

A. 2.19.

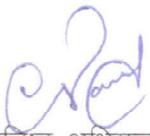
MUCK DISPOSAL PLAN

A 219-2

परियोजना का नाम :- राज्य योजना के अन्तर्गत जनपद बागेश्वर के कपकोट में असौं से बसकूना तक मोटर मार्ग के निर्माण कार्य (4 कि०मी०) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

प्रमाण पत्र

मक डिस्पोजल हेतु वनीकरण एवं अभियंत्रिकी कार्यों में जो भी व्यय होगा उसे लोक निर्माण विभाग की मांग के अनुसार उपलब्ध करा दिया जायेगा।



कनिष्ठ अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट



सहायक अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट



अधिसूची अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट

प्रतिवेदन

A-248-3

परियोजना का नाम :- राज्य योजना के अन्तर्गत जनपद बागेश्वर के कपकोट में असौं से बसकूना तक मोटर मार्ग के निर्माण कार्य (4 कि०मी०) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

प्रस्तावित प्राक्कलन असौं से बसकूना मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया हैं। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु दिनांक 11-12-2014 को संयुक्त निरीक्षण किया गया, निरीक्षण के समय मार्ग में सिविल भूमि में चैनेज संख्या कि०मी० 1 0/20, कि०मी० 2 0/40 एवं कि०मी० 2 1/28 पर स्थलों का चयन किया गया हैं। उक्त स्थल मार्ग के किनारे पर स्थित हैं। मलवे के निस्तारण हेत खड्ड साईड में मार्ग के समानान्तर वायर क्रेट लगाये जाने का प्रावधान है तथा साइड में कुली वाल बनाये जाने का प्रावधान किया गया है।

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रु० 1530521.06 का प्राक्कलन गठित किया गया हैं। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जा


सहायक अभियन्ता

निर्माण खण्ड, लो०नि०वि०

कपकोट


अधीक्षक अभियन्ता

निर्माण खण्ड, लो०नि०वि०

कपकोट

48
A 2.19.3

परियोजना से उत्पादित मलवे के निस्तारण की समानचित्र योजना

परियोजना का नाम:- जनपद बागेश्वर में राज्य योजना के अन्तर्गत असौं से बसकूना मोटर मार्ग के निर्माण हेतु उत्तराखण्ड लोक निर्माण विभाग को हस्तान्तरण प्रस्ताव।

प्रमाणित किया जाता है कि जनपद बागेश्वर में राज्य योजना के अन्तर्गत असौं से बसकूना तक मोटर मार्ग के निर्माण हेतु उत्पादित होने वाले मलवे का निस्तारण टास्क फोर्स द्वारा की गयी संस्तुतियों (प्रस्ताव के पृष्ठों में संलग्न) के अनुसार किया जायेगा एवं तत्पश्चात अवशेष मलवे को मार्ग के किनारे उपलब्ध अतिरिक्त भूमि में (Passing places) एकत्रित किया जायेगा। समानचित्र संलग्न है।

सहायक अभियन्ता
निर्वाहोपनिधि, कपकोट

अधिशिखी अभियन्ता
नि०ख०लो०नि०वि०, कपकोट

सहमत।

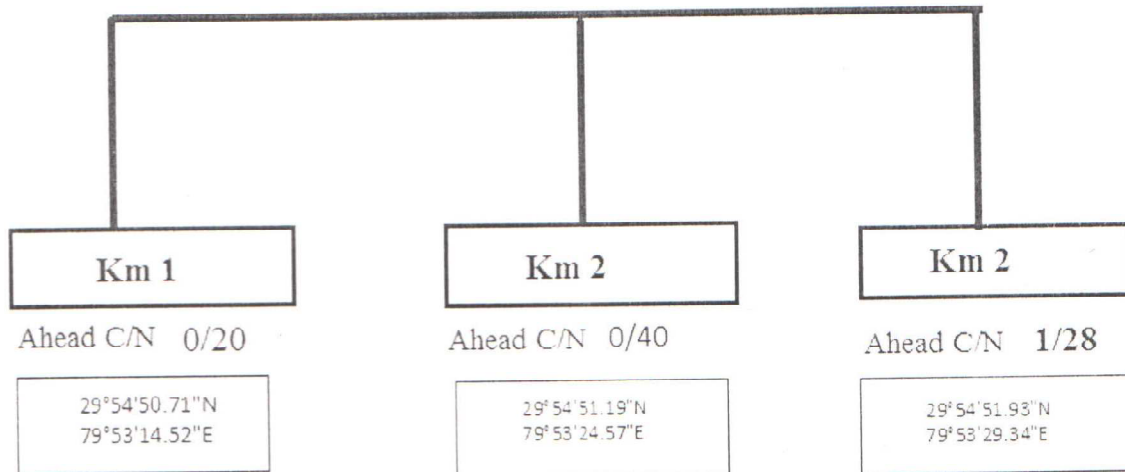
प्रमाणित वनाधिकारी
बागेश्वर वन प्रभाग
बागेश्वर

