

## LETTER OF ACCEPTANCE

To,  
**Sri/Smt M/s.Roopesh K Rajappan**  
PAN : ANXPR9721M

Your e-Tender No **WRD/KWA-CE(CR)/TR/6970/2022\_26\_3\_2\_3\_3/1** dated **12-01-2023** for the **Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package IIA - Supplying and Laying Distribution and Providing FHTCs in Senapathy GP-Pipeline Work** has been accepted for a quoted amount of **Rs. 110086719/- (Rupees Eleven Crore Eighty Six Thousand Seven Hundred and Nineteen only)** based on rates quoted for **individual itemsindividual itemsindividual itemsindividual itemsindividual items** which is mentioned in the accompanying schedule. You are directed to submit the stamp GRN ID/Stamp paper, Performance Guarantee and Additional Performance Guarantee as mentioned below and execute an agreement and start the work within a week after getting necessary instructions from the **Executive Engineer(Project Division Kattapana)**. The time allowed for executing agreement without fine will be **28 ( Twenty Eight)** days from the date of issue of letter of acceptance and a further period of **10 ( Ten)**days time will be allowed to execute the agreement after realizing a fine of **Rs. 25000/- ( Twenty Five Thousand Only)** .This fine shall be remitted in favour of the Managing Director, Kerala Water Authority, Account No - STSB 701011400000181, District Treasury, Thiruvananthapuram through e-treasury payment gateway.

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

2. Before executing the agreement, you should deposit a Performance Guarantee of **5%** of contract value, ie. **Rs. 3302602/- (Rupees Thirty Three Lakh Two Thousand Six Hundred and Two only)** and should be submitted within **28 ( Twenty Eight)** days of receipt of this LOA (Letter of Acceptance) as below.

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

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

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

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

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

OR

- a) Full amount of additional performance guarantee shall be accepted in case of guarantees issued by Kerala Financial Corporation
4. In addition to Performance Guarantee and Additional Performance Guarantee, Performance Security Deposit at the rate 2.5% of Bill amount will be deducted from running bills .
5. Solicitor's fee, if any, to be paid to the Law Officers of Government for scrutinising or drawing up of agreements- will be paid and the same recovered from the successful bidder.
6. You are requested to take an Insurance cover for this work for an amount of Rs. **500000** /- (**Rupees Five Lakh only**) and submit the same within 15 days of Start of work subjected to the provisions provided in the Bid Document. 0.2% of the Contract Amount will be deducted in the event of failure to submit the Insurance to the concerned Authorities as noted above. (The value shall be generally 0.5% of the Contract Value subject to a minimum of Rs. 2.00 lakh and maximum of Rs. 5.00 lakh.).
7. Engineering personnel in addition to other supporting staff as detailed below for tenure of the contract for works supervision shall be employed.
- Works Manager- 1no.(Civil Engineering Graduate with minimum 3 years experience), Site Engineer - 2 nos (1 no for supervision and 1 no for Quality Control) (Civil Engineering graduate with minimum 1 year experience), Supervisor - 2 nos (Civil Engineering Diploma holder with minimum 1 year experience) and Supervisor(Mechanical) (if required) - 1 no (Mechanical Engineering Diploma holder with minimum 1 year experience).**
8. The Contractor shall enter into a Contract Agreement with the Agreement Authority within 28 Twenty Eight working days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority. The date of despatch of Letter of Acceptance through Contractors Portal shall be the date of Acceptance of Tender.
9. In the eventuality of failure to produce the original documents, or submit the performance security, or enter into agreement with the Agreement Authority within the specified time limit, the Bidder shall be debarred in future from participating in all Government Bids for three years and will be recommended for blacklisting by the competent authority. In such cases, the Government may rearrange the work otherwise or get it done departmentally at the risk and the cost of the Bidder and the loss so sustained by the Government can be realized from the Bidder under the Revenue recovery Act or otherwise the Government may decide.
10. The work should be completed in all respects within **6 months 1 year** from the date of handing over the site.
11. Defect Liability period will be **6 months 1 year**
12. All the details mentioned above shall be submitted to the Agreement Authority within 14 (fourteen) days from the date of 'Acceptance of Tender' or within such extended time as may be granted by the Agreement Authority.
13. All the terms and conditions of the Notice Inviting tenders and tender shall be binding on the Contractor.

