

### परियोजना से उत्पादित मलवे के निस्तारण की समानचित्र योजना

परियोजना का नाम:- जिला योजना के अन्तर्गत खडलेख बनार डाना टिकटा मोटर मार्ग के निर्माण हेतु उत्तराखण्ड लोक निर्माण विभाग को वनभूमि हस्तान्तरण प्रस्ताव।

प्रमाणित किया जाता है कि जिला योजना के अन्तर्गत खडलेख बनार डाना टिकटा मोटर मार्ग के निर्माण में उत्पादित होने वाले मलवे का निस्तारण टास्क फोर्स द्वारा की गयी संस्तुतियों (प्रस्ताव के पृ.सं. में संलग्न) के अनुसार किया जायेगा एवं तत्पश्चात अवशेष मलवे को मार्ग के किनारे उपलब्ध अतिरिक्त भूमि में (Passing places) एकत्रित किया जायेगा। मानचित्र संलग्न है।

सहायक अभियन्ता  
नि०ख०लो०नि०वि०,कपकोट

अधिशारी अभियन्ता  
नि०ख०लो०नि०वि०,कपकोट

*Gurmal*  
सहायक अभियन्ता  
परमधर वन क्षेत्र  
नरोत्तमपुर वन प्रभाग

*[Signature]*  
प्रमाणित प्रमाणित अधिकारी  
वागेश्वर  
*[Signature]*  
प्रमाणित प्रमाणित अधिकारी  
वागेश्वर वन प्रभाग  
वागेश्वर

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सहायक अभियन्ता  
निर्माण खड  
नि०ख०लो०नि०वि० कपकोट

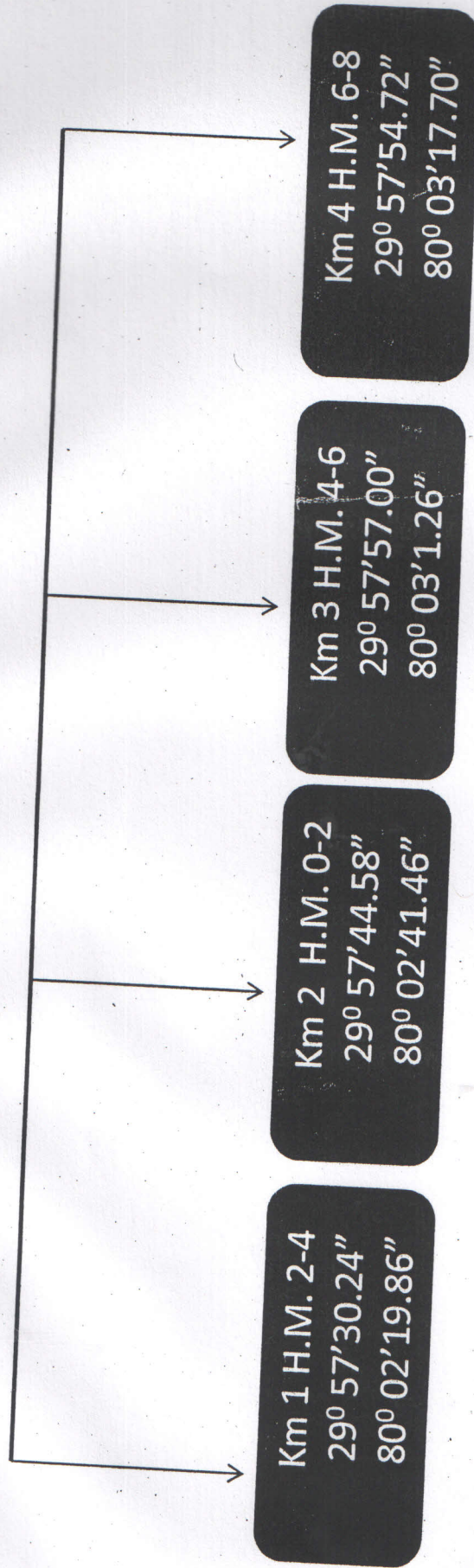
## प्रपत्र-2.19.1

परियोजना का नाम :- जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा तक मोटर मार्ग का नव निर्माण (कि०मी० 0.000 से कि०मी० 4.000) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

