

## LETTER OF ACCEPTANCE

To,

**Sri/Smt M/s.M S REENA ENGINEERS AND CONTRACTORS PVT.LTD**

**PAN : AACCR7201F**

Your e-Tender No **WRD/KWA-CE(NR)/TR/3303/2022\_26\_2\_1/1** dated **02-05-2023** for the **AMRUT-AMRUT 2.0 - SWAP -2- PIPE LINE EXTENSION , PROVIDING WATER CONNECTIONS IN VARIOUS ZONES OF KANNUR CORPORATION - ELAYAVOOR ZONE-Pipeline Work** has been accepted for a quoted amount of **Rs. 75386473/- (Rupees Seven Crore Fifty Three Lakh Eighty Six Thousand Four Hundred and Seventy Three only)** based on rates quoted for **individual items** which is mentioned in the accompanying schedule. You are directed to submit the stamp GRN ID/Stamp paper, Performance Guarantee and Additional Performance Guarantee as mentioned below and execute an agreement and start the work within a week after getting necessary instructions from the **Executive Engineer(WS Division Kannur),Assistant Executive Engineer(WS Sub Division Kannur) and Assistant Engineer(Water Supply Section No 2 Kannur)**. 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. 75390/- ( Seventy Five Thousand Three Hundred and Ninety 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. 3769324/- (Rupees Thirty Seven Lakh Sixty Nine Thousand Three Hundred and Twenty Four 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. 1218118/- (Rupees Twelve Lakh Eighteen Thousand One Hundred and Eighteen 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. **376932 /-** (**Rupees Three Lakh Seventy Six Thousand Nine Hundred and Thirty Two 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 **1 year** from the date of handing over the site.

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

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

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

**Sudeep K(G11958)**  
**Superintending Engineer**

## ACCEPTED SCHEDULE

Name of Work: AMRUT-AMRUT 2.0 -SWAP -2- PIPE LINE EXTENSION , PROVIDING  
WATER CONNECTIONS IN VARIOUS ZONES OF KANNUR CORPORATION -  
ELAYAVOOR ZONE-Pipeline Work (DSR 2018 with Cost Index 133.9 )

