

**MUCK
DISPOSAL
PLAN**

Rate Card

Block 57 Kapkot (BAGESHWAR)

Effective Date 01/05/2015

Chapter Name

Other Item

Rate In (Rs.)

Item Description		Rate	Unit
97511 16-1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in - charge	284.70	cu.m
97512 16-2	Random rubble stone masonry laid in mud mortar .(As per PWD Uttarakhand specifications)	1,989.50	cu.m
97513 16-3	Random Rubble Masonry laid dry in breast wall,retaining wall, parapets,scupper etc. Including supply of all materials,labour,t & p& royalty etc,required for proper completion of work.(As per PWD Uttarakhand specifications)	1,958.20	cu.m
97514 16-4	H.P stone filling in back of wallls including cost of all materials ,royalty.t&p etc. complete.	692.20	cu.m
97515 16-5	Random Rubble Stone Masonry laid in 1:6 cement and sand mortar, in breast walls, retaining walls, parapets, scuppers, etc. including supply of all material, labour, T&P and royalties etc.(As per PWD Uttarakhand specifications)	3,100.70	cu.m
97516 16-6	Construction of coolie walling including supply of all material, labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhand specifications)	1,143.10	cu.m
97517 16-7	Cement plum masonry with 40% plum & 60% 1:3:7 cement concrete including supply of all material, labour, T&P etc. required for proper completion of the work. (As per PWD Uttarakhand specifications)	5,180.80	cu.m
97518 16-8	Supply and fabrication of steel truss bridge as per detailed drawing attached including supply of all structural steel confirming IS 226 - 1969 required for proper completion of the bridge including ground erection of the bridge and one coat of approved quality anticorrosive (red oxide) paint of confirming IS 5660, all T&P, nuts and bolts, washers and also including supply and fixing of shop rivets required as per drawing, required equipment shall be arranged by the contractor at his own cost which shall be taken back by the contractor after satisfactory execution of the job, the rates shall include ground erection in the workshop and its dismantling after inspection, approval and removing defects, match marking of all parts, numbering and proper stacking in the premises of workshop before cartage to site of work. The work shall be executed in accordance to IS - 1915. The rates shall include cost of all material, its wastage, cutting, bending if required, welding, making holes, shop riveting, labour, T&P etc. required for proper completion of the work.	84,279.50	M.T.
16-9	Wire Crates As per PWD Uttarakhand Specifications		
16-9-1	Wirecrates In Nos.		
97519 16-9-1-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each (As per PWD Uttarakhand Specification)	9,439.60	Nos.
97520 16-9-1-2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 8 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)	10,845.70	Nos.

Rate Card

Block 57 Kapkot (BAGESHWAR)

Effective Date 01/05/2015

Chapter Name

CAUSEWAY AND SUBMERSIBLE BRIDGES (Based on MORD)

Rate In (Rs.)

Item Description		Rate	Unit
7-1	Construction of Cut-off Walls/Head Walls	284.70	cu.m
97166 7-1-1	Earthwork in excavation for structures as per drawing and technical specification Clause 305.	5,906.70	cu.m
97167 7-1-2	Plain cement concrete M15 grade	7,969.30	cu.m
97168 7-1-3	Brick masonry in cement mortar 1:4	5,054.00	cu.m
97169 7-1-4	Stone masonry in cement mortar 1:4	461.80	cu.m
97170 7-1-5	Providing P.C.C M20 architectural coping on top of wall	64.60	cu.m
97171 7-2	Preparation of Subgrade	1,569.90	cu.m
97172 7-3	Granular Sub-base	2,585.20	cu.m
97173 7-4	W.B.M. Base Course	7,621.50	cu.m
97174 7-5	Cement Concrete Slab		
7-6	Providing and Laying Apron	1,269.10	cu.m
97175 7-6-1	Providing and Laying Apron with Stone Boulders as per Drawings & Technical Specification Clause 1301	2,126.10	cu.m
97176 7-6-2	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	5,965.20	cu.m
97177 7-6-3	Providing and Laying of Apron with Cement Concrete Blocks as per Drawing and Technical Specification Clause 1301	71,574.00	cu.m
97178 7-7	Construction of R.C.C. guide posts of 250 mm dia. M25 grade as per drawing and technical specification Clause 1401.6		
7-8	Bedding for Causeway	5,965.80	cu.m
97179 7-8-1	Type A (concrete cradle) Bedding Clause 1402.5	1,799.10	cu.m
97180 7-8-2	Type B (first class) Bedding Clause 1402.5	8,869.90	metre
97181 7-9	Laying Reinforced Cement Concrete Pipe NP3 as per drawing and technical specification Clause 1402.6	10,247.10	metre
97182 7-10	Laying Reinforced Cement Concrete Pipe NP4 as per technical specification Clause 1402.6		