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

## ACCEPTED SCHEDULE

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

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
<b>1</b>	<b>Supplying , Laying and commissioning of Distribution- Cost of materials</b>					
1.001	100.98.119 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 300mm Dia.	10.000	metre	4520.65	45206.50	Rupees Forty Five Thousand Two Hundred Six And Fifty Zero paise Only
1.002	100.98.118 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 250mm Dia.	10.000	metre	3616.52	36165.20	Rupees Thirty Six Thousand One Hundred Sixty Five And Twenty Zero paise Only
1.003	100.98.116 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 150mm Dia.	1681.000	metre	2214.46	3722507.26	Rupees Thirty Seven Lakh Twenty Two Thousand Five Hundred Seven And Twenty Six paise Only
1.004	100.98.115 - Supply of DI K9 Pipe Conforming to IS 8329/2000, 100mm Dia.	8519.000	metre	1257.56	10713153.64	Rupees One Crore Seven Lakh Thirteen Thousand One Hundred Fifty Three And Sixty Four paise Only
1.005	100.98.134 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 8kg, 90mm Outer Dia.	3489.000	metre	536.57	1872092.73	Rupees Eighteen Lakh Seventy Two Thousand Zero Ninety Two And Seventy Three paise Only
1.006	OD89818/2022-2023 - 90mm HDPE Specials (8kg)	3489.000	metre	6.37	22224.93	Rupees Twenty Two Thousand Two Hundred Twenty Four And Ninety Three paise Only
1.007	100.98.154 - Supply of HDPE Pipe PE 100 (IS 4984/1995),	1987.000	metre	588.59	1169528.33	Rupees Eleven Lakh Sixty Nine

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	10kg, 90mm Outer Dia.					Thousand Five Hundred Twenty Eight And Thirty Three paise Only
1.008	OD89819/2022-2023 - Specials for 90 mm HDPE pipe(10kg)	1987.000	metre	7.95	15796.65	Rupees Fifteen Thousand Seven Hundred Ninety Six And Sixty Five paise Only
1.009	100.98.194 - Supply of HDPE Pipe PE 100 (IS 4984/1995), 16kg, 90mm Outer Dia.	15652.000	metre	700.08	10957652.16	Rupees One Crore Nine Lakh Fifty Seven Thousand Six Hundred Fifty Two And Sixteen paise Only
1.010	OD89820/2022-2023 - Specials for 90mm HDPE Pipe (16kg)	15652.000	metre	11.29	176711.08	Rupees One Lakh Seventy Six Thousand Seven Hundred Eleven And Eight paise Only
1.011	100.98.440 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	40.000	no	5636.76	225470.40	Rupees Two Lakh Twenty Five Thousand Four Hundred Seventy Zero And Forty Zero paise Only
1.012	100.98.441 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 40mm.	15.000	no	6110.65	91659.75	Rupees Ninety One Thousand Six Hundred Fifty Nine And Seventy Five paise Only
1.013	100.98.436 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Kinetic Air Valve Type DK, Size 80mm.	2.000	no	11748.57	23497.14	Rupees Twenty Three Thousand Four Hundred Ninety Seven And Fourteen paise Only
1.014	100.98.463 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 300mm.	1.000	no	43312.34	43312.34	Rupees Forty Three Thousand Three Hundred Twelve And Thirty Four paise Only
1.015	100.98.474 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 250mm.	1.000	no	32125.93	32125.93	Rupees Thirty Two Thousand One Hundred Twenty Five And Ninety

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
						Three paise Only
1.016	100.98.472 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 150mm.	4.000	no	12424.57	49698.28	Rupees Forty Nine Thousand Six Hundred Ninety Eight And Twenty Eight paise Only
1.017	100.98.470 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 100mm.	6.000	no	8362.80	50176.80	Rupees Fifty Zero Thousand One Hundred Seventy Six And Eighty Zero paise Only
1.018	100.98.469 - Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.0, Size 80mm.	17.000	no	6136.20	104315.40	Rupees One Lakh Four Thousand Three Hundred Fifteen And Forty Zero paise Only
<b>2</b>	<b>Supplying , Laying and commissioning of Distribution- Working charges</b>					
2.001	100.1.1 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in all kinds of soil.	12453.930	cum	579.88	7221784.93	Rupees Seventy Two Lakh Twenty One Thousand Seven Hundred Eighty Four And Ninety Three paise Only
2.002	100.1.5 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50 m, in Ordinary Rock.	2490.786	cum	842.08	2097441.07	Rupees Twenty Lakh Ninety Seven Thousand Four Hundred Forty One And Seven paise Only
2.003	100.2.2 - Excavation work by mechanical means (Hydraulic	830.262	cum	1106.31	918527.15	Rupees Nine Lakh Eighteen