मलवे निस्तारण हेतु प्रस्तावित योजना

परियोजना का नाम:- जनपद बागेश्वर में जिला योजना के अन्तर्गत खडलेख-डाना  
टिकटा मोटर मार्ग का निर्माण (4.00 किमी०)

मलवे निस्तारण हेतु लाइन डायग्राम  
निस्तारित बिन्दु



सहायक अभियन्ता  
निर्माण खड  
ब्रह्मनिविद कपकोट

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सहायक अभियन्ता  
निर्माण खड  
ब्रह्मनिविद कपकोट

अभियन्ता  
निर्माण खड  
ब्रह्मनिविद कपकोट

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
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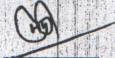
प्रपत्र-2.19.4

परियोजना का नाम :- जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा तक मोटर मार्ग का नव निर्माण (कि०मी० 0.000 से कि०मी० 4.000) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

### मक डम्पिंग प्लान / प्रमाण - पत्र

प्रमाणित किया जाता है कि जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा तक 4.00 किमी० मोटर मार्ग के नव निर्माण में उत्पादित मलवे को उचित प्रक्रियानुसार स्थान पर डम्पिंग किया जायेगा। मलवा कहीं भी वृक्ष आच्छादित क्षेत्र एवं जल स्रोतों में नहीं डाला जायेगा।

  
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निर्माण खण्ड, लो०नि०वि०  
कपकोट

  
सहायक अभियन्ता  
निर्माण खण्ड, लो०नि०वि०  
कपकोट

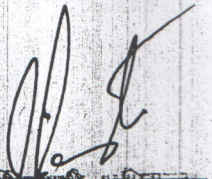

  
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निर्माण खण्ड, लो०नि०वि०  
कपकोट

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निर्माण खण्ड  
लो०नि०वि० कपकोट

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परियोजना का नाम: खडलेख से डाना-टिकटा तक मोटर मार्ग ( वनभूमि हस्तान्तरण हेतु )

Name of Block: Kapkot (Bageshwar)

Length: 04KM

Muck Received From Hill Site Cutting

No.	Description of Work	Quantity	Unit
1	Total Material Received From Hill side cutting $\{1/2 \times 4000 \times 9.00 \times (0.90+3.00)/2\}$	35100.00	cum
Disposal and use of Material			
1	Earth and boulder filling	610.00	cum
2	Earth and boulder filling for Super Elevation	357.00	cum
3	Construction of coolie walling	997.68	cum
4	R.R. Stone Masonry laid in 1:5	975.00	cum
5	R.R. Stone Masonry laid in dry	2810.00	cum
6	Hand Packed stone filling	1390.91	cum
7	Construction of WIRE CRATE	1741.00	cum
8	Making of edge stone	122.80	cum
9	Construction of Parapet	540.50	cum
10	Providing and laying using gravel in soft reaches	2765.92	cum
11	Construction of pillar	278.00	cum
12	Construction of scupper	1172.66	cum
13	Material to be dispose in road side along the collee wall $\{3 \times 10 \times (80+90+86)/3\} \times 2.1 \times 1.00\}$	7432.00	cum
14	Material used for hill side pucca k/c drain @0.167 cum/rmt, (Quantity 2163.54 rmt)	361.31	cum
Total Used		21554.78	cum

Quantity of muck to be disposed at dumping places

= (Material Received - Material Used)

