

ABSTRACT ESTIMATE

Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part)
Panchayaths in Idukki District-Package 1B-Source protection work-Construction of weir at
Panniyar river Rajakumary-General Civil Work

| SI No | Specification | Quantity | Rate | Amount |
|----------|---|-----------|--------------------------|-----------|
| 1 | Working charges | | | |
| 1.001 | 100.52.S.1 Sub Data for providing Earth filled cement bags including cutting of the Earth, filling, conveying and placing in position. | | | |
| | | Net Total | 4800.000each @97.50/each | 468000.00 |
| 1.002 | 100.52.S.3 Sub Data for Supplying, conveying and covering using best quality polythene sheet on bund to protect bund from seasonal changes. | | | |
| | | Net Total | 120.000sqm @26.30/sqm | 3156.00 |
| 1.003 | 100.52.S.5 Sub Data for Dismantling the sand / earth filled cement bag from the foundation site of bund, apron on both sides, counter wall and removing the sand/earth from the bag and disposing the damaged cement bags properly as per the direction of the department officers including all cost of labour charges etc complete. | | | |
| | | Net Total | 120.000cum @458.64/cum | 55036.80 |
| 1.004 | 100.7.1 Bailing out water with 5HP engine and pump set including conveyance to the site, erecting, dismantling and taking back of engine and pump, cost of fuel lubricating oil and other stores pay of staff etc., complete. | | | |
| | | Net Total | 10742.000Kwh @38.55/Kwh | 414104.10 |
| 1.005 | 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 | 236.400cum @309.99/cum | 73281.64 |
| 1.006 | 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 | 52.200cum @1327.61/cum | 69301.24 |

| SI No | Specification | Quantity | Rate | Amount |
|-------|---|-------------------|------------------|------------|
| 1.007 | OD147371/2022-2023 | | | |
| | 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 | 336.000no | @424.58/no | 142658.88 |
| 1.008 | 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 | 486.078cum | @9483.13/cum | 4609540.86 |
| 1.009 | 5.9.1 | | | |
| | Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete | | | |
| | Net Total | 42.360sqm | @350.00/sqm | 14826.00 |
| 1.010 | 5.9.6 | | | |
| | Centering and shuttering including strutting, etc. and removal of form for:Columns, Pillars, Piers, Abutments, Posts and Struts | | | |
| | Net Total | 1107.800sqm | @901.45/sqm | 998626.31 |
| 1.011 | 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 | 41968.260kilogram | @102.61/kilogram | 4306363.16 |
| 1.012 | 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 | 75.000cum | @548.87/cum | 41165.25 |
| 1.013 | 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 | 125.000kg | @125.04/kg | 15630.00 |
| 1.014 | 18.73.9 | | | |
| | Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS: 8329 :500 mm dia Ductile Iron Double Flanged | | | |
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| SI No | Specification | Quantity | Rate | Amount |
|----------|---|-------------|-----------------------------|-------------|
| | Net Total | 15.000metre | @15612.73/metre | 234190.95 |
| 1.015 | 100.31.1.11 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): 500mm diameter, Class I. | | | |
| | Net Total | 3.000no | @6967.05/no | 20901.15 |
| 1.016 | 100.98.491 Supply of CI Double Flanged Sluice Valve Conforming to IS 14846 - 2000, Sluice Valve with Hand Wheel PN 1.6, Size 500mm. | | | |
| | Net Total | 3.000no | @234132.85/no | 702398.55 |
| 1.017 | 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 | 264.000cum | @7520.38/cum | 1985380.32 |
| 1.018 | 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 | 54.000cum | @8964.75/cum | 484096.50 |
| 1.019 | OD147372/2022-2023 Design of check dam of height 1.80 m and length 30 m across Illithode River near existing well cum pump house at Illipalam, 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 | 1.000no | @75096.96/no | 75096.96 |
| | | | Heading Total(Rs) | 14713754.67 |
| | | | Total Estimation PAC | 14713754.67 |
| 3 | Extra Charges | | | |
| 2.001 | Provision for GST | | | |
| | | 14713754.67 | 18.00% | 2648475.84 |
| | | | Grand Total | 17362230.51 |
| | | | Round off | 7769.49 |
| | | | Rounded Total(Rs) | 17370000.00 |

| SI No | Specification | Quantity | Rate | Amount |
|-------|--|----------|------|--------|
| | Rupees One Crore Seventy Three Lakh Seventy Thousand | | | |