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10m <sup>2</sup> 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.					Thousand Five Hundred Twenty Seven And Fifteen paise Only
2.004	100.1.13 - Excavating trenches of required width for pipes, cables, etc., including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering, etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Hard Rock where Blasting is Prohibited.	830.262	cum	1624.47	1348735.71	Rupees Thirteen Lakh Forty Eight Thousand Seven Hundred Thirty Five And Seventy One paise Only
2.005	100.8.1 - Fencing one side of trenches, 1.50m height with two rows of 10cm plastic caution tape in vertical casuarina pole (girth 15cm to 24cm) fixed at 2m intervals.	28000.000	metre	28.84	807520.00	Rupees Eight Lakh Seven Thousand Five Hundred Twenty Only
2.006	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.	10.000	metre	214.16	2141.60	Rupees Two Thousand One Hundred Forty One And Sixty Zero paise Only
2.007	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	2.000	joint	430.66	861.32	Rupees Eight Hundred Sixty One And Thirty Two paise Only
2.008	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	10.000	metre	57.78	577.80	Rupees Five Hundred Seventy Seven And Eighty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
2.009	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.	10.000	metre	170.23	1702.30	Rupees One Thousand Seven Hundred Two And Thirty Zero paise Only
2.010	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	2.000	joint	329.85	659.70	Rupees Six Hundred Fifty Nine And Seventy Zero paise Only
2.011	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	10.000	metre	53.00	530.00	Rupees Five Hundred Thirty Zero Only
2.012	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.	1705.000	metre	91.51	156024.55	Rupees One Lakh Fifty Six Thousand Zero Twenty Four And Fifty Five paise Only
2.013	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	315.000	joint	184.10	57991.50	Rupees Fifty Seven Thousand Nine Hundred Ninety One And Fifty Zero paise Only
2.014	18.30.4 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:150 mm diameter pipe	8.000	no	402.30	3218.40	Rupees Three Thousand Two Hundred Eighteen And Forty Zero paise Only
2.015	OD111147/2022-2023 - Labour for cutting DI pipe with steel saw 150 mm diameter of DI Pipe	4.000	Each Cut	337.10	1348.40	Rupees One Thousand Three Hundred Forty Eight And Forty Zero paise Only
2.016	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	1705.000	metre	32.86	56026.30	Rupees Fifty Six Thousand Zero Twenty Six And Thirty Zero paise Only
2.017	100.14.1 - Conveying and	8326.000	metre	61.40	511216.40	Rupees Five