= 13545.22

Add 25%

3386.30

TOTAL 14337.42+3584.35

= 16931.52

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कपकोट

आध्यात्मिक अभियन्ता  
नि० ख० लो० नि० वि० कपकोट  
बागेश्वर

Photo of the work  
तहायक अभियन्ता  
निर्माण खंड  
कपकोट

परियोजना का नाम: जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा 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) 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						
		0.33	22.00	22.00	0.60	0.80	76.67 Cum
		0.33	32.00	18.00	0.60	0.60	68.43 Cum
		0.33	10.00	23.00	0.60	0.60	27.32 Cum
		0.33	54.00	18.00	0.60	0.60	115.47 Cum
		0.33	29.00	12.00	0.60	0.60	41.34 Cum
					Total		329.23 Cum
2) 75481/16-6	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	22.00	22.00	0.60	0.80	232.32 Cum
		1.00	32.00	18.00	0.60	0.60	207.36 Cum
		1.00	10.00	23.00	0.60	0.60	82.80 Cum
		1.00	54.00	18.00	0.60	0.60	349.92 Cum
		1.00	29.00	12.00	0.60	0.60	125.28 Cum
					Total		997.68 Cum
3) 75141/7-6-2	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	1.20	1.50	48.60 Cum
		1.00	7.00	3.00	1.50	1.50	47.25 Cum
		1.00	7.00	3.00	1.20	1.50	37.80 Cum
		1.00	12.00	3.00	1.50	1.50	81.00 Cum
		1.00	12.00	3.00	1.20	1.50	64.80 Cum
					Total		340.20 Cum

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बागेश्वर  
सहायक अभियन्ता  
निर्माण खड  
कपकोट

Rate Card		Block 57 Kapkot (BAGESHWAR)		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	246.30	cu.m	
75477	16-2	Random rubble stone masonry laid in mud mortar .(As per PWD Uttarakhand specifications)	1,762.80	cu.m	
75478	16-3	Random Rubble Masonary laid dry in breast wall,retaining wall, parapets,scupper etc. Including supply of all materials,labour,t & p& royalty etc,required for proper complition of work.(As-per PWD Uttarakhand specifications)	1,569.20	cu.m	
75479	16-4	H.P stone filling in back of wallls including cost of all materials .royalty.t&p etc. completè.	602.10	cu.m	
75480	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 royaltiies etc.(As per PWD Uttarakhand specifications)	2,844.20	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)	1,188.00	cu.m	
75482	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)	4,736.90	cu.m	
75483	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 anticirrosive (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 dismentling 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.	81,874.30	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)	8,921.60	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)	10,327.70	Nos.	

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कपकोटIntro  
वा.स.सहायक अभियन्ता  
निर्माण खंड  
कपकोट

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Rate Card		Block 57 Kapkot (BAGESHWAR)	Effective Date 16/05/2014	
Chapter Name		PROTECTION WORKS (Based on MORD)		
		Rate In (Rs.)		
		Item Description	Rate	Unit
75423	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	1,216.80	cu.m
75424	14-2	Providing and laying of boulder apron laid in wire crates 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	2,025.80	cu.m
75425	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	5,742.60	cu.m
	14-4	Single bamboo palasiding / walling of whole 2nd class bamboo (Jati or Bethua) 75mm dia and closely packed & driven including fitting fixing with half bamboo kamis 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		
75426	14-4-A	Driven at least 900 mm below ground and 1200 mm above ground	623.60	metre
75427	14-4-B	Driven at least 900 mm below ground and 900 mm above ground on average	483.50	metre
	14-5	Providing and laying pitching on slopes laid over prepared filter media as per drawing and technical specifications Clause 1302		
75428	14-5-1	Stone/Boulder	1,216.80	cu.m
75429	14-5-2	Cement concrete blocks of size as per Table 1300.2 cast in cement concrete of grade M 15	5,742.60	cu.m
75430	14-5-3	Brick pitching set in cement mortar 1:4	7,752.00	cu.m
75431	14-6	Providing and laying filter material underneath pitching in slopes complete as per drawing and technical specifications Clause 1302	1,994.20	cu.m
	14-7	Providing and laying flooring laid over cement concrete bedding complete as per drawing and technical specification Clause 1303		
75432	14-7-1	Rubble stone laid in cement mortar 1:3	4,140.40	cu.m
75433	14-7-2	Cement concrete blocks grade M 15	5,686.30	cu.m
75434	14-7-3	Brick on edge laid in cement mortar (1:3)	7,455.50	cu.m
75435	14-8	Providing and laying of dry rubble flooring complete as per drawings and technical specifications Clause 1303.3	1,936.80	cu.m
75436	14-9	Providing and laying curtain walls complete as per drawing and technical specification Clause 1304	18,110.10	cu.m
75437	14-10	Construction of flexible apron 1 m thick comprising of loose stone boulders	1,251.80	cu.m
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सहायक अभियन्ता  
निर्माण खंड  
कपकोट

