8218.00	57526.00	Rupees Fifty Seven Thousand Five Hundred Twenty Six Only
9.034	100.98.460 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	9.000	no	12582.00	113238.00	Rupees One Lakh Thirteen Thousand Two Hundred Thirty Eight Only
9.035	100.98.461 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 200mm.	6.000	no	27183.00	163098.00	Rupees One Lakh Sixty Three Thousand Zero Ninety Eight Only
9.036	100.98.463 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 300mm.	2.000	no	46627.00	93254.00	Rupees Ninety Three Thousand Two Hundred Fifty Four Only
9.037	100.98.464 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 350mm.	1.000	no	81872.00	81872.00	Rupees Eighty One Thousand Eight Hundred Seventy Two Only
9.038	OD110250/2022-2023 - Supplying and erection of a 250mm Mechanical flow meter of Woltman type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHE MRPG/ITRON make and the flow meter shall be tested and certified by FCRI-Palakkad.	1.000	no	90000.00	90000.00	Rupees Ninety Zero Thousand Zero Zero Only
9.039	OD110279/2022-2023 - Supplying and erection of a 200mm Mechanical flow meter of Woltman type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHE MRPG/ITRON make and the flow meter shall be tested and certified by FCRI-Palakkad.	1.000	no	42500.00	42500.00	Rupees Forty Two Thousand Five Hundred Zero Only
10	Appendix-VIII-(B)-Working Charges					
10.001	15.9.2 - Demolishing stone rubble masonry manually / by	236.250	cum	1850.00	437062.50	Rupees Four Lakh Thirty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					Seven Thousand Zero Sixty Two And Fifty Zero paise Only
10.002	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)	750.000	cum	2467.00	1850250.00	Rupees Eighteen Lakh Fifty Zero Thousand Two Hundred Fifty Zero Only
10.003	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 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.	700.000	metre	35.00	24500.00	Rupees Twenty Four Thousand Five Hundred Zero Only
10.004	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.	100000.000	metre	24.00	2400000.00	Rupees Twenty Four Lakh Zero Zero Zero Only
10.005	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.	97300.126	cum	443.00	43103955.82	Rupees Four Crore Thirty One Lakh Three Thousand Nine Hundred Fifty Five And Eighty Two paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
10.006	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 layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.	34055.047	cum	780.00	26562936.66	Rupees Two Crore Sixty Five Lakh Sixty Two Thousand Nine Hundred Thirty Six And Sixty Six paise Only
10.007	100.2.2 - Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m ² on plan), including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.	6950.010	cum	1100.00	7645011.00	Rupees Seventy Six Lakh Forty Five Thousand Zero Eleven Only
10.008	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.	695.005	cum	1645.00	1143283.23	Rupees Eleven Lakh Forty Three Thousand Two Hundred Eighty Three And Twenty Three paise Only
10.009	100.14.3 - Conveying and laying S & amp; 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.	9566.000	metre	150.00	1434900.00	Rupees Fourteen Lakh Thirty Four Thousand Nine Hundred Zero Only
10.010	OD101055/2022-2023 - Cutting of 200mm dia. DI pipe with steel saw	48.000	Each Cut	300.00	14400.00	Rupees Fourteen Thousand Four

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
						Hundred Zero Only
10.011	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	1800.000	joint	284.00	511200.00	Rupees Five Lakh Eleven Thousand Two Hundred Zero Only
10.012	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	9566.000	metre	43.00	411338.00	Rupees Four Lakh Eleven Thousand Three Hundred Thirty Eight Only
10.013	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.	80.000	metre	6297.00	503760.00	Rupees Five Lakh Three Thousand Seven Hundred Sixty Zero Only
10.014	100.37.7.2 - Fabricating M.S. flanges of diameter 200mm 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.	20.000	no	2000.00	40000.00	Rupees Forty Zero Thousand Zero Zero Only
10.015	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.	30.000	no	260.00	7800.00	Rupees Seven Thousand Eight Hundred Zero Only
10.016	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.	40.000	no	1000.00	40000.00	Rupees Forty Zero Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
10.017	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.	40.000	no	180.00	7200.00	Rupees Seven Thousand Two Hundred Zero Only
10.018	100.14.4 - Conveying and laying S & amp; 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.	4930.000	metre	350.00	1725500.00	Rupees Seventeen Lakh Twenty Five Thousand Five Hundred Zero Only
10.019	OD101068/2022-2023 - Cutting of 250mm dia. DI pipe with steel saw	25.000	Each Cut	699.00	17475.00	Rupees Seventeen Thousand Four Hundred Seventy Five Only
