

**Maintenance of staff quarter at Cumey BHU**

**Detail estimates**

**2017-2018**

#	Description of work	Quantity	Unit	Rate in figure	Rate in words	Amount
1	Surface preparation removing by scraping, sand papering, including scratch repairs					
		292.8	sqm			
2	Providing & applying one coat of primers , Metal work - synthetic red oxide primer					
		292.8	sqm			
	Wood work - pink primer	24.4	sqm			
		7.68	sqm			
3	Providing & fixing plastic tank including all accessories complete					
		1	each			
	gate valve 2"	3	each			
4	Providing&layingG.I.pipesincludingG.I.fittings(excludingtrenching,refilling&thrustblock),20mm					
		50.00	m			
	Providing&fixingbrassbibcock,15mm	3.00	each			
5	Providing & laying H.D.P.E pipes, pressure class 10kg/sq.m, including H.D.P.E fittings 25mm dia.(including trenching of sizes not less than 600mm depth and 400mm width, refilling & thrust block)					
		100.00	m			
6	Providing and fixing cold twisted deformed bars (Fe500) for RCC works including cutting, binding, bending and placing in position complete. Tor 10mm dia.					
	slab					
	2nos	146.31	kg			

**Maintenance of Cumey BHU**

#	Description of work	Quantity	Unit	Rate in figure	Rate in words	Amount
1	Earthwork excavation in foundation trenches or drains, width<1.50m, area<10sq.m in plan incl.dressing and ramming, disp.of surplus soil within 50m lead and 1.50m lift.Ordinary soil .					
	foothpath					
2	Providing and laying Hammer dressed dry stone soling	107.50	cum			
		3.75	cum			
3	Providing and laying in position plain cement concrete including the cost of centering and shuttering: all work upto plinth level-(1:3:6) 20mm agg.					
		2.50	cum			

4	Providing & laying in position reinforced cement concrete work in plinth and skirting courses, fillets, columns , pillars, posts and struts upto floor five level excluding the cost of centering, shuttering and reinforcement 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)					
		5.00	cum			
5	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)					
6	Providing and laying RRM in cement motor 1:4	20.00	cum			
7	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork Walls, pilasters, buttresses, string course etc					
		25.00	sqm			
8	Earthwork excavation in foundation trenches or drains, width<1.50m, area<10sq.m in plan incl.dressing and ramming, disp.of surplus soil within 50m lead and 1.50m lift.Ordinary soil .					
		2.00	cum			
9	Providing and laying Hammer dressed dry stone soling					
		0.60	cum			
10	Providing and laying in position plain cement concrete including the cost of centering and shuttering: all work upto plinth level-(1:3:6) 20mm agg.					
		0.40	cum			
11	Providing & laying in position reinforced cement concrete work in plinth and skirting courses, fillets, columns , pillars, posts and struts upto floor five level excluding the cost of centering, shuttering and reinforcement 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)					
		1.40	cum			
12	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)					
		0.72	cum			
13	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork Walls, pilasters, buttresses, string course etc					
		9.72	sqm			

14	Providing & laying H.D.P.E pipes, pressure class 10kg/sq.m, including H.D.P.E fittings 32mm dia. (including trenching of sizes not less than 600mm depth and 400mm width, refilling & thrust block)					
		50.00	m			
	Providing & laying H.D.P.E pipes, pressure class 10kg/sq.m, including H.D.P.E fittings 25mm dia.(including trenching of sizes not less than 600mm depth and 400mm width, refilling & thrust block)					
		900.00	m			
15	Providing & applying white or colour washing					
		197.50	m			
16	Providing and fixing cold twisted deformed bars (Fe500) for RCC works including cutting, binding, bending and placing in position complete. Tor 10mm dia.					
		111.60	kg			