प्रपत्र—

परियोजना का नाम :— राज्य योजना के अन्तर्गत जनपद बागेश्वर में असौं से बसकूना तक 4.00 किमी० मोटर मार्ग के निर्माण हेतु वनभूमि प्रस्ताव उत्तराखण्ड लोक निर्माण विभाग को हस्तान्तरण प्रस्ताव।

मलवे निस्तारण हेतु लाइन डायग्राम

निस्तारित बिन्दु



[Signature]
J.E.

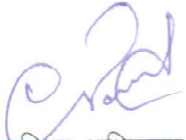
[Signature]

[Signature]

परियोजना का नाम :- राज्य योजना के अन्तर्गत जनपद बागेश्वर के कपकोट में असौं से बसकूना तक मोटर मार्ग के निर्माण कार्य (4 कि०मी०) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

मग-डम्पिंग प्लान/प्रमाण पत्र

प्रमाणित किया जाता है कि राज्य योजना के अन्तर्गत जनपद बागेश्वर के कपकोट में असौं से बसकूना तक मोटर मार्ग के निर्माण कार्य में उत्पादित मलवे को उचित प्रक्रियानुसार सुरक्षित स्थान पर डम्पिंग किया जायेगा। मलवा कहीं भी वृक्ष आच्छादित क्षेत्र एवं जल स्रोतों में नहीं डाला जायेगा।