Photo copy  
सहायक अभियन्ता  
निर्माण खंड  
कपकोट

# BILL OF QUANTITY FOR MUCK DISPOSAL

परियोजना का नाम: जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा 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

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	329.23	cum	@	246.30	81090.43
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)	997.68	cum	@	1188.00	1185243.84
3	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technnical Specification	340.20	cum	@	2025.80	689177.16
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					300000.00
5	Contingencies 2%					6000.00
	Total					2261511.43

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अधिसूची अभियन्ता  
नि० ख० नं० १०००/२०००, कपकोट

photo attached

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सहायक अभियन्ता  
निर्माण खड  
मो०नि०(वि०) कपकोट

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## Summary

परियोजना का नाम: जनपद बागेश्वर के कपकोट में जिला योजना के अन्तर्गत प्रस्तावित खडलेख से डाना-टिकटा तक मोटर मार्ग का नव निर्माण (कि०मी० 0.000 से कि०मी० 4.000) हेतु वनभूमि हस्तान्तरण प्रस्ताव।

Name of Block:Kapkot (Bageshwar)

Total Length: 04KM

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		1.00	x	1.00	28.00	12.00	2.40	806.40	cum
		1.00	x	1.00	27.00	12.00	7.65	2478.60	cum
2.00		1.00	x	1.00	29.00	10.00	4.30	1247.00	cum
		1.00	x	1.00	34.00	10.00	9.10	3094.00	cum
3.00		1.00	x	1.00	36.00	12.00	2.60	1123.20	cum
		1.00	x	1.00	32.00	10.00	9.10	2912.00	cum
4.00		1.00	x	1.00	36.00	12.00	3.90	1684.80	cum
		1.00	x	1.00	36.00	12.00	8.30	3585.60	cum
					Total			16931.60	cum

Quantity of material disposal to dumping= 16931.52

Carrying capacity of wire crates 16931.60

Balance -0.08

S.NO.	Catchment Area	No.	Length	Width	Area	Unit
1		1.00	27.00	12.00	324.00	Sqm
2		1.00	21.00	10.00	210.00	Sqm
3		1.00	36.00	12.00	432.00	Sqm
		Total			966.00	Sqm
		In Hectare			0.966	Hec

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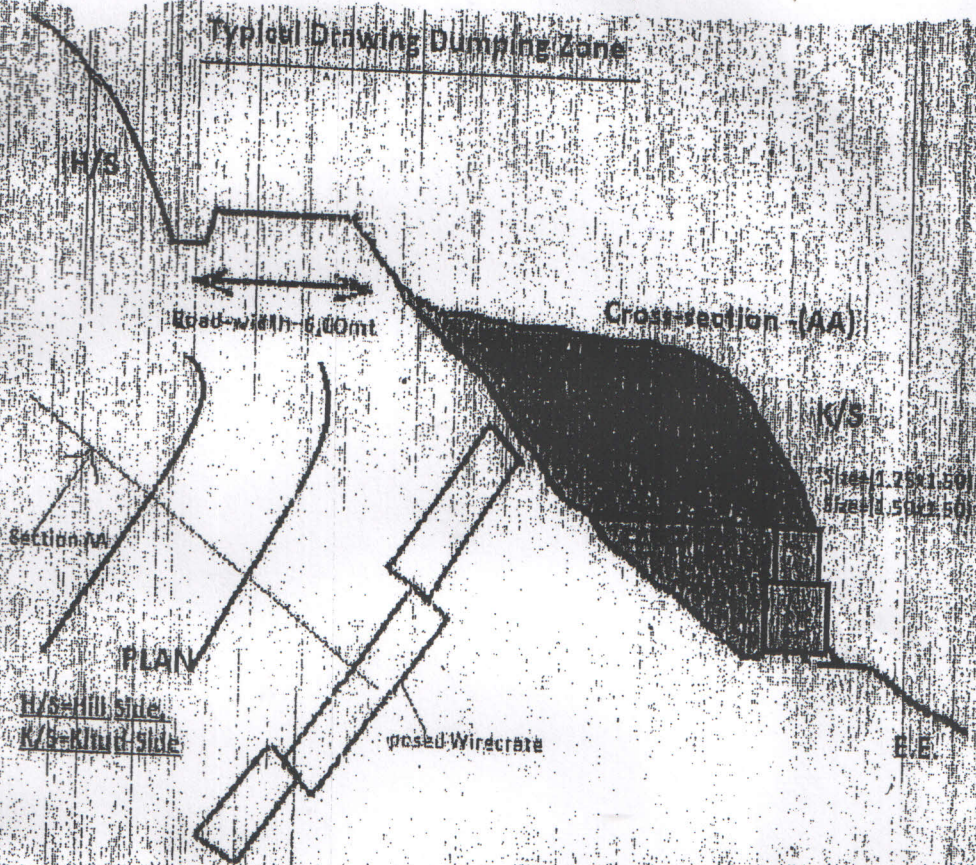
अभिषेक अभियन्ता  
प्र. ४० लो १० वि०, कपकोट  
बागेश्वर

photo attached

(A)

सहायक अभियन्ता  
निर्माण खड  
कपकोट

नाम जिला योजना के अन्तर्गत खसरेख भन्दा डाना रिया मोर घाट का निर्माण (4.1.12)

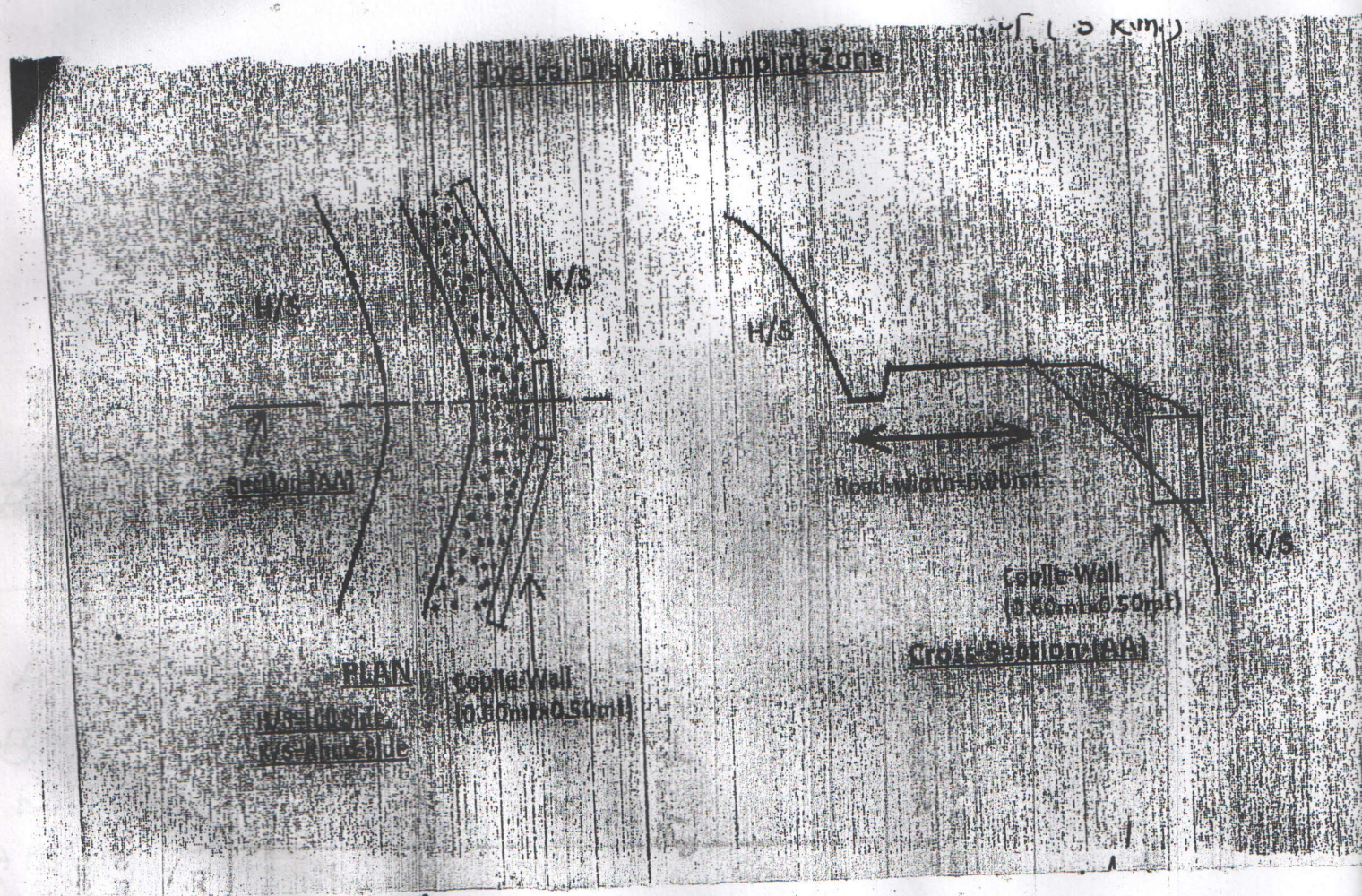


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सहायक अभियन्ता  
निर्माण खड  
मोहनलाल कपकोट  
Photo  
सहायक अभियन्ता  
निर्माण खड  
मोहनलाल कपकोट

परिचोपन  