Specification:

परियोजना का नाम: माननीय मुख्यमंत्री घोषणा के अर्न्तगत शामा-रमाडी से ज्ञानधुरा होते हुए डामती तक मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव। (लम्बाई 06 किमी०)

Detail Measurement For Muck Disposal

Detail Measurement For Muck Disposal									
Sr. No.		ITEM OF WORK	No.		Length	Width	Height	Quantity	Unit
1)	97511/16-1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in - charge							
			0.33	4.00	21.00	0.60	0.80	13.31	Cum
			0.33	3.00	22.00	0.60	0.60	7.84	Cum
			0.33	2.00	19.00	0.60	0.60	4.51	Cum
			0.33	2.00	19.00	0.60	0.60	4.51	Cum
			0.33	3.00	21.50	0.60	0.60	7.66	Cum
			0.33	3.00	21.50	0.60	0.60	7.66	Cum
			0.33	2.00	21.00	0.60	0.60	4.99	Cum
			0.33	2.00	21.00	0.60	0.60	4.99	Cum
			0.33	3.00	23.00	0.60	0.60	8.20	Cum
			0.33	3.00	23.00	0.60	0.60	8.20	Cum
			0.33	2.00	24.00	0.60	0.60	5.70	Cum
			0.33	2.00	24.00	0.60	0.60	5.70	Cum
						Total		52.21	Cum
2)	97516/16-6	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhand specifications)							
			1.00	12.00	21.00	0.60	0.80	120.96	Cum
			1.00	12.00	21.00	0.60	0.80	120.96	Cum
			1.00	11.00	22.00	0.60	0.80	116.16	Cum
			1.00	9.00	19.00	0.60	0.80	82.08	Cum
			1.00	11.00	21.50	0.60	0.80	113.52	Cum
			1.00	11.00	21.50	0.60	0.80	113.52	Cum
			1.00	11.00	24.00	0.60	0.80	126.72	Cum
			1.00	11.00	24.00	0.60	0.80	126.72	Cum
			1.00	14.00	19.00	0.60	0.80	127.68	Cum
			1.00	14.00	19.00	0.60	0.80	127.68	Cum
			1.00	12.00	22.00	0.60	0.80	126.72	Cum
			1.00	12.00	22.00	0.60	0.80	126.72	Cum
			1.00	11.00	23.00	0.60	0.60	91.08	Cum
			1.00	11.00	23.00	0.60	0.60	91.08	Cum
			1.00	8.00	18.00	0.60	0.60	51.84	Cum
			1.00	8.00	18.00	0.60	0.60	51.84	Cum
						Total		956.76	Cum
3)	97176/7-6-2	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technnical Specification Clause 1301							
			1.00	9.00	3.00	1.50	1.50	60.75	Cum
			1.00	9.00	3.00	1.50	1.50	60.75	Cum
			1.00	9.00	3.00	1.20	1.50	48.60	Cum
			1.00	8.50	3.00	1.50	1.50	57.38	Cum
			1.00	8.50	3.00	1.50	1.50	57.38	Cum
			1.00	9.00	3.00	1.50	1.50	60.75	Cum
			1.00	9.00	3.00	1.50	1.50	60.75	Cum
			1.00	9.00	3.00	1.50	1.50	60.75	Cum
			1.00	9.00	3.00	1.20	1.50	48.60	Cum
			1.00	9.00	3.00	1.20	1.50	48.60	Cum
			1.00	8.50	3.00	1.50	1.50	57.38	Cum
			1.00	8.50	3.00	1.50	1.50	57.38	Cum
						Total		394.20	Cum

क्रमांक
J.E

सहायक अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)

परियोजना का नाम: माननीय मुख्यमंत्री घोषणा के अर्न्तगत शामा-रमाडी से ज्ञानधुरा होते हुए डामती तक मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव। (लम्बाई 06 किमी०)

Length: 06KM

Name of Block: Kapkot (Bageshwar)