कनिष्ठ अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट

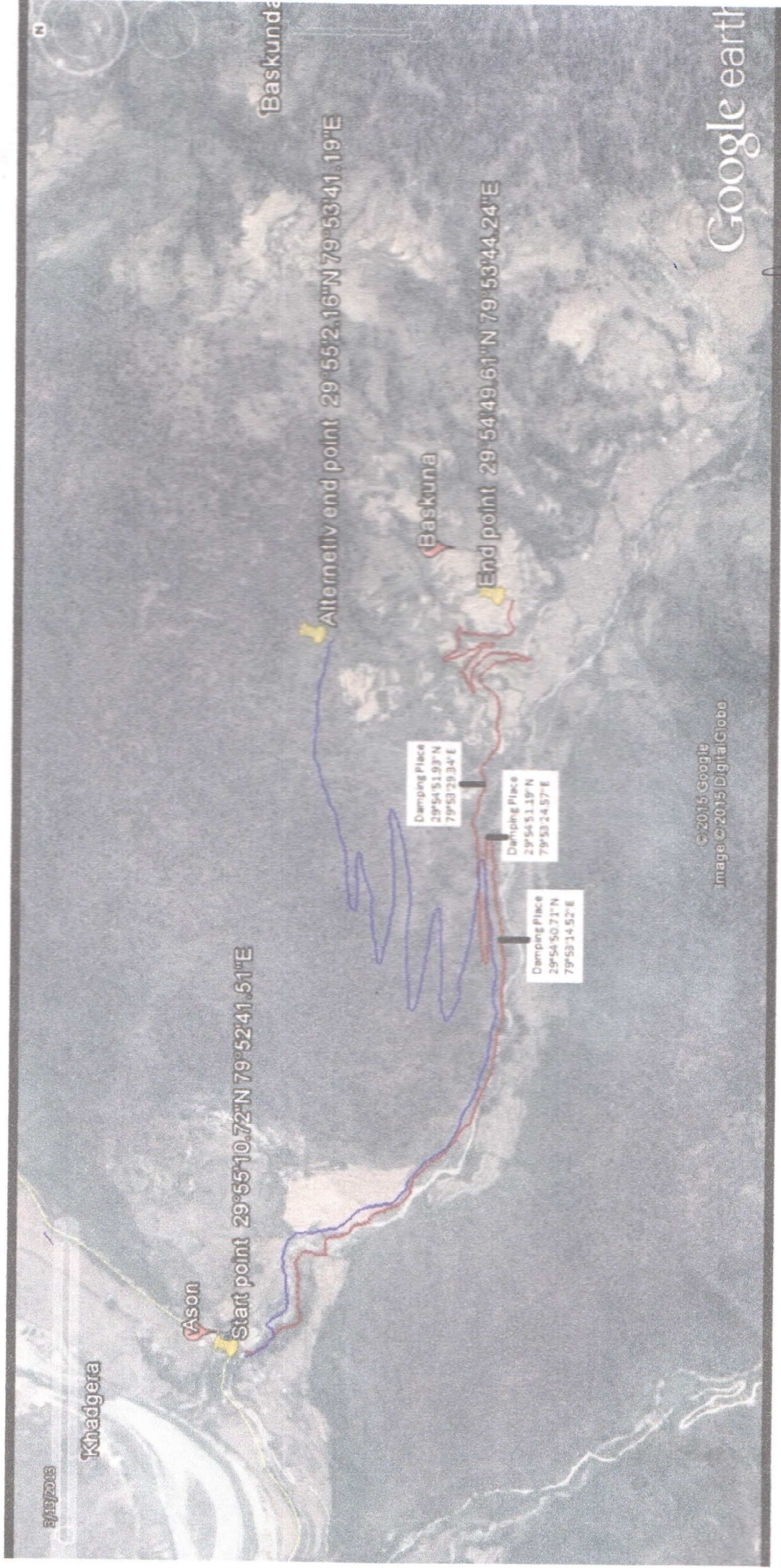


सहायक अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट



अधिसूची अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट

जनपद बागेश्वर में राज्य योजना के अन्तर्गत असौ से बसकूना मोटर मार्ग के निर्माण लम्बाई 4.00 किमी।



Proposed Damping Place

अभियन्ता
सहायक सड़क लो० नि० विभाग
निर्माण खण्ड लो० नि० विभाग
कपकोट (बागेश्वर)
J.C.

A-219-2

A-219-8

MORD

Rate Card

Block 51 Berinag (PITHORA/GARH)

Effective Date 16/05/2014

		Rate In (Rs.)	
	Item Description	Rate	Unit
	Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604		
✓ 77635 8-4-1	Earthwork in excavation for structures	244.50	cu.m
77637 8-4-2	Plain cement concrete M10 grade	5,521.40	cu.m
77638 8-4-3	Stone masonry in cement mortar 1:5	3,115.00	cu.m
77639 8-4-4	Pointing with cement mortar 1:3	66.10	sq.m
77640 8-4-5	Providing P.C.C. M20 architectural coping on top of retaining wall/breast wall	428.20	metre
77641 8-4-6	Filter material behind retaining wall / breast wall as per Specification 1204.3.8 in a width of 600 m	3,177.50	cu.m
77642 8-4-7	Back filling behind retaining wall/breast wall	599.50	cu.m
8-5	Construction of Hill Side Drain		
	Construction of hill side drain in accordance with the requirement of specifications true to lines and grades. Dimensions and other particulars as per drawing and Technical Specification/Clause 1606.1		
77643 8-5-1	Earthwork in excavation for structures as per drawing and technical specification	244.50	cu.m
77644 8-5-2	Plain cement concrete M10 grade	5,533.10	cu.m
77645 8-5-3	Stone masonry in cement mortar 1:5	3,115.00	cu.m
77646 8-5-4	Plain cement concrete M15 grade	5,487.50	cu.m
77647 8-5-5	Cement plaster 15 mm thick 1:4 on stone masonry	173.40	sq.m
77648 8-5-6	Providing P.C.C. M20 architectural coping on top of wall	428.20	metre
8-6	Construction of Catch Water / Intercepting Drain		
	Construction of catch water/intercepting drain in random rubble masonry in 1:5 cement mortar true to the specified lines grades levels and dimensions as per the requirement of the specifications Clause 1606.2		
77649 8-6-1	Earthwork in excavation for structures as per drawing and technical specification	244.50	cu.m
77650 8-6-2	Plain cement concrete M10 grade	5,533.10	cu.m
77651 8-6-3	Stone masonry in cement mortar 1:5	3,115.00	cu.m
77652 8-6-4	Plain cement concrete M15 grade	5,487.50	cu.m
77653 8-6-5	Cement plaster 15 mm thick 1:4 on stone masonry	173.40	sq.m
77654 8-6-6	Providing P.C.C. M20 architectural coping on top of wall	428.20	metre
8-7	Construction of Scupper		