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	l a y i n g S & a m p ; S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 excluding cost of pipes and specials: 100mm diameter Ductile Iron Class K-9 Pipes.					Lakh Eleven Thousand Two Hundred Sixteen And Forty Zero paise Only
2.018	18.70.1 - 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:100 mm dia pipes	1520.000	joint	112.62	171182.40	Rupees One Lakh Seventy One Thousand One Hundred Eighty Two And Forty Zero paise Only
2.019	18.30.2 - Providing flanged joints to double flanged C.I./ D.I pipes and specials, including testing of joints:100 mm diameter pipe	3.000	no	325.59	976.77	Rupees Nine Hundred Seventy Six And Seventy Seven paise Only
2.020	OD113362/2022-2023 - Labour for cutting DI pipe with steel saw 100 mm diameter of DI Pipe	32.000	Each Cut	179.40	5740.80	Rupees Five Thousand Seven Hundred Forty Zero And Eighty Zero paise Only
2.021	100.35.1 - Testing 100mm DI/CI pipeline with potable water to the required test pressure 100 mm dia	8326.000	metre	24.36	202821.36	Rupees Two Lakh Two Thousand Eight Hundred Twenty One And Thirty Six paise Only
2.022	18.12.8 - Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work80 mm dia nominal bore	382.000	metre	1064.49	406635.18	Rupees Four Lakh Six Thousand Six Hundred Thirty Five And Eighteen paise Only
2.023	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	21128.000	metre	97.37	2057233.36	Rupees Twenty Lakh Fifty Seven Thousand Two Hundred Thirty Three And Thirty Six paise Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	charge, hire for appliances etc., complete but excluding cost of pipe and fittings: 90mm Nominal Outer Diameter pipes.					
2.024	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.	17.000	no	613.80	10434.60	Rupees Ten Thousand Four Hundred Thirty Four And Sixty Zero paise Only
2.025	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.	6.000	no	925.37	5552.22	Rupees Five Thousand Five Hundred Fifty Two And Twenty Two paise Only
2.026	100.31.1.4 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 150mm diameter, Class I.	4.000	no	1253.32	5013.28	Rupees Five Thousand Zero Thirteen And Twenty Eight paise Only
2.027	100.31.1.6 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 250mm diameter, Class I.	1.000	no	2304.80	2304.80	Rupees Two Thousand Three Hundred Four And Eighty Zero paise Only
2.028	100.31.1.7 - Conveying and fixing C.I. sluice valves (with cap) by providing bolts, nuts, rubber insertions etc., complete, but excluding the cost of the valve (tail pieces, if required, will be paid separately): 300mm diameter, Class I.	1.000	no	2708.08	2708.08	Rupees Two Thousand Seven Hundred Eight And Eight paise Only
2.029	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.	40.000	no	146.63	5865.20	Rupees Five Thousand Eight Hundred Sixty Five And Twenty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
2.030	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.	15.000	no	184.44	2766.60	Rupees Two Thousand Seven Hundred Sixty Six And Sixty Zero paise Only
2.031	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.	2.000	no	229.21	458.42	Rupees Four Hundred Fifty Eight And Forty Two paise Only
2.032	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.	2400.000	metre	31.77	76248.00	Rupees Seventy Six Thousand Two Hundred Forty Eight Only
2.033	15.59 - Dismantling of flexible pavement ( bituminous courses ) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.	192.000	cum	394.70	75782.40	Rupees Seventy Five Thousand Seven Hundred Eighty Two And Forty Zero paise Only
2.034	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)	90.000	cum	1318.13	118631.70	Rupees One Lakh Eighteen Thousand Six Hundred Thirty One And Seventy Zero paise Only
2.035	18.67.1 - Providing and laying S & S C.I. Standard specials suitable for	3.850	quintal	14708.68	56628.42	Rupees Fifty Six Thousand Six Hundred

