

**KIIFB Project: TRAN 10: WRD025-06 - WSS to Ayyappankovil Panchayat -PART-II ,  
Package III- Design and construction of check dam across Periyar river at  
Thonithady**

(Dsr year: 2018)

<b>11 Working charges (Cost Index:41.53 %)</b>	
1	od258306/2020_2021 Providing ring bund of width 1.50m and height 2.00m using earth filled cement bags, polythene sheets and bamboo including cutting of the Earth, filling, conveying and placing in position and dismantling & removing the same after completion of works properly as per the direction of the department officers including all cost of materials, labor charges etc complete.
Net Total Quantity	
720.000 cum	
Say 720.000 cum @ Rs 4834.87 / cum	
<b>Rs 3481106.40</b>	
2	100.7.1 Bailing out water with 5 HP engine and pumpset including conveyance to the site, erection, dismantling and taking back of engine and pump, cost of fuel lubricating oil and other stores pay of staff etc. complete. NEW DATA (Prepared based on PHED SDB - Item No.1070
Net Total Quantity	
10742.000 Kwh	
Say 10742.000 Kwh @ Rs 38.57 / Kwh	
<b>Rs 414318.94</b>	
3	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil
Net Total Quantity	
373.761 cum	
Say 373.761 cum @ Rs 309.95 / cum	
<b>Rs 115847.22</b>	
4	2.9.3 Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.Hard rock (blasting prohibited)
Net Total Quantity	
438.400 cum	
Say 438.400 cum @ Rs 1327.62 / cum	
<b>Rs 582028.61</b>	

5	od97764/2020_2021 DOWEL BARS_ Supplying and providing MS dowel bars of size 16 mm dia , 200 cm long including drilling holes of 20 mm dia to a depth of 100 cm in rock and filling the gap with cement grout (0.100kg/hole) etc complete	
Net Total Quantity		1670.000 No
Say 1670.000 No @ Rs 424.58 / No		<b>Rs 709048.60</b>
6	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	
Net Total Quantity		1239.027 cum
Say 1239.027 cum @ Rs 9483.15 / cum		<b>Rs 11749878.90</b>
7	5.9.2 Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	
Net Total Quantity		1697.200 sqm
Say 1697.200 sqm @ Rs 748.62 / sqm		<b>Rs 1270557.86</b>
8	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	
Net Total Quantity		93919.721 kilogram
Say 93919.721 kilogram @ Rs 102.61 / kilogram		<b>Rs 9637102.57</b>
9	50.2.25.1 Filling with contractor's own earth ( excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m as per direction of site Engineer-in-charge	
Net Total Quantity		150.000 cum
Say 150.000 cum @ Rs 548.85 / cum		<b>Rs 82327.50</b>
10	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	
Net Total Quantity		810.000 kg
Say 810.000 kg @ Rs 125.04 / kg		<b>Rs 101282.40</b>
11	18.73.5 Providing and laying Double Flanged ( Screwed / Welded ) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS: 8329 :300 mm dia Ductile Iron Double Flanged	
Net Total Quantity		30.000 metre
Say 30.000 metre @ Rs 6496.09 / metre		<b>Rs 194882.70</b>

12	100.31.1.7 "Conveying and fixing C.I. sluice valves (with cap) by providing complete with bolts, nuts, rubber insertions etc. excluding the cost of valve (the tail pieces if required will be paid separately) : 300 mm diameter. Class I" Data derived from item no.18.31.6.1 of DAR		
		Net Total Quantity	6.000 Nos
		Say 6.000 Nos @ Rs 2708.11 / Nos	<b>Rs 16248.66</b>
13	100.98.463 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Cap PN 1.6, Size 300mm.		
		Net Total Quantity	6.000 No
		Say 6.000 No @ Rs 42595.55 / No	<b>Rs 255573.30</b>
14	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)		
		Net Total Quantity	184.000 cum
		Say 184.000 cum @ Rs 7520.41 / cum	<b>Rs 1383755.44</b>
15	5.1.3 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)		
		Net Total Quantity	36.000 cum
		Say 36.000 cum @ Rs 8964.72 / cum	<b>Rs 322729.92</b>
16	od108488/2020_2021 Design of check dam of height 1.80 m and length 180 m across Periyar River near Thonithady including, design of wing wall, protection wall, retaining wall submission of 3 copies (hard copy and soft copy) of all drawings and obtaining approval from design wing, all charges/ fee etc. as per the direction of departmental officers		
		Net Total Quantity	1.000 No
		Say 1.000 No @ Rs 130000.00 / No	<b>Rs 130000.00</b>
		Total	<b>30446689.02</b>
		Centage @	<b>0.0%</b>
		Centage Amount	<b>0.00</b>
		Provision for GST payments (in %) @	<b>12.0%</b>
		Amount reserved for GST payments	<b>3653602.68</b>
		Total & Centage	<b>34100291.70</b>

Lumpsum for round off	99708.30
<b>GRAND TOTAL Rs</b>	<b>34200000.00</b>
<b>Rounded Grand Total Rs 3,42,00,000</b>	
<b>Rupees Three Crore Forty Two Lakh Only</b>	



Kerala Water Authority

**PRICE**