MORD - 2014-2015 - 16/05/2014 - 8

Page 31 of 58

28/05/14 9:56

[Signature]
J.E.

[Signature]
AE

[Signature]

A-219-9

MORD

Rate Card	Block 51 Barinag (PITHORAGARH)	Effective Date	16/05/2014
Chapter Name	PROTECTION WORKS		
Item Description		Rate In (Rs.)	
		Rate	Unit
77862 14-1	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg laid dry complete as per drawing and technical specifications Clause 1301	1,212.90	cu.m
77863 14-2	Providing and laying of boulder apron laid in wire netting with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	2,018.50	cu.m
77864 14-3	Providing and laying of apron with cement concrete blocks of size as per Table 1300.1 cast in-situ and made with nominal mix of M-15 grade cement concrete as per drawing and technical specifications Clause 1301	5,575.10	cu.m
14-4	Single bamboo palasiding / walling of whole 2nd class bamboo (Jati or Belna) 75mm dia and closely packed & driven including fitting fixing with half bamboo karnis horizontally in three rows with cane or tying with wire complete and struts 1.5 m apart longitudinally and providing brush wood as per drawing and technical specifications Clause 1302.5		
77865 14-4-A	Driven at least 900 mm below ground and 1200 mm above ground	621.00	metre
77866 14-4-B	Driven at least 900 mm below ground and 900 mm above ground on average	481.70	metre
14-5	Providing and laying pitching on slopes laid over prepared filter media as per drawing and technical specifications Clause 1302		
77867 14-5-1	Stone/Boulder	1,212.90	cu.m
77868 14-5-2	Cement concrete blocks of size as per Table 1300.2 cast in cement concrete of grade M15	5,575.10	cu.m
77869 14-5-3	Brick pitching set in cement mortar 1:4	7,388.50	cu.m
77870 14-6	Providing and laying filter material underneath pitching in slopes complete as per drawing and technical specifications Clause 1302	1,889.60	cu.m
14-7	Providing and laying flooring laid over cement concrete bedding complete as per drawing and technical specification Clause 1303		
77871 14-7-1	Rubble stone laid in cement mortar 1:3	3,867.80	cu.m
77872 14-7-2	Cement concrete blocks grade M15	6,520.50	cu.m
77873 14-7-3	Brick on edge laid in cement mortar (1:3)	7,124.80	cu.m
77874 14-8	Providing and laying of dry rubble flooring complete as per drawings and technical specifications Clause 1304	1,929.30	sq.m
77875 14-9	Providing and laying curtain walls complete as per drawing and technical specification Clause 1304	17,309.50	sq.m
77876 14-10	Construction of flexible apron 1 m thick comprising of loose stone boulders	1,246.30	cu.m
MORD-2014-2015-16/15/2014-14		Page 53 of 58	28/05/14 9:55

J.E.

AE

A.S.