Much Received From Hill Site Cutting		Quantity	Unit
Sr.No.	Description of Work		
1	Total Material Received From Hill side cutting {1/2x(2000x3.00 x 3.00)x40%	10800.00	cum
	40% for swell factor	4320.00	cum
	Total	15120.00	cum
Disposal and use of Material			
		4000.00	cum
1	Earth and boulder filling	2000.00	cum
2	Earth and boulder filling for Super Elevation	956.76	cum
3	Construction of coolie walling	650.00	cum
4	R.R. Stone Masonry laid in 1:5	290.00	cum
5	R.R. Stone Masonry laid in dry	421.00	cum
6	Hand Packed stone filling	2039.36	cum
7	Construction of WIRE CRATE	250.00	cum
8	Making of edge stone	340.00	cum
9	Construction of Parapet	500.00	cum
10	Providing and laying using gravel in soft reaches	235.00	cum
11	Construction of pillar	510.00	cum
12	Construction of scrupper		
13	Material to be dispose in road side along the coliee wall [{3x10x(50+60+40)/3}x2.1x1.00]	630.00	cum
14	Material used for hill side pucca k/c drain @0.167 cum/rmt, (Quantity 2163.54 rmt)	495.00	cum
	Total Used	13317.12	cum

Quantity of muck to be disposed at dumping places

=(Material Received-Material Used)

= 1802.88

= 450.72

2253.60

Cum

Add 25%

TOTAL

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J.E.

सहायक अभियन्ता
निर्माण खण्ड लो० नि० बि०
कपकोट (बागेश्वर)

BILL OF QUANTITY FOR MUCK DISPOSAL

परियोजना का नाम: माननीय मुख्यमन्त्री घोषणा के अर्न्तगत शामा-रमाडी से ज्ञानधुरा होते हुए डामती तक
मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव। (लम्बाई 06 किमी०)

Total Length: 2 KM

Name of Block: Kapkot (Bageshwar)

SI No	Description	Quantity	Unit	@	Rate	Amount
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in -charge	52.21	cum	@	284.70	14864.93
2	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work. (As per PWD Uttarakhand specifications)	956.76	cum	@	1143.10	1093672.36
3	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	394.20	cum	@	2126.10	838108.62
4	Furnishing and laying of the live sods of grass and other species on muck site or other locations shown on the drawing or as directed by the Engineer including preparation of ground, fetching of sods and watering					200000.00
5	Contingencies 2%					4000.00
	Total					2150645.90

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सहायक अभियन्ता
निर्माण खाते लो० नि० वि०
कपकोट (बागेश्वर)

अभिज्ञानी अभियन्ता
निर्माण खाते, लो० नि० वि०
कपकोट (बागेश्वर)

Summary

परियोजना का नाम: माननीय मुख्यमंत्री घोषणा के अर्न्तगत शामा-रमाडी से ज्ञानधुरा होते हुए डामती तक मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव। (लम्बाई 06 किमी०)

Name of Block:Kapkot (Bageshwar)									Total Length: 06KM
Carrying Capacity of Wire Crates									
S.NO.	Chainage of Wire Crates	No.			Size of catchment area of wire crates				
					L	B	H	Quantity	Unit
1.00	H.M.-2-4	1.00	x	1.00	8.00	8.00	4.90	313.60	cum
2.00	H.M.-6-8	1.00	x	1.00	8.00	8.00	4.90	313.60	cum
3.00	H.M.-0-2	1.00	x	1.00	8.00	8.00	4.90	313.60	cum
4.00	H.M.-2-4	1.00	x	1.00	8.00	8.00	4.90	313.60	cum
5.00	H.M.-4-6	1.00	x	1.00	8.00	8.00	4.91	471.36	cum
6.00	H.M.-6-8	1.00	x	2.00	8.00	6.00		2039.36	cum
					Total				