10.020	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	950.000	joint	400.00	380000.00	Rupees Three Lakh Eighty Zero Thousand Zero Zero Only
10.021	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	4930.000	metre	65.00	320450.00	Rupees Three Lakh Twenty Thousand Four Hundred Fifty Zero Only
10.022	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 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.	16.000	metre	7309.00	116944.00	Rupees One Lakh Sixteen Thousand Nine Hundred Forty Four Only
10.023	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	325.00	3900.00	Rupees Three Thousand Nine Hundred Zero Only
10.024	100.37.8.4 - Welding 250mm (I.D.) M.S. pipes for making	16.000	no	1000.00	16000.00	Rupees Sixteen Thousand Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					Zero Only
10.025	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.	16.000	no	230.00	3680.00	Rupees Three Thousand Six Hundred Eighty Zero Only
10.026	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.	8.000	no	3000.00	24000.00	Rupees Twenty Four Thousand Zero Zero Only
10.027	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.	4819.000	metre	225.00	1084275.00	Rupees Ten Lakh Eighty Four Thousand Two Hundred Seventy Five Only
10.028	OD102450/2022-2023 - Cutting of 300mm dia. DI pipe with steel saw	25.000	Each Cut	500.00	12500.00	Rupees Twelve Thousand Five Hundred Zero Only
10.029	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	900.000	joint	420.00	378000.00	Rupees Three Lakh Seventy Eight Thousand Zero Zero Only
10.030	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	4819.000	metre	76.00	366244.00	Rupees Three Lakh Sixty Six Thousand Two Hundred Forty Four Only
10.031	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	16.000	metre	8902.00	142432.00	Rupees One Lakh Forty Two Thousand Four Hundred Thirty

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.					Two Only
10.032	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.	12.000	no	380.00	4560.00	Rupees Four Thousand Five Hundred Sixty Zero Only
10.033	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.	16.000	no	1400.00	22400.00	Rupees Twenty Two Thousand Four Hundred Zero Only
10.034	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.	16.000	no	275.00	4400.00	Rupees Four Thousand Four Hundred Zero Only
10.035	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	3769.00	30152.00	Rupees Thirty Zero Thousand One Hundred Fifty Two Only
10.036	100.14.6 - Conveying and laying S & amp; S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 350mm diameter Ductile Iron Class K-9 Pipes.	4703.000	metre	300.00	1410900.00	Rupees Fourteen Lakh Ten Thousand Nine Hundred Zero Only
10.037	OD102486/2022-2023 - Cutting of 350mm dia. DI pipe with steel saw	24.000	Each Cut	500.00	12000.00	Rupees Twelve Thousand Zero Zero Only
10.038	18.70.6 - Providing push - on-joints to Centrifugally (Spun)	941.000	joint	517.00	486497.00	Rupees Four Lakh Eighty Six

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket:350 mm dia pipes					Thousand Four Hundred Ninety Seven Only
10.039	100.35.6 - Testing 350mm DI/CI pipeline with potable water to the required test pressure. 350 mm dia Observed Data derived from item no.1024 of PHED DATA	4703.000	metre	88.00	413864.00	Rupees Four Lakh Thirteen Thousand Eight Hundred Sixty Four Only
10.040	100.37.10.1 - In situ fabrication of M.S. pipes of size 350mm (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.	16.000	metre	10925.00	174800.00	Rupees One Lakh Seventy Four Thousand Eight Hundred Zero Only
10.041	100.37.10.3 - Cutting 350mm (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	425.00	5100.00	Rupees Five Thousand One Hundred Zero Only
10.042	100.37.10.4 - Welding 350mm (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	1500.00	24000.00	Rupees Twenty Four Thousand Zero Zero Only
10.043	100.37.10.5 - Grinding cut and weld edges of 350mm (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	500.00	8000.00	Rupees Eight Thousand Zero Zero Only
10.044	100.37.10.2 - Fabricating M.S. flanges of diameter 350mm 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	8.000	no	4000.00	32000.00	Rupees Thirty Two Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
10.045	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.	237447.000	metre	99.00	23507253.00	Rupees Two Crore Thirty Five Lakh Seven Thousand Two Hundred Fifty Three Only
10.046	100.10.2 - 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: 110mm Nominal Outer Diameter Pipes.	23080.000	metre	123.00	2838840.00	Rupees Twenty Eight Lakh Thirty Eight Thousand Eight Hundred Forty Zero Only
10.047	100.10.4 - 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	13484.000	metre	169.00	2278796.00	Rupees Twenty Two Lakh Seventy Eight Thousand Seven Hundred Ninety Six Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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: 140mm Nominal Outside Diameter Pipes.					