A-29-10

Road & Bridge

Rate Card Block 51 Bering (PITHORAGARH)

Effective Date 16/05/2014

Chapter Name Other Item

		Rate In (Rs.)	
Item Description	Rate	Unit	
75476 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	244.80	cu.m	
75477 16-2 Random rubble stone masonry laid in mud mortar (As per PWD Uttarakhand specifications)	1,754.40	cu.m	
75478 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)	1,563.00	cu.m	
75479 16-4 H.P stone filling in back of walls including cost of all materials, royalty, T & P etc. complete.	600.20	cu.m	
75480 16-5 Random Rubble Stone Masonry laid in 1:6 cement and sand mortar in breast walls, retaining walls, parapets, scupper etc. including supply of all material, labour, T & P and royalties etc. (As per PWD Uttarakhand specifications)	2,826.30	cu.m	
75481 16-6 Random Rubble stone masonry in Coolie walling including supply of all material, labour, T & P etc. required for proper completion of the work. (As per PWD Uttarakhand specifications)	1,183.00	cu.m	
75482 16-7 Cement plumb masonry with 40% plumb & 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)	4,706.80	cu.m	
75483 16-8 Supply and fabrication of steel truss bridge as per detailed drawing attached including supply of all structural steel conforming 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 conforming 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.	81,675.90	M.T.	
16-9 Wire Crates As per PWD Uttarakhand Specifications			
16-9-1 Wirecrates In Nos			
75484 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)	8,776.90	Nos.	
75485 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)	10,183.00	Nos.	

J.E.

AE

J

A-2-19-12

परियोजना का नाम: जनपद बागेश्वर के कपकोट में राज्य योजना के अन्तर्गत प्रस्तावित असौ से बसकूना तक मोटर मार्ग का नव निर्माण (कि०मी० ०.००० से कि०मी० ४.०००) हेतु वनभूमि हस्तान्तरण प्रस्ताव ।			
Name of Block: Kapkot (Bageshwar)		Length: 4KM	
Muck Received From Hill Site Cutting			
Sr.No.		Quantity	Unit
1	Total Material Received From Hill side cutting { 1/2x4000x9.00 } x (0.90+3.00)/2 }	35100.00	cum
Disposal and use of Material			
1	Earth and boulder filling	1500.00	cum
2	Earth and boulder filling for super elevation	900.00	cum
3	Construction of coolie walling	2793.25	cum
4	R.R. Stone Masonry laid in 1:5	2230.00	cum
5	R.R. Stone Masonry laid in dry	2500.00	cum
6	Hand Packed stone filling	1800.00	cum
7	Construction of WIRE CRATE	900.00	cum
8	Making of edge stone	210.00	cum
9	Construction of Parapet	1659.30	cum
10	Providing and laying using gravel in soft reaches	670.00	cum
11	Construction of pillar	230.00	cum
12	Construction of scrupper	2500.00	cum
13	Material to be dispose in road side along the colice wall [3x10x(80+90+86)/3 } x 2.1x1.00]	5376.00	cum
14	Material used for hill side pucca k/c drain @ 0.167 cum/rmt, (Quantity 2163.54 rmt)	1445.24	cum
Total Used		24713.79	cum

Quantity of muck to be disposed at dumping places = (Material Received-Material Used)

10386.21

Add 25%

TOTAL

Say

12982.76

12982.80

C. J. C.

C. J. C.

H. H.

परियोजना का नाम: जनपद बागेश्वर के कपकोट में राज्य योजना के अन्तर्गत प्रस्तावित असौ से बसकूना तक मोटर मार्ग का नव निर्माण (कि०मी० 0.000 से कि०मी० 4.000) हेतु वनभूमि हस्तान्तरण प्रस्ताव ।

Detail Measurement For Muck Disposal

Sr. No.	ITEM OF WORK	No.	Length	Width	Height	Quantity	Unit
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	1.00	50.00	1.50	0.50	37.50	Cum
		1.00	35.00	1.50	0.50	26.25	Cum
		1.00	24.00	1.50	0.50	18.00	Cum
				Total		81.75	Cum
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)	1.00	85.00	0.50	0.60	255.00	Cum
		1.00	48.00	0.50	0.60	144.00	Cum
		1.00	20.00	0.50	0.60	60.00	Cum
				Total		459.00	Cum
3)	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	1.00	3.00	1.50	1.50	101.25	Cum
		1.00	3.00	1.20	1.50	64.80	Cum
		1.00	3.00	1.50	1.50	67.50	Cum
		1.00	3.00	1.20	1.50	43.20	Cum
		1.00	3.00	1.50	1.50	27.00	Cum
		1.00	3.00	1.20	1.50	21.60	Cum
				Total		325.35	Cum

Dr. J. C.