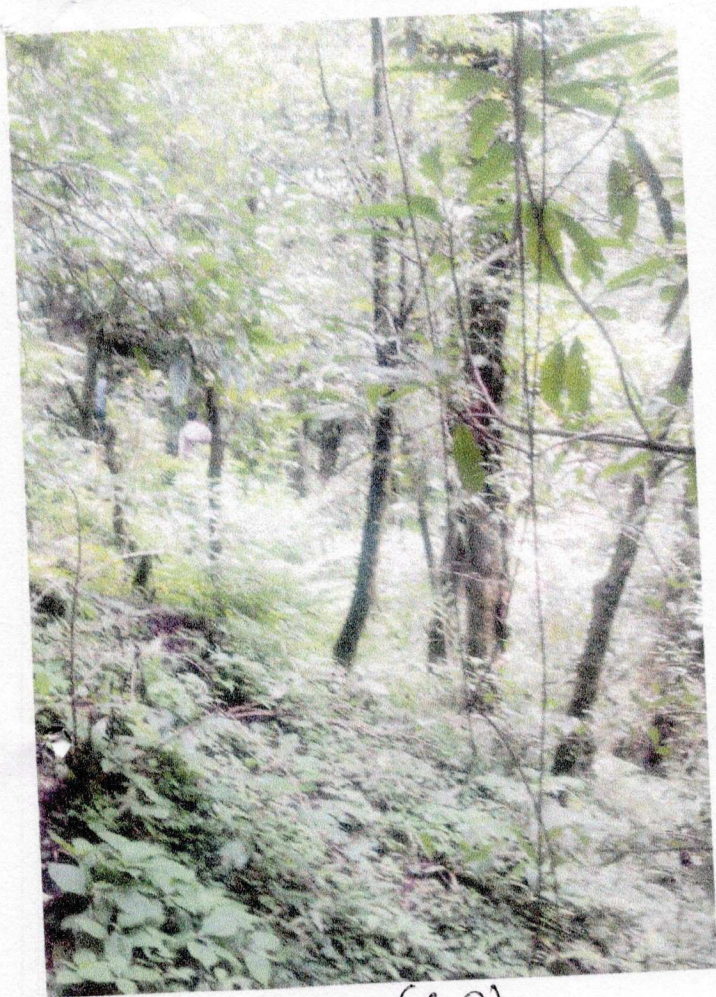
Quantity of material disposal to dumping= 2253.60
 Carryinng capacity of wire crates 2039.36
 Balance **214.24 Cum**
65.32 Sqm

Km	Catchment Area	No.	Length	Width	Area	Unit
1		1.00	4.00	4.13	16.52	Sqm
2		1.00	4.00	4.20	16.80	Sqm
3		1.00	4.00	4.00	16.00	Sqm
3		1.00	4.00	4.00	16.00	Sqm
		Total			65.32	Sqm
		In Hectare			0.0065	Hec

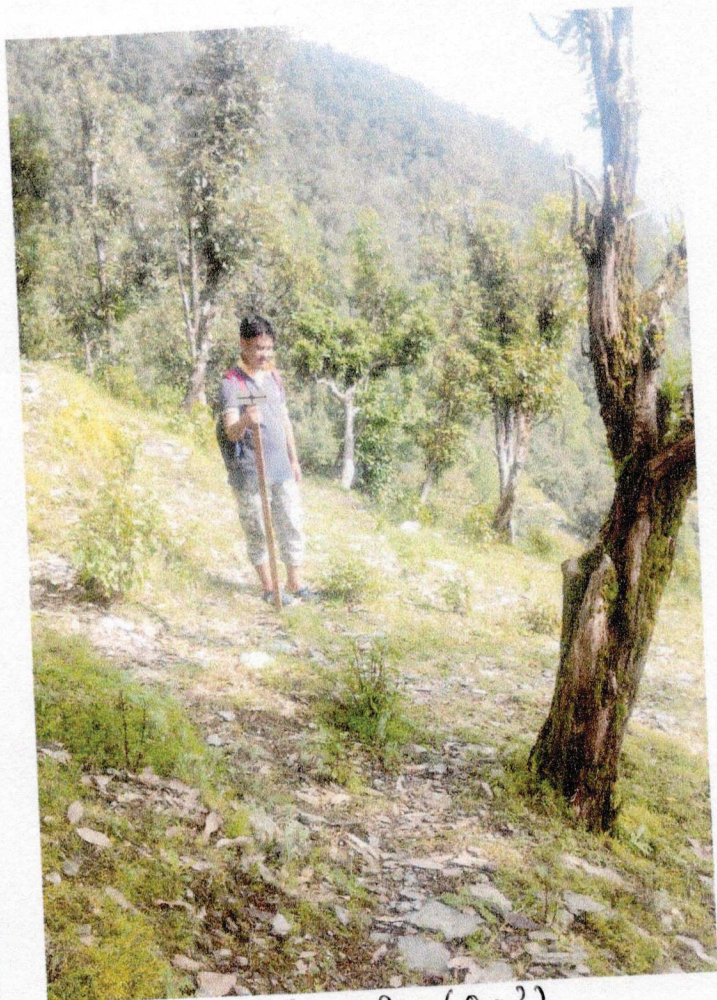
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सहायक अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)

अभिजासी अभियन्ता
निर्माण खण्ड, लो० नि० वि०
कपकोट (बागेश्वर)



Km 05 (6-8)



Km 02 (0-2)



Km 06 (2-4)

Km 06
7.12

③



Km 03 (8-10)



Km 01 Hm (4-6)



Km 04 (0-2)

Km 01
J. 2

सहायक अभियन्ता
निर्माण खण्ड लो० वि०
कपकोट (बागेश्वर)