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
<b>1</b>	<b>Appendix A: Laying Distribution System and Providing FHTCs -Working Charges</b>					
1.001	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.	4432.800	cum	548.62	2431922.74	Rupees Twenty Four Lakh Thirty One Thousand Nine Hundred Twenty Two And Seventy Four paise Only
1.002	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.	3324.600	cum	796.68	2648642.33	Rupees Twenty Six Lakh Forty Eight Thousand Six Hundred Forty Two And Thirty Three paise Only
1.003	100.2.7 - 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,	3324.600	cum	1324.85	4404596.31	Rupees Forty Four Lakh Four Thousand Five Hundred Ninety Six And Thirty One paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	etc., and disposing of surplus excavated soil as directed, within a lead of 50m, in Medium Rock where Blasting is Prohibited.					
1.004	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)	93.600	cum	2019.65	189039.24	Rupees One Lakh Eighty Nine Thousand Zero Thirty Nine And Twenty Four paise Only
1.005	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.	8000.000	metre	27.80	222400.00	Rupees Two Lakh Twenty Two Thousand Four Hundred Zero Only
1.006	100.9.8 - Laying uPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipeline to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipeline with water to the required test pressure (excluding cost of pipes and specials): 90 mm nominal outside diameter pipes.	9000.000	metre	85.96	773640.00	Rupees Seven Lakh Seventy Three Thousand Six Hundred Forty Zero Only
1.007	100.9.9 - Laying uPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipeline to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipeline with water to the required test pressure (excluding cost of pipes and specials): 110 mm nominal outside diameter pipes.	5000.000	metre	126.64	633200.00	Rupees Six Lakh Thirty Three Thousand Two Hundred Zero Only
1.008	100.9.11 - Laying uPVC pipes of class 2 to class 6 and specials, lowering to the trenches already made, placing in position aligning the pipeline to the lines and levels and jointing the pipes and specials with solvent cement and testing the pipeline with water to the required test pressure (excluding cost of pipes and	5200.000	metre	200.22	1041144.00	Rupees Ten Lakh Forty One Thousand One Hundred Forty Four Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	specials): 160 mm nominal outside diameter pipes.					
1.009	18.12.8 - Providing and fixing G.I. pipes complete with G.I fittings including trenching and refilling etc. External work 80 mm dia nominal bore	60.000	metre	1007.10	60426.00	Rupees Sixty Zero Thousand Four Hundred Twenty Six Only
1.010	100.12.9 - Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 100mm diameter nominal bore.	60.000	metre	232.25	13935.00	Rupees Thirteen Thousand Nine Hundred Thirty Five Only
1.011	100.12.11 - Conveying and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc., but excluding cost of pipes and fittings for External work: 150mm diameter nominal bore.	60.000	metre	287.74	17264.40	Rupees Seventeen Thousand Two Hundred Sixty Four And Forty Zero paise Only
1.012	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.	15.000	no	138.72	2080.80	Rupees Two Thousand Zero Eighty Zero And Eighty Zero paise Only
1.013	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.	20.000	no	174.50	3490.00	Rupees Three Thousand Four Hundred Ninety Zero Only
1.014	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.	15.000	no	580.71	8710.65	Rupees Eight Thousand Seven Hundred Ten And Sixty Five paise Only
1.015	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,	5.000	no	875.48	4377.40	Rupees Four Thousand Three Hundred Seventy Seven And Forty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Class I.					
1.016	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.	2.000	no	1185.75	2371.50	Rupees Two Thousand Three Hundred Seventy One And Fifty Zero paise Only
1.017	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.	13890.000	metre	30.06	417533.40	Rupees Four Lakh Seventeen Thousand Five Hundred Thirty Three And Forty Zero paise Only
1.018	4.1.2 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:1/2:3 (cement : 1 1/2 coarse sand : 3 graded stone aggregate 20 mm nominal size)	93.600	cum	8381.68	784525.25	Rupees Seven Lakh Eighty Four Thousand Five Hundred Twenty Five And Twenty Five paise Only
1.019	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.	300.000	cum	544.73	163419.00	Rupees One Lakh Sixty Three Thousand Four Hundred Nineteen Only
1.020	16.78.1 - Construction of granular sub- base by Providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, Carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with	45.000	cum	2926.65	131699.25	Rupees One Lakh Thirty One Thousand Six Hundred Ninety Nine And Twenty Five paise Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With Material conforming to Grade - I ( size range 75 mm to 0.075 mm) having CBR Value- 30					
1.021	100.60.1.1.2 - Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains up to 110 mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle of suitable size etc. and connecting with the mains, testing the joints etc. complete including trenching and refilling in all kinds of soil up to a depth of 1.50m for main line tracing and trench of average cross section 0.3m x 0.75m for laying connection pipe and service pipe, fixing water meter, lighting, watching, providing caution boards, traffic control etc. complete including cost of materials, hire for tools, cost of consumables and labour charges, including the cost of tested Class B Multijet water meter with ISI mark and weather resistant PP / PE meter box of minimum size 300mm x 200mm x 150mm, but excluding charges for cutting the concrete / tarred / bituminous roads etc, and as per the direction of the departmental officers.	2000.000	no	5856.77	11713540.00	Rupees One Crore Seventeen Lakh Thirteen Thousand Five Hundred Forty Zero Only
1.022	100.60.2.1.2 - Providing 15mm (1/2 inch) house connection with 15mm (1/2 inch) water meter from existing PVC / HDPE mains from 140mm to 200mm dia., up to a length of 5 m using 20mm Indian Standard Class 6 uPVC pipe and uPVC / GM / Brass specials viz. brass ferrule, GM full way wheel valve, Elbow, MTA, FTA, couplers, PVC Service Saddle	500.000	no	6056.78	3028390.00	Rupees Thirty Zero Lakh Twenty Eight Thousand Three Hundred Ninety Zero Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	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.					
1.023	100.60.3.1.1 - Providing additional length of house connection pipe using 20mm Indian Standard Class 6 uPVC pipe and specials and testing the joints etc., by trenching and refilling in all kinds of soil with trench of average cross section 0.3m x 0.75m for laying of connection pipe and service pipe, lighting, watching, providing caution boards, traffic control etc., including cost of materials, hire for tools, cost of consumables and labour charges etc. complete, but excluding the cost of cutting of concrete / tarred / bituminous roads etc., and as per the directions of the department officers	88500.000	metre	175.01	15488385.00	Rupees One Crore Fifty Four Lakh Eighty Eight Thousand Three Hundred Eighty Five Only
1.024	100.60.12.3.1 - Providing 15mm PVC Tap in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire charges for tools and labour charges etc. complete and as per the direction of departmental officers.	2500.000	no	577.25	1443125.00	Rupees Fourteen Lakh Forty Three Thousand One Hundred Twenty Five Only



SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
1.025	100.60.10.4.1 - Providing 20mm (1/2 inch) PVC Air Valve in the water meter assembly for 15mm connection, using 20mm Indian Standard Class 6 uPVC pipes and specials including cost of materials, consumables, hire for tools and labour charges etc. complete and as per the directions of the department officers.	250.000	no	374.57	93642.50	Rupees Ninety Three Thousand Six Hundred Forty Two And Fifty Zero paise Only
1.026	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 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	500.000	no	3845.11	1922555.00	Rupees Nineteen Lakh Twenty Two Thousand Five Hundred Fifty Five Only
1.027	OD34355/2022-2023 - Inter connection of the newly laid PVC line with existing distribution pipe lines of size 250mm/200mm/160mm/140/110mm/90mm/75mm including earth work excavation, providing specials, grinding the cut end of pipe, aligning the line by using specials and making the joint leak proof including all labour charges, material charges etc complete as per the site condition and	60.000	no	951.73	57103.80	Rupees Fifty Seven Thousand One Hundred Three And Eighty Zero paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	direction of the dept officers (Excluding the cost of specials used)( Data same as approved data of JICA-N A B A R D W O R K - Thaliparamba.)					
1.028	OD34356/2022-2023 - OD Based on 100.46.1.1 : Disconnecting and providing dummy to PVC/ AC pipe line by cutting and dismantling the damaged pipe portion (up to 1.5m) including charges for earthwork excavation in all kinds of soil including tar / concrete cutting , operating control valves if any, materials conveying to the site and , jointing the using C.I.D. Joints, testing the pipeline by operating the valves concerned, and rectifying the defects any noticed and without causing any damages to the existing utilities and refilling the trenches using excavated earth in layers not exceeding 20cm depth including consolidating each layers by ramming, watering, charges for removing surplus soil from work site, including hire for tools and plant, conveyance of tools and materials, bailing out water, providing caution boards, lighting, watching, ribbon fencing, traffic controlling etc., complete as per the direction of Departmental officers including the cost of pipe and C.I.D. Joints.	20.000	no	3458.68	69173.60	Rupees Sixty Nine Thousand One Hundred Seventy Three And Sixty Zero paise Only
1.029	OD34357/2022-2023 - Supplying and Fixing Surface Box for valve including protection pipe and concrete work	57.000	no	2638.64	150402.48	Rupees One Lakh Fifty Zero Thousand Four Hundred Two And Forty Eight paise Only
1.030	OD34358/2022-2023 - Cost of Geo tagging of Each FHTC's including all cost of materials, labour and transportation etc complete	2500.000	no	20.00	50000.00	Rupees Fifty Zero Thousand Zero Zero Only
<b>2</b>	<b>Appendix B: Laying Distribution System and Providing FHTCs -Cost of Materials</b>					
2.001	100.98.232 - Supply of PVC Pipe, 10kg/cm <sup>2</sup> , 40mm Dia.	2520.000	metre	69.89	176122.80	Rupees One Lakh Seventy Six Thousand One Hundred

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
						Twenty Two And Eighty Zero paise Only
2.002	100.98.211 - Supply of PVC Pipe, 6kg/cm <sup>2</sup> , 63mm Dia.	2500.000	metre	111.80	279500.00	Rupees Two Lakh Seventy Nine Thousand Five Hundred Zero Only
2.003	OD273115/2022-2023 - Supply of PVC Pipe, 8kg/cm <sup>2</sup> , 90mm Dia. including specials	9000.000	metre	286.43	2577870.00	Rupees Twenty Five Lakh Seventy Seven Thousand Eight Hundred Seventy Zero Only
2.004	OD273114/2022-2023 - Supply of PVC Pipe, 8kg/cm <sup>2</sup> , 110mm Dia. including specials	5000.000	metre	453.41	2267050.00	Rupees Twenty Two Lakh Sixty Seven Thousand Zero Fifty Zero Only
2.005	OD273113/2022-2023 - Supply of PVC Pipe, 8kg/cm <sup>2</sup> , 160mm Dia. including specials	5200.000	metre	963.06	5007912.00	Rupees Fifty Zero Lakh Seven Thousand Nine Hundred Twelve Only
2.006	OD275450/2022-2023 - Supply of 100 mm GI pipe (medium) including specials	60.000	metre	1368.36	82101.60	Rupees Eighty Two Thousand One Hundred One And Sixty Zero paise Only
2.007	OD275449/2022-2023 - Supply of 150 mm GI pipe (medium) including specials	60.000	metre	2132.51	127950.60	Rupees One Lakh Twenty Seven Thousand Nine Hundred Fifty Zero And Sixty Zero paise Only
2.008	100.98.440 - Supply of CI Air Valve, Conforming to IS 14848 - 2000, Single Orifice, Small Orifice Type S1, Size 25mm.	15.000	no	5636.76	84551.40	Rupees Eighty Four Thousand Five Hundred Fifty One And Forty Zero paise Only
2.009	100.98.448 - Supply of CI Air Valve with Flanges, Conforming to IS 14845 - 2000, Kinetic Air Valve Type DS1, Size 40mm	20.000	no	7646.15	152923.00	Rupees One Lakh Fifty Two Thousand Nine Hundred Twenty Three Only
2.010	OD 2571/2023-2024 - Providing & fixing 25 mm GM Valve	15.000	no	290.35	4355.25	Rupees Four Thousand Three Hundred Fifty Five And Twenty Five paise Only
2.011	OD 2585/2023-2024 -	20.000	no	522.68	10453.60	Rupees Ten

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Providing & fixing 40 mm Gun metal gate valve					Thousand Four Hundred Fifty Three And Sixty Zero paise Only
2.012	100.98.505 - Supply of CI Plain End Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 80mm.	15.000	no	3240.68	48610.20	Rupees Forty Eight Thousand Six Hundred Ten And Twenty Zero paise Only
2.013	100.98.506 - Supply of CI Plain End Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 100mm.	5.000	no	4599.38	22996.90	Rupees Twenty Two Thousand Nine Hundred Ninety Six And Ninety Zero paise Only
2.014	100.98.508 - Supply of CI Plain End Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 150mm.	2.000	no	6734.31	13468.62	Rupees Thirteen Thousand Four Hundred Sixty Eight And Sixty Two paise Only
<b>3</b>	<b>Appendix C - Road Reformation Charges - Corporation Road</b>					
3.001	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	1236.600	cum	2934.99	3629408.63	Rupees Thirty Six Lakh Twenty Nine Thousand Four Hundred Eight And Sixty Three paise Only
3.002	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	1236.600	cum	3275.87	4050940.84	Rupees Forty Zero Lakh Fifty Zero Thousand Nine Hundred Forty Zero And Eighty Four paise Only

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	400.11 & 400.12 and Technical Specification Clause 406. By Mechanical Means with 1 km lead					
3.003	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	11610.000	sqm	73.97	858791.70	Rupees Eight Lakh Fifty Eight Thousand Seven Hundred Ninety One And Seventy Zero paise Only
3.004	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.	11610.000	sqm	15.52	180187.20	Rupees One Lakh Eighty Zero Thousand One Hundred Eighty Seven And Twenty Zero paise Only
3.005	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)	11610.000	sqm	194.41	2257100.10	Rupees Twenty Two Lakh Fifty Seven Thousand One Hundred Zero And Ten paise Only
3.006	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	11610.000	sqm	82.41	956780.10	Rupees Nine Lakh Fifty Six Thousand Seven Hundred Eighty Zero And Ten paise Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	Clause 510 A. By Manual Means :- Case - III : Type C (II) Bitumen (S-65)					
<b>4</b>	<b>Appendix D - Road reformation charges - PWD road</b>					
4.001	12.1.B.1 - Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Ordinary Soil - Depth upto 3m - Mechanical Means	930.000	cum	71.15	66169.50	Rupees Sixty Six Thousand One Hundred Sixty Nine And Fifty Zero 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	279.000	cum	3111.43	868088.97	Rupees Eight Lakh Sixty Eight Thousand Zero Eighty Eight And Ninety Seven paise 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 roller to achieve the desired density.	279.000	cum	3203.09	893662.11	Rupees Eight Lakh Ninety Three Thousand Six Hundred Sixty Two And Eleven paise Only
4.004	5.1.a - Providing and applying primer coat with bitumen emulsion ( SS) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means.	4650.000	sqm	61.51	286021.50	Rupees Two Lakh Eighty Six Thousand Zero Twenty One And Fifty Zero paise 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	4650.000	sqm	14.02	65193.00	Rupees Sixty Five Thousand One Hundred Ninety Three Only

SI No	Description of work	No. or Qty.	Unit	Accepted Rate	TOTAL AMOUNT	TOTAL AMOUNT in words
	per sqm on the prepared Granular Surface cleaned with mechanical broom.					
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)	232.500	cum	8274.17	1923744.53	Rupees Nineteen Lakh Twenty Three Thousand Seven Hundred Forty Four And Fifty Three 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.	4650.000	sqm	11.57	53800.50	Rupees Fifty Three Thousand Eight Hundred Zero And Fifty Zero paise 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 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)	139.500	cum	2679.72	373820.94	Rupees Three Lakh Seventy Three Thousand Eight Hundred Twenty And Ninety Four paise Only
<b>5</b>	<b>Appendix F - Construction of valve chamber</b>					
5.001	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)	9.216	cum	211.36	1947.89	Rupees One Thousand Nine Hundred Forty Seven And Eighty Nine 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					
5.002	4.1.8 - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	0.512	cum	6729.93	3445.72	Rupees Three Thousand Four Hundred Forty Five And Seventy Two paise Only
5.003	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	4.688	cum	8971.89	42060.22	Rupees Forty Two Thousand Zero Sixty Zero And Twenty Two paise Only
5.004	5.9.1 - Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	33.600	sqm	331.13	11125.97	Rupees Eleven Thousand One Hundred Twenty Five And Ninety Seven paise Only
5.005	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	234.400	kilogram	97.08	22755.55	Rupees Twenty Two Thousand Seven Hundred Fifty Five And Fifty Five paise Only
5.006	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	7413.48	14826.96	Rupees Fourteen Thousand Eight Hundred Twenty Six And Ninety Six paise Only

The above work awarded to the contractor M S REENA ENGINEERS AND CONTRACTORS PVT.LTD,AACCR7201F, at his quoted rate for individual items at a total accepted PAC 75386473( Seven Crore Fifty Three Lakh Eighty Six Thousand Four Hundred and Seventy Three Only) as per the condition of the contract.