

Name of work: Maintenance of (1.2m width) trail/mule track from Praling to Duenmang Tsachu &
Construction of resting canopy and bench at different sites under Nangkor Gewog

Package 2

Location : Duenmang Tsachu

BOQ

Sl.No.	Description of item	Quantity	Unit	Rate(Nu.)	Rate in words	Amount(Nu.)
	Track widening					
1	Clearing jungle including uprooting of vegetation & trees of girth < 300mm and disposal within 50m lead.	253.2	sq.m			
2	Felling trees including cutting of trunks and branches, rem. of roots, stacking of serviceable materials and disposal of rubbish within 50m lead :Girth 600mm to 1200mm	3	each			
3	Earth work in excavation overareas, depth >300mm, width >1.5m, area >10 Sq.m in plan, incl. disposal of excavated earth within 50m lead & 1.5m lift and disposed soil to be neatly dressed.Ordinary soil	237.8	cu.m			
4	Earth work in excavation overareas, depth >300mm, width >1.5m, area >10 Sq.m in plan, incl. disposal of excavated earth within 50m lead & 1.5m lift and disposed soil to be neatly dressed. Ordinary rocks with or without blasting	151.2	cu.m			

5	Earth work in excavation overareas, depth >300mm, width >1.5m, area >10 Sq.m in plan, incl. disposal of excavated earth within 50m lead & 1.5m lift and disposed soil to be neatly dressed. Hardrock requiring blasting	24	cu.m			
RETAINING WALL						
6	Earth work in excavation overareas, depth >300mm, width >1.5m, area >10 Sq.m in plan, incl. disposal of excavated earth within 50m lead & 1.5m lift and disposed soil to be neatly dressed. Ordinary soil	64.5	cu.m			
7	Excavation in foundation trenches or drains, not exceeding 1.5m in width or area 10 sq.m on plan incl. dressing & ramming, disp. of surplus soil within 50m lead & 1.5m lift: Ordinary soil	11.5	cu.m			
8	Excavation in foundation trenches or drains, not exceeding 1.5m in width or area 10 sq.m on plan incl. dressing & ramming, disp. of surplus soil within 50m lead & 1.5m lift: Ordinary rock with or without blasting	2.06	cu.m			
9	Providing & laying Random Rubble Masonry with hard stone hammer-dressed in found'n & plinth: In cement mortar 1:6	131	cu.m			

10	Providing and laying hand packed stone soling or filling with stones .	4.76	cu.m			
11	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)	3.95	cu.m			
12	Filling trenches, sides of foundation, wall, etc including filter material(600m wide)with 200mm stones wherever applicable including filling with selected suitable excavated material in layers not exceeding 200m in depth(compacted), consolidating each l	26.8	cu.m			
RESTING BENCH-4 nos.						
13	Surface dressing of ground, incl. rem. of veg. and inequalities <150mm deep, disp. of rubbish within 50m lead and 1.5m lifts: Ordinary soil	48	sq.m			
14	Excavation in foundation trenches or drains, not exceeding 1.5m in width or area 10 sq.m on plan incl. dressing & ramming, disp. of surplus soil within 50m lead & 1.5m lift: Ordinary soil	4.8	cu.m			
15	Providing and laying hand packed stone soling or filling with stones .	1.20	cu.m			

16	Providing & laying in position R.C.C excluding the cost of centering, shuttering and reinforcement, all works upto plinth level. 1:1.5:3 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	1.20	cu.m			
17	Providing & laying in position R.C.C 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 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	3.24	cu.m			
18	Providing & laying in position R.C.C work in beams, lintels, bands, plain window sills, strair cases, spiral staircases upto floor five level excluding the cost of centering, shuttering and reinforcement. 1:1:2 (1cement : 1 sand : 2 graded crush rock 20 mm nominal size)	1.04	cu.m			
19	Extra for R.C Works: Rendering smooth finishing of the exposed surface with 6mm thick C.M 1:3.	18.4	sq.m			

20	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 415 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	359.6	kg			
	REST HOUSE/ RESTING CANOPY					
21	Clearing of grass including removal of rubbish within 50m of the site	12	sq.m			
22	Excavation in foundation trenches or drains, not exceeding 1.5m in width or area 10 sq.m on plan incl. dressing & ramming, disp. of surplus soil within 50m lead & 1.5m lift: Ordinary soil	13.05	cu.m			
23	Providing and laying hand packed stone soling or filling with stones .	3.56	cu.m			
24	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 20 mm nominal size) - lean concrete	2.38	cu.m			

25	Providing & laying in position R.C.C excluding the cost of centering, shuttering and reinforcement, all works upto plinth level. 1:1.5:3 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	5.51	cu.m			
26	Providing & laying in position R.C.C work in plinth and skirting courses, fillets, columns, pillars, posts, and struts upto floor level excluding the cost of centering, shuttering and reinforcement. 1:1.5:3 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	1.53	cu.m			
27	Providing & laying Random Rubble Masonry with hard stone in found'n & plinth: In cement mortar 1:5	10	cu.m			
28	Providing & laying in position R.C.C work in suspended floor, roof having slope up to 15°, landings, balconies, shelves and chajjas upto floor level excluding the cost of centering, shuttering and reinforcement. 1:1.5:3 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	5.5	cu.m			

29	Providing & laying Coursed Rubble Masonry with hard stone in fdn.& plinth: In cement mortar 1:4	3.80	cu.m			
30	Providing & laying in position R.C.C work in beams, lintels, bands, plain window sills, strair cases, spiral staircases upto floor fivel level excluding the cost of centering, shuttering and reinforcement. 1:1.5:3 (1cement : 1.5 sand : 3 graded crush rock 20 mm nominal size)	1.67	cu.m			
31	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)	1.67	cu.m			
32	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	909.59	kg			
33	Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates incl hoisting,etc (excluding steel items): Mixed Conifer	1.31	cu.m			

34	Providing , making & fixing wood work dressed in traditional cornices complete as per standard design in mixed conifer, including applying wood preservative on unexposed surfaces, excluding decorative painting (Measurement to be taken along the corniceFor single-storied structure including phana	14	m			
35	Providing & fixing pre-painted Galvanised steel Corrugated roofing sheet including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpetwashers filled with white lead for connection, excluding the cost of purlins, rafter and trusses - 24g	76.2	sq.m			
36	Providing & fixing 600mm ridges or hips in pre painted steel sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection - 24g	2	m			
37	P&l. 20mm cement plaster : C.M 1:4	12.6	sq.m			

38	Filling trenches, sides of foundation, wall, etc including filter material(600m wide)with 200mm stones wherever applicable including filling with selected suitable excavated material in layers not exceeding 200m in depth(compact), consolidating each 1	48	cu.m			
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Total Amount.....

Total Amount in words

Contractors Seal & Sign