10.048	100.10.5 - Laying HDPE pipes (IS : 4984) on land portion including conveying within initial lead and aligning the pipes, electrofusion 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: 160mm Nominal Outside Diameter Pipes.	9375.000	metre	198.00	1856250.00	Rupees Eighteen Lakh Fifty Six Thousand Two Hundred Fifty Zero Only
10.049	100.10.7 - Laying HDPE pipes (IS : 4984) on land portion including conveying within initial lead and aligning the pipes, electrofusion 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	145.000	metre	233.00	33785.00	Rupees Thirty Three Thousand Seven Hundred Eighty Five Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	etc., complete but excluding cost of pipe and fittings: 200mm Nominal Outside Diameter Pipes.					
10.050	OD146386/2022-2023 - Conveying and fixing 80mm G.I. pipes complete with G.I. fittings etc., but excluding cost of pipes and fittings for External work:	39873.000	metre	85.00	3389205.00	Rupees Thirty Three Lakh Eighty Nine Thousand Two Hundred Five Only
10.051	OD146325/2022-2023 - Conveying and fixing G.I. pipes complete with G.I. fittings etc., but excluding cost of pipes and fittings for External work: 150mm diameter nominal bore.	2868.000	metre	175.00	501900.00	Rupees Five Lakh One Thousand Nine Hundred Zero Only
10.052	OD146326/2022-2023 - Conveying and fixing G.I. pipes complete with G.I. fittings etc., but excluding cost of pipes and fittings for External work: 125mm diameter nominal bore.	2918.000	metre	180.00	525240.00	Rupees Five Lakh Twenty Five Thousand Two Hundred Forty Zero Only
10.053	OD146327/2022-2023 - Conveying and fixing G.I. pipes complete with G.I. fittings etc., but excluding cost of pipes and fittings for External work: 100mm diameter nominal bore.	4872.000	metre	145.00	706440.00	Rupees Seven Lakh Six Thousand Four Hundred Forty Zero Only
10.054	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	332.472	cum	200.00	66494.40	Rupees Sixty Six Thousand Four Hundred Ninety Four And Forty Zero paise Only
10.055	2.7.1 - 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. Ordinary rock	74.806	cum	500.00	37403.00	Rupees Thirty Seven Thousand Four Hundred Three Only
10.056	2.7.3 - Earth work in excavation by mechanical	8.312	cum	1200.00	9974.40	Rupees Nine Thousand Nine

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.Hard rock (blasting prohibited)					Hundred Seventy Four And Forty Zero paise Only
10.057	4.1.4 - 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) 1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	24.489	cum	8559.00	209601.35	Rupees Two Lakh Nine Thousand Six Hundred One And Thirty Five paise Only
10.058	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.	941.400	sqm	664.00	625089.60	Rupees Six Lakh Twenty Five Thousand Zero Eighty Nine And Sixty Zero paise Only
10.059	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	261.060	sqm	689.00	179870.34	Rupees One Lakh Seventy Nine Thousand Eight Hundred Seventy Zero And Thirty Four paise Only
10.060	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	229.824	cum	11947.00	2745707.33	Rupees Twenty Seven Lakh Forty Five Thousand Seven Hundred Seven And Thirty Three paise Only
10.061	13.7.1 - 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	742.020	sqm	462.00	342813.24	Rupees Three Lakh Forty Two Thousand Eight Hundred Thirteen And Twenty Four paise Only
10.062	5.22.6 - 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	13419.540	kilogram	90.00	1207758.60	Rupees Twelve Lakh Seven Thousand Seven Hundred Fifty Eight And Sixty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	grade Fe-500D or more					
10.063	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	119.555	quintal	22202.00	2654360.11	Rupees Twenty Six Lakh Fifty Four Thousand Three Hundred Sixty Zero And Eleven paise Only
10.064	OD101210/2022-2023 - Supply& laying HDPE Specials-at 5% of HDPE Pipe supply rates	116728500.000	set	0.02	2334570.00	Rupees Twenty Three Lakh Thirty Four Thousand Five Hundred Seventy Zero Only
10.065	OD105253/2022-2023 - Supply& laying GI Specials-at 5% of GI Pipe supply rates	63585020.000	set	0.02	1271700.40	Rupees Twelve Lakh Seventy One Thousand Seven Hundred Zero And Forty Zero paise Only
10.066	100.31.2.1 - 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): 80mm diameter, Class II.	151.000	no	815.00	123065.00	Rupees One Lakh Twenty Three Thousand Zero Sixty Five Only