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	mechanical jointing as per IS 13382:Upto 300 mm dia					Twenty Eight And Forty Two paise Only
2.036	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	95.900	quintal	21003.05	2014192.50	Rupees Twenty Lakh Fourteen Thousand One Hundred Ninety Two And Fifty Zero paise Only
2.037	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.	67.000	metre	5174.49	346690.83	Rupees Three Lakh Forty Six Thousand Six Hundred Ninety Zero And Eighty Three paise Only
2.038	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.	16.000	no	1544.03	24704.48	Rupees Twenty Four Thousand Seven Hundred Four And Forty Eight paise Only
2.039	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.	32.000	no	171.45	5486.40	Rupees Five Thousand Four Hundred Eighty Six And Forty Zero paise Only
2.040	100.37.6.4 - Welding 150mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	32.000	no	648.09	20738.88	Rupees Twenty Thousand Seven Hundred Thirty Eight And Eighty Eight paise Only
2.041	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.	64.000	no	121.73	7790.72	Rupees Seven Thousand Seven Hundred Ninety Zero And Seventy Two paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
2.042	100.37.5.1 - In situ fabrication of M.S. pipes of size 100mm (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	4182.35	66917.60	Rupees Sixty Six Thousand Nine Hundred Seventeen And Sixty Zero paise Only
2.043	100.37.5.2 - Fabricating M.S. flanges of diameter 100mm 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.	6.000	no	1161.73	6970.38	Rupees Six Thousand Nine Hundred Seventy Zero And Thirty Eight paise Only
2.044	100.37.5.3 - Cutting 100mm (I.D.) M.S. pipes for making bends and other specials by gas cutting including cost of gas, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	8.000	no	119.81	958.48	Rupees Nine Hundred Fifty Eight And Forty Eight paise Only
2.045	100.37.5.4 - Welding 100mm (I.D.) M.S. pipes for making bends and other specials by gas/electric welding machine including cost of gas and welding rods, all labour and hire charges of tools etc., complete: For pipes fabricated with 8mm thick M.S. plates.	8.000	no	452.90	3623.20	Rupees Three Thousand Six Hundred Twenty Three And Twenty Zero paise Only
2.046	100.37.5.5 - Grinding cut and weld edges of 100mm (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	85.07	1361.12	Rupees One Thousand Three Hundred Sixty One And Twelve paise Only
2.047	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,	96.000	cum	223.41	21447.36	Rupees Twenty One Thousand Four Hundred Forty Seven And Thirty Six 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					
2.048	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)	74.013	cum	8340.91	617335.77	Rupees Six Lakh Seventeen Thousand Three Hundred Thirty Five And Seventy Seven paise Only
2.049	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)	180.313	cum	9483.13	1709931.62	Rupees Seventeen Lakh Nine Thousand Nine Hundred Thirty One And Sixty Two paise Only
2.050	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	10832.604	kilogram	102.61	1111533.50	Rupees Eleven Lakh Eleven Thousand Five Hundred Thirty Three And Fifty Zero paise Only
2.051	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.	710.800	sqm	748.62	532119.10	Rupees Five Lakh Thirty Two Thousand One Hundred Nineteen And Ten paise Only
2.052	5.9.3 - Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	25.000	sqm	851.49	21287.25	Rupees Twenty One Thousand Two Hundred Eighty Seven And Twenty Five paise Only
2.053	16.83 - Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	720.000	sqm	115.55	83196.00	Rupees Eighty Three Thousand One Hundred Ninety Six Only
2.054	16.84 - Laying old cement concrete interlocking paver	576.000	sqm	398.31	229426.56	Rupees Two Lakh Twenty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost.)					Nine Thousand Four Hundred Twenty Six And Fifty Six paise Only
2.055	16.68 - Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	144.000	sqm	1055.86	152043.84	Rupees One Lakh Fifty Two Thousand Zero Forty Three And Eighty Four paise Only
<b>3</b>	<b>Providing FHTCs</b>					
3.001	100.60.13.4.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5m using 20mm ( 1/2 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, GI / MS Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water	81.000	no	7250.47	587288.07	Rupees Five Lakh Eighty Seven Thousand Two Hundred Eighty Eight And Seven paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.					
3.002	100.60.13.6.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing AC / GI mains up to 125 mm dia., up to a length of 5 m using 25mm ( 3/4 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, 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.	122.000	no	8133.95	992341.90	Rupees Nine Lakh Ninety Two Thousand Three Hundred Forty One And Ninety Zero paise Only
3.003	100.60.13.1.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 20mm ( 1/2 inch ) PE Pipe, PE 80, PN 16, Conforming to IS 4984: 2016 or later edition and PP PN 16	805.000	no	7137.54	5745719.70	Rupees Fifty Seven Lakh Forty Five Thousand Seven Hundred Nineteen And Seventy Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	<p>Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.</p>					
3.004	<p>100.60.13.3.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5m using 25mm ( 3/4 inch ) PE Pipe, PE 80, PN 16, 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,</p>	857.000	no	8021.00	6873997.00	Rupees Sixty Eight Lakh Seventy Three Thousand Nine Hundred Ninety Seven Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter and weather with ISI mark resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.					
3.005	100.60.13.7.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing CI mains up to 125 mm 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 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	150.000	no	8321.22	1248183.00	Rupees Twelve Lakh Forty Eight Thousand One Hundred Eighty Three Only
3.006	100.60.13.9.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing CI mains up to 125 mm dia., up to a	200.000	no	9204.69	1840938.00	Rupees Eighteen Lakh Forty Zero Thousand Nine Hundred Thirty

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	length of 5 m using 25mm ( 3/4 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, 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					Eight Only
3.007	100.60.14.7.2 - Providing 15mm (1/2 inch) house connection with 15mm water meter from existing CI mains from 150mm to 200mm dia., up to a length of 5 m using 20mm ( 1/2 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching,	72.000	no	8624.50	620964.00	Rupees Six Lakh Twenty Thousand Nine Hundred Sixty Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.					
3.008	100.60.14.9.2 - Providing 20mm (3/4 inch) house connection with 15mm water meter from existing CI mains from 150mm to 200mm dia., up to a length of 5 m using 25mm ( 3/4 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression / GM / Brass specials viz. brass ferrule, brass hexagonal nipple, GM full way wheel valve, bend, MTA, FTA, couplers etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, 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.	106.000	no	9507.98	1007845.88	Rupees Ten Lakh Seven Thousand Eight Hundred Forty Five And Eighty Eight paise Only
3.009	100.60.21.1.1 - Providing 15mm ( 1/2 inch ) GM Air Valve in the water meter assembly for 15mm water	1108.000	no	996.49	1104110.92	Rupees Eleven Lakh Four Thousand One Hundred Ten

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					And Ninety Two paise Only
3.010	100.60.21.2.1 - Providing 20mm ( 3/4 inch ) GM Air Valve in the water meter assembly for 20mm water connection, using 25mm ( 3/4 inch ) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PP PN 16 Compression specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	1285.000	no	1252.94	1610027.90	Rupees Sixteen Lakh Ten Thousand Zero Twenty Seven And Ninety Zero paise Only
3.011	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.	1108.000	no	683.67	757506.36	Rupees Seven Lakh Fifty Seven Thousand Five Hundred Six And Thirty Six paise Only
3.012	100.60.23.4.1 - Providing 15mm PVC Tap in the water meter assembly for 20mm ( 3/4 inch ) water connection, using 25mm ( 3/4 inch ) Indian Standard Class 6 uPVC pipes, uPVC specials and PP PN 16 Compression specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.	1285.000	no	785.68	1009598.80	Rupees Ten Lakh Nine Thousand Five Hundred Ninety Eight And Eighty Zero paise Only
3.013	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	26592.000	metre	179.74	4779646.08	Rupees Forty Seven Lakh Seventy Nine Thousand Six Hundred Forty Six And Eight

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					paise Only
3.014	100.60.15.2.1 - Providing additional length of house connection pipe using 25 mm (3/4 inch) PE Pipe, PE80, PN16, Conforming to IS 4984: 2016 or later edition and PN 16 specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers.	61680.000	metre	195.27	12044253.60	Rupees One Crore Twenty Lakh Forty Four Thousand Two Hundred Fifty Three And Sixty Zero paise Only
3.015	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)	90.000	cum	2134.74	192126.60	Rupees One Lakh Ninety Two Thousand One Hundred Twenty Six And Sixty Zero paise Only
3.016	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	20000.000	metre	31.77	635400.00	Rupees Six Lakh Thirty Five Thousand Four Hundred Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
3.017	15.59 - Dismantling of flexible pavement ( bituminous courses ) by mechanical means and disposal of dismantled material up to a lead of 1 kilo metre, as per direction of Engineer-in-charge.	240.000	cum	394.70	94728.00	Rupees Ninety Four Thousand Seven Hundred Twenty Eight Only
<b>4</b>	<b>Road restoration charges PWD/SH/NH</b>					
4.001	3.6 - Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m	2888.000	cum	48.79	140905.52	Rupees One Lakh Forty Zero Thousand Nine Hundred Five And Fifty Two paise Only
4.002	4.2.A.1 - Construction of granular sub-base by providing graded material, spreading in uniform layers with a motor grader on a prepared surface, mixing by mix in-place method with rotavator at OMC, and compacting with a vibratory roller to achieve the desired density, complete as per clause 401. Grading-III -For lower sub-base - Mix in Place Method	2400.000	cum	3283.03	7879272.00	Rupees Seventy Eight Lakh Seventy Nine Thousand Two Hundred Seventy Two Only
4.003	4.12 - Providing, laying, spreading and compacting graded stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory	288.000	cum	3375.91	972262.08	Rupees Nine Lakh Seventy Two Thousand Two Hundred Sixty Two And Eight paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	roller to achieve the desired density.					
4.004	5.1.a - Providing and applying primer coat with bitumen emulsion ( SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.	2900.000	sqm	73.49	213121.00	Rupees Two Lakh Thirteen Thousand One Hundred Twenty One Only
4.005	5.2.b - Providing and applying tack coat with bitumen emulsion (RS) using emulsion pressure distributor at the rate of 0.25 - 0.30 kg per sqm on the prepared Granular Surface cleaned with mechanical broom.	2900.000	sqm	14.49	42021.00	Rupees Forty Two Thousand Zero Twenty One Only
4.006	5.3.2.a - Providing and laying bituminous macadam with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with a bituminous binder (VG 30), transported to the site, laid over a previously prepared surface with paver finisher to the required grade, level, and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction For Grading II - (19 mm nominal size)	45.000	cum	8758.31	394123.95	Rupees Three Lakh Ninety Four Thousand One Hundred Twenty Three And Ninety Five paise Only
4.007	5.2.a - Providing and applying tack coat with bitumen emulsion(RS) using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical broom.	1500.000	sqm	11.95	17925.00	Rupees Seventeen Thousand Nine Hundred Twenty Five Only
4.008	5.6.2.a - Providing and laying bituminous concrete with 80-100 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with a bituminous binder( NRMB) @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level, and alignment, rolling with	27.000	cum	13387.00	361449.00	Rupees Three Lakh Sixty One Thousand Four Hundred Forty Nine Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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)					
4.009	5.7.1 - Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 mm (Type-A) aggregates using viscosity grade bitumen ( VG - 30) to the required line, grade, and level to serve as wearing course on a previously prepared base, including mixing in a suitable HMP of appropriate capacity not less than 75 tonnes/hour., laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to the required level and grade.	1400.000	sqm	211.89	296646.00	Rupees Two Lakh Ninety Six Thousand Six Hundred Forty Six Only
4.010	5.8.a - Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder (VG 30) laid on the prepared surface and rolling with 8-10 tonne smooth wheeled steel roller. Grading I - 19 mm nominal chipping size	1400.000	sqm	113.75	159250.00	Rupees One Lakh Fifty Nine Thousand Two Hundred Fifty Zero Only
4.011	12.4 - Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.	150.000	cum	6718.30	1007745.00	Rupees Ten Lakh Seven Thousand Seven Hundred Forty Five Only
4.012	12.8.B.1 - Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications &lt;br&gt; PCC Grade M20&lt;br&gt;	50.000	cum	8377.76	418888.00	Rupees Four Lakh Eighteen Thousand Eight Hundred Eighty Eight Only
<b>5</b>	<b>Road restoration charges LSGD</b>					
5.001	3.5.3 - Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m &lt;br&gt; Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading	830.000	cum	37.83	31398.90	Rupees Thirty One Thousand Three Hundred Ninety Eight And Ninety Zero paise Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross-sections, and transporting to the embankment location with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3					
5.002	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	440.000	cum	3094.44	1361553.60	Rupees Thirteen Lakh Sixty One Thousand Five Hundred Fifty Three And Sixty Zero paise Only
5.003	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 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	240.000	cum	3459.12	830188.80	Rupees Eight Lakh Thirty Zero Thousand One Hundred Eighty Eight And Eighty Zero paise Only
5.004	5.1.1a - Prime Coat :- Low porosity & Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical	2000.000	sqm	88.50	177000.00	Rupees One Lakh Seventy Seven Thousand Zero Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	means as per Technical Specification Clause 502					
5.005	5.2.3a - Tack Coat & Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	2000.000	sqm	16.11	32220.00	Rupees Thirty Two Thousand Two Hundred Twenty Only
5.006	5.9.1.2a - 20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65 & Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. & Case - I By Manual Means & (II) Bitumen (S-65)	2000.000	sqm	206.69	413380.00	Rupees Four Lakh Thirteen Thousand Three Hundred Eighty Zero Only
5.007	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)	2000.000	sqm	87.63	175260.00	Rupees One Lakh Seventy Five Thousand Two Hundred Sixty Zero Only
5.008	11.4.3.1 - Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802,	150.000	cum	8633.95	1295092.50	Rupees Twelve Lakh Ninety Five Thousand Zero Ninety Two And Fifty

Sl No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	803, 1202 & amp ; 1203 III. P.C.C. grade M 20 (i) Nominal mix (1:2:4)					Zero paise Only

The above work awarded to the contractor Roopesh K Rajappan, ANXPR9721M, at his quoted rate for individual items at a total accepted PAC 110086719 (Eleven Crore Eighty Six Thousand Seven Hundred and Nineteen Only) as per the condition of the contract.

