

**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**

LMR Abstract with DAR 18-IDK(Idukki & Udumbanchola & Peerumedu) 01/10/2021 - 31/12/2021

Sl No	Spec	Description	Quantity	Unit	DSOR Rate	TS Amount	LMR Rate	LMR Amount
1 1 Working charges								
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.						
			720.000	cum	4834.87	3481106.40	4744.95	3416364.00
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						
			10742.00	Kwh	38.57	414318.94	37.00	397454.00
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						
			373.761	cum	309.95	115847.22	290.70	108652.32
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)						
			438.400	cum	1327.62	582028.61	1870.05	819829.92
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						
			1670.000	No	424.58	709048.60	440.65	735885.50
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						

		1239.02 7	cum	9483.15	11749878.90	12156.95	15062789.29
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.						
		1697.20 0	sqm	748.62	1270557.86	817.90	1388139.88
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						
		93919.7 21	kilogram	102.61	9637102.57	117.60	11044959.19
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						
		150.000	cum	548.85	82327.50	309.55	46432.50
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.						
		810.000	kg	125.04	101282.40	136.15	110281.50
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						
		30.000	metre	6496.09	194882.70	10654.50	319635.00
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						
		6.000	Nos	2708.11	16248.66	3060.50	18363.00
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.						
		6.000	No	42595.55	255573.30	21653.95	129923.70
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)						

		184.000	cum	7520.41	1383755.44	10697.95	1968422.80
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)						
		36.000	cum	8964.72	322729.92	11518.00	414648.00
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						
		1.000	No	130000.0	130000.00	130000.0 0	130000.00
Estimate PAC							30446689.02
LMR Estimate PAC							36111781.00
Percentage Excess							18.61
Rupees Three Crore Sixty One Lakh Eleven Thousand Seven Hundred and Eighty One Only							

Kerala Water Authority
PRICE