10.067	100.31.2.2 - 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): 100mm diameter, Class II.	7.000	no	990.00	6930.00	Rupees Six Thousand Nine Hundred Thirty Zero Only
10.068	100.31.2.3 - 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): 125mm diameter, Class II.	9.000	no	1250.00	11250.00	Rupees Eleven Thousand Two Hundred Fifty Zero Only
10.069	100.31.2.4 - 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 II.	9.000	no	1500.00	13500.00	Rupees Thirteen Thousand Five Hundred Zero Only
10.070	100.31.2.5 - Conveying and	6.000	no	3201.00	19206.00	Rupees

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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 II.					Nineteen Thousand Two Hundred Six Only
10.071	100.31.2.6 - 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 II.	4.000	no	3492.00	13968.00	Rupees Thirteen Thousand Nine Hundred Sixty Eight Only
10.072	100.31.2.7 - 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 II.	2.000	no	3783.00	7566.00	Rupees Seven Thousand Five Hundred Sixty Six Only
10.073	100.31.2.8 - 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): 350mm diameter, Class II.	1.000	no	5005.00	5005.00	Rupees Five Thousand Zero Five Only
10.074	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.	96.000	no	150.00	14400.00	Rupees Fourteen Thousand Four Hundred Zero Only
10.075	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.	7.000	no	200.00	1400.00	Rupees One Thousand Four Hundred Zero Only
10.076	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	12.000	no	291.00	3492.00	Rupees Three Thousand Four Hundred Ninety Two Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	(tail pieces, if required, will be paid separately): 50mm Double Acting Air Valve.					
10.077	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.	6.000	no	315.00	1890.00	Rupees One Thousand Eight Hundred Ninety Zero Only
10.078	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 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.	4900.000	no	3112.00	15248800.00	Rupees One Core Fifty Two Lakh Forty Eight Thousand Eight Hundred Zero Only
10.079	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	700.000	no	5419.00	3793300.00	Rupees Thirty Seven Lakh Ninety Three Thousand Three Hundred Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					Only
10.080	100.60.14.1.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for	700.000	no	6001.00	4200700.00	Rupees Forty Two Lakh Zero Seven Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
10.081	100.60.14.4.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm (1/2 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, 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	700.000	no	6583.00	4608100.00	Rupees Forty Six Lakh Eight Thousand One Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	departmental officers.					
10.082	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.	2000.000	no	1000.00	2000000.00	Rupees Twenty Lakh Zero Zero Zero Only
10.083	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.	7000.000	no	600.00	4200000.00	Rupees Forty Two Lakh Zero Zero Zero Only
10.084	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.	19600.000	metre	123.00	2410800.00	Rupees Twenty Four Lakh Ten Thousand Eight Hundred Zero Only
10.085	100.60.8.1 - Replacing the choked / damaged 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing mains, up to a length of 5m using 20mm	200.000	no	1425.00	285000.00	Rupees Two Lakh Eighty Five Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Indian Standard Class 6 uPVC pipe and uPVC / Brass specials viz. brass ferrule, Elbow, 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, safely removing & re-fixing existing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges but excluding cost of water meter and meter box and excluding charges for cutting the concrete / tarred / bituminous roads and as per the directions of the department officers					
10.086	18.12.2 - Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 20 mm dia nominal bore	8400.000	metre	361.00	3032400.00	Rupees Thirty Zero Lakh Thirty Two Thousand Four Hundred Zero Only
10.087	OD110580/2022-2023 - Providing standpost for FHTC's using 75mm-6kg/cm ² PVC pipes & specials including concreting the standpost & all labor included.	7000.000	no	471.00	3297000.00	Rupees Thirty Two Lakh Ninety Seven Thousand Zero Zero Only
10.088	OD110579/2022-2023 - Providing and fixing 200mm dia or nearest size protection tube/AC pipe bit or PVC pipe bit for a length of 1.50m long for protection tube to the below 150mm valve and Air valve in the pipe line /distribution system	223.000	no	630.00	140490.00	Rupees One Lakh Forty Zero Thousand Four Hundred Ninety Zero Only
