

**Name of work: Construction of drainage system**

**Location: Zilukha Middle Secondary School.**

Sl.No	BSR code	Description of work	Qty	Unit	Rate in Figure (Nu.)	Rate in Words (Nu.)	Amount (Nu.)
1	PO0371	Providing & fixing P.V.C soil waste and vent pipes, single or double socketed, including pipe clip complete (including the cost of PVC fittings)- <b>90mm dia</b>	15	<i>m</i>			
2	DR0032	Constructing random rubble masonry open surface drain in cement mortar 1:6 including earth work in excavation, 100mm thick concrete base 1:5:10, 40 mm aggregate 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches, including 20mm cement plaster with a floating coat of neat cement, disposal of surplus earth- <b>250 x 300mm depth</b>	170	<i>m</i>			
3	DR0033	Constructing random rubble masonry open surface drain in cement mortar 1:6 including earth work in excavation, 100mm thick concrete base 1:5:10, 40 mm aggregate 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches, including 20mm cement plaster with a floating coat of neat cement, disposal of surplus earth- <b>300mm x 450mm depth</b>	60	<i>m</i>			
4	DR0031	Constructing random rubble masonry open surface drain in cement mortar 1:6 including earth work in excavation, 100mm thick concrete base 1:5:10, 40 mm aggregate 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches, including 20mm cement plaster with a floating coat of neat cement, disposal of surplus earth - <b>150x200mm</b>	145	<i>m</i>			
5	EWO106	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan and depth > 300mm, including dressing & ramming, disposal of surplus soil to a Thimphu Thromde designated dumping place complete	18.02	<i>cum</i>			
6	SM0072	Providing and laying Hand packed stone filling or soling with stones	13.1	<i>cum</i>			

7	CW0006	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 40 mm nominal size	0.74	cum				
8	CW0003	Providing and laying in position plain cement concrete 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)excluding the cost of centering and shuttering - All work upto plinth level.	9.5	cum				
9	SM0005	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth-In cement mortar 1:4	0.25	cum				
10	RC0002	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level- 1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	0.29	cum				
11	RC0083	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete-One way	30.22	kg				
12	DR0093	Providing & laying NP2 class R.C pipes, including collars, jointing in cement mortar 1:2 including testing of joints etc. complete- <b>450mm dia.</b>	7.5	m				
13	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork.	64.54	sqm				
			<b>Total Amount (Nu.)</b>					