C. J. C.

Dr. J. C.

A-2-19-11

BILL OF QUANTITY FOR MUCK DISPOSAL

परियोजना का नाम: जनपद बागेश्वर के कपकोट में राज्य योजना के अन्तर्गत प्रस्तावित असौ से बसकूना तक मोटर मार्ग का नव निर्माण (कि०मी० 0.000 से कि०मी० 4.000) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

Name of Block: Kapkot (Bageshwar)					
Total Length: 5KM					
Sl No	Description	Quantity	Unit	@	Rate
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal osurplus material as per direction of engineer - in - charge	81.75	cum	@	246.30
2	Random Rubble stone masonry in Coolie walling including supply of all material, cum labour, T&P etc. required for proper completion of the work. (As per PWD Uttarakhnad specifications)	459.00	cum	@	1188.00
3	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	325.35	cum	@	2025.80
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				
5	Contingencies 2%				
	Total				
					1530521.06

JE

AE

AE

Summary

परियोजना का नाम: जनपद बागेश्वर के कपकोट में राज्य योजना के अन्तर्गत प्रस्तावित असौ से बसकूना तक मोटर मार्ग का नव निर्माण (कि०मी० ०.००० से कि०मी० ४.०००) हेतु वनभूमि हस्तान्तरण प्रस्ताव ।

Name of Block:Kapkot (Bageshwar)		Carrying Capacity of Wire Crates					Total Length: 4 KM			
S.NO.	Chainage of Wire Crates	No.					Size of catchment area of wire crates			
							L	B	H	Quantity Unit
1.00	KM 1, H.M.O/20	1.00	x	1.00	50.00	25.00	2.40	3000.00	cum	
2.00	KM 2, O/40	1.00	x	1.00	50.00	25.00	3.00	3750.00	cum	
3.00	KM 2, 1/28	1.00	x	1.00	35.00	20.00	2.60	1820.00	cum	
		1.00	x	1.00	35.00	20.00	4.00	2800.00	cum	
		1.00	x	1.00	24.00	12.00	2.60	748.80	cum	
		1.00	x	1.00	24.00	12.00	3.00	864.00	cum	
					Total			12982.80	cum	

Quantity of material disposal to dumping 12982.80
 Carrying capacity of wire crates 12982.80
 Balance 0.00

S.NO.	Catchment Area	No.	Length	Width	Area	Unit
1	KM 1, O/20	1.00	50.00	25.00	1250.00	Sqm
2	KM 2, O/40	1.00	35.00	20.00	700.00	Sqm
3	KM 2, 1/28	1.00	24.00	12.00	288.00	Sqm
	Total				2238.00	Sqm
	In Hectare				0.2238	Hec

[Handwritten signature]

[Handwritten signature]
J.C.

[Handwritten signature]
O.K.

A 2-19-15

Balance Muck Disposal Sites with Land owner Detail

S.No.	Chainage	Name of Land owner & village	Land in Hec.	Land in Sqm	Land area being used for dumping yard(Sqm)	Longitude	Latitude
1.	कि०मी० 1 0/20	Bhim Singh Devidatt	0.107	1070.00	1070.00	<u>29°54'50.71"N</u>	<u>79°53'14.52"E</u>
2.	कि०मी० 2 0/40	Mohan Singh Bhim Singh Bhawani Datt	0.049	490.00	490.00	<u>29°54'51.19"N</u>	<u>79°53'24.57"E</u>
3.	कि०मी० 2 1/28	Bhim Singh	0.116	1160.00	1160.00	<u>29°54'51.93"N</u>	<u>79°53'29.34"E</u>


J.E.


AE



4-2-19-19

Summary of Debris Disposal

परियोजना का नाम :- राज्य योजना के अन्तर्गत जनपद बागेश्वर के कपकोट में असौ से बसकूना तक मोटर मार्ग के निर्माण कार्य (4 कि०मी०) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

S.NO.	Total Debris Cub Mt.	Material disposal by cartage	Resued material for road construction	Total disposal in dumping zone	Balance Debris
1	35100	10386.21	24713.79	12982.80	Nil



J.E.


सहायक अभियन्ता

निर्माण खण्ड, लो०नि०वि०

कपकोट



अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट