

### DETAILED ESTIMATE

GENERAL-Reconstruction of damaged retaining wall between km 3/450 to 3/600 in  
 Angadipuram Valambur Aripa Road in Mankada LAC in Malappuram District-Civil work-  
 General Civil Work

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
1	Detailed Estimate						
1.001	2.4.4.B						
	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Dismantling Stone Masonry - Rubble stone masonry in cement mortar.						
	For dismantling of existing DR Masonry						
	For dismantling	1.000	15.000	$(0.50+1.5)/2$	2.000		30.000
	<b>Total</b>						<b>30.000</b>
	<b>Total Quantity in cum</b>						<b>30.000</b>
1.002	3.13.1.B						
	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, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work. Ordinary soil - Mechanical Means - (Depth upto 3 m)						
	For R/W						
	E.W for Retaining wall	1.000	100.000	3.000	1.500		450.000
	<b>Total</b>						<b>450.000</b>
	<b>Total Quantity in cum</b>						<b>450.000</b>
1.003	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.						
	For R/W						
	P.C.C for R/W	1.000	100.000	3.000	0.300		90.000
	<b>Total</b>						<b>90.000</b>

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
	<b>Total Quantity in cum</b>						<b>90.000</b>
1.004	12.8.A.1						
	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15						
	For R/W First footing						
	For first footing	1.000	100.000	2.400	0.900		216.000
	<b>Total</b>						<b>216.000</b>
	For R/W second footing						
	For second footing	1.000	100.000	1.800	0.900		162.000
	<b>Total</b>						<b>162.000</b>
	<b>Total Quantity in cum</b>						<b>378.000</b>
1.005	12.8.1.C.1						
	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications &lt;br&gt; RCC Grade M20 - Using Concrete Mixer &lt;br&gt;						
	For RCC Super structure						
	R/W super structure	1.000	100.000	1.800	7.900		1422.000
	<b>Total</b>						<b>1422.000</b>
	<b>Total Quantity in cum</b>						<b>1422.000</b>
1.006	13.6						
	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications						
	Reft for structure						
	For superstructure	1.000	1790.000	0.060			107.400
	<b>Total</b>						<b>107.400</b>
	<b>Total Quantity in MT</b>						<b>107.400</b>
1.007	13.8						
	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V : 20H towards drawing face.Complete as per drawing and Technical Specifications						
	For weep holes						
	Weep holes	1050.00					1050.000
	<b>Total</b>						<b>1050.000</b>
	<b>Total Quantity in no</b>						<b>1050.000</b>

**ABSTRACT ESTIMATE**

GENERAL-Reconstruction of damaged retaining wall between km 3/450 to 3/600 in Angadipuram Valambur Aripa Road in Mankada LAC in Malappuram District-Civil work-  
 General Civil Work

SI No	Specification	Quantity	Rate	Amount
<b>1</b>	<b>Detailed Estimate</b>			
1.001	2.4.4.B Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres Dismantling Stone Masonry - Rubble stone masonry in cement mortar.			
	Net Total	30.000cum	@744.22/cum	22326.60
1.002	3.13.1.B 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, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work. Ordinary soil - Mechanical Means - (Depth upto 3 m)			
	Net Total	450.000cum	@60.58/cum	27261.00
1.003	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.			
	Net Total	90.000cum	@6759.76/cum	608378.40
1.004	12.8.A.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15			
	Net Total	378.000cum	@7822.17/cum	2956780.26
1.005	12.8.1.C.1 Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications &lt;br&gt; RCC Grade M20 - Using Concrete Mixer &lt;br&gt;			
	Net Total	1422.000cum	@8495.50/cum	12080601.00

SI No	Specification	Quantity	Rate	Amount
1.006	13.6			
	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications			
	Net Total	107.400MT	@92927.27/MT	9980388.80
1.007	13.8			
	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V : 20H towards drawing face.Complete as per drawing and Technical Specifications			
	Net Total	1050.000no	@169.37/no	177838.50
	<b>Heading Total(Rs)</b>			25853574.56
	<b>Total Estimation PAC</b>			25853574.56
<b>3 Extra Charges</b>				
2.001	Provision for GST			
		25853574.56	18.00%	4653643.42
	<b>Grand Total</b>			30507217.98
	<b>Round off</b>			2782.02
	<b>Rounded Total(Rs)</b>			30510000.00
Rupees Three Crore Five Lakh Ten Thousand				