10.089	OD101152/2022-2023 - Construction of identification blocks (size 75cm x 25cm x 10cm) with RCC mix M 20 including all cost and conveyance of materials	50.000	no	1186.00	59300.00	Rupees Fifty Nine Thousand Three Hundred Zero Only
11	Appendix-IX -PWD Road Restoration Works					
11.001	3.6 - Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket	9163.500	cum	60.00	549810.00	Rupees Five Lakh Forty Nine Thousand

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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					Eight Hundred Ten Only
11.002	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 density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method	4581.750	cum	3000.00	13745250.00	Rupees One Crore Thirty Seven Lakh Forty Five Thousand Two Hundred Fifty Zero Only
11.003	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.	4581.750	cum	3300.00	15119775.00	Rupees One Crore Fifty One Lakh Nineteen Thousand Seven Hundred Seventy Five Only
11.004	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.	31866.500	sqm	92.00	2931718.00	Rupees Twenty Nine Lakh Thirty One Thousand Seven Hundred Eighteen Only
11.005	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.	31866.500	sqm	17.00	541730.50	Rupees Five Lakh Forty One Thousand Seven Hundred Thirty Zero And Fifty Zero paise Only
11.006	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)	558.040	sqm	260.00	145090.40	Rupees One Lakh Forty Five Thousand Zero Ninety Zero And Forty Zero

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					paise Only
11.007	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	27902.000	sqm	138.00	3850476.00	Rupees Thirty Eight Lakh Fifty Zero Thousand Four Hundred Seventy Six Only
11.008	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)	198.225	cum	10700.00	2121007.50	Rupees Twenty One Lakh Twenty One Thousand Zero Seven And Fifty Zero paise Only
11.009	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 surface cleaned with mechanical broom.	3964.500	sqm	14.00	55503.00	Rupees Fifty Five Thousand Five Hundred Three Only
11.010	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	118.935	cum	16500.00	1962427.50	Rupees Nineteen Lakh Sixty Two Thousand Four Hundred Twenty Seven And Fifty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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)					
12	Appendix-X -LSGD Road Restoration Works					
12.001	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	9600.000	cum	60.00	576000.00	Rupees Five Lakh Seventy Six Thousand Zero Zero Only
12.002	OD109498/2022-2023 - 4.1.A.1. Granular Sub-base with Well Graded Material (Table 400.1) (A) By Mix in Place Method 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. (i) For Grading I Material	4800.000	cum	3000.00	14400000.00	Rupees One Crore Forty Four Lakh Zero Zero Zero Only
12.003	OD109502/2022-2023 - 4.9. Wet Mix Macadam 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	4800.000	cum	3300.00	15840000.00	Rupees One Crore Fifty Eight Lakh Forty Zero 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					
12.004	OD109781/2022-2023 - 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	40000.000	sqm	90.00	3600000.00	Rupees Thirty Six Lakh Zero Zero Zero Only
12.005	OD109501/2022-2023 - 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.	40000.000	sqm	20.00	800000.00	Rupees Eight Lakh Zero Zero Zero Only
12.006	OD109500/2022-2023 - 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)	40000.000	sqm	250.00	10000000.00	Rupees One Crore Zero Zero Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
12.007	OD109499/2022-2023 - 5.12.A.3.2a. Seal Coat - Manual Means - Type C - Bitumen S-65 Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 A. By Manual Means :- Case - III : Type C (II) Bitumen (S-65)	40000.000	sqm	105.00	4200000.00	Rupees Forty Two Lakh Zero Zero Zero Only
12.008	12.8.B.1 - Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications
 PCC Grade M20
	750.000	cum	9950.00	7462500.00	Rupees Seventy Four Lakh Sixty Two Thousand Five Hundred Zero Only

The above work awarded to the contractor HILL TRACK CONSTRUCTIONS,AABCH3834R, at his quoted rate for individual items at a total accepted PAC 730767989(Seventy Three Crore Seven Lakh Sixty Seven Thousand Nine Hundred and Eighty Nine Only) as per the condition of the contract.