मार्ग

त्रिभुज योजनात्मक क्षेत्र का जल विभाजन क्षेत्र का निर्माण (4K)



Komh  
J.R.

सहायक अभियन्ता  
निर्माण खंड  
मोहनि(वि) कपकोट

photo attached

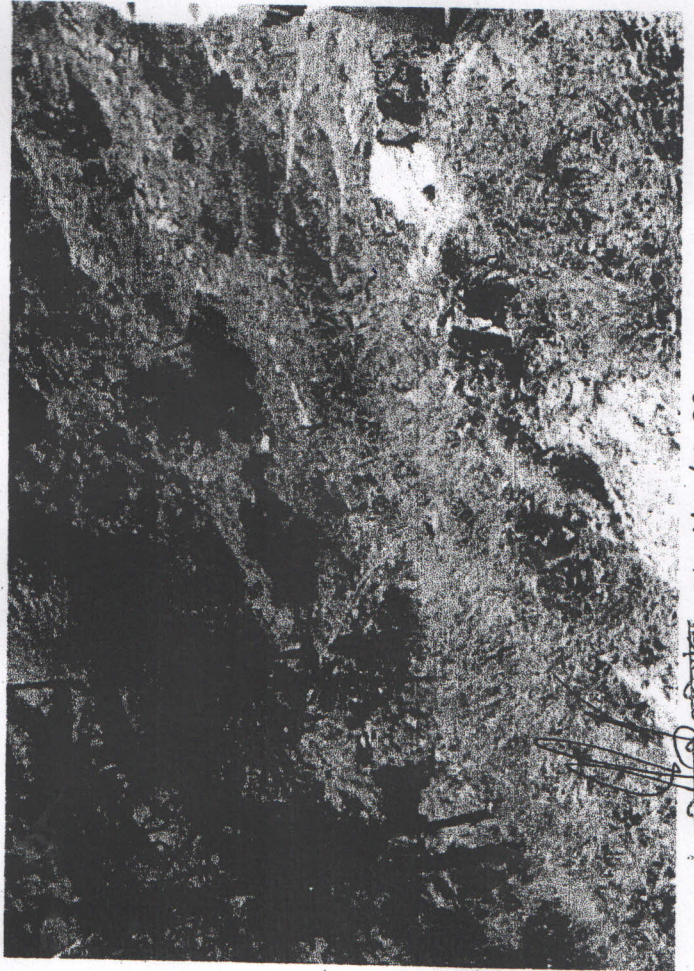
सहायक अभियन्ता  
निर्माण खंड  
मोहनि(वि) कपकोट

2.19.11

59



Km 02 - HM (02-04)



अभियंता सहायक 04 HM (5-8)



Km-01 HM. (2-4)



Km 03 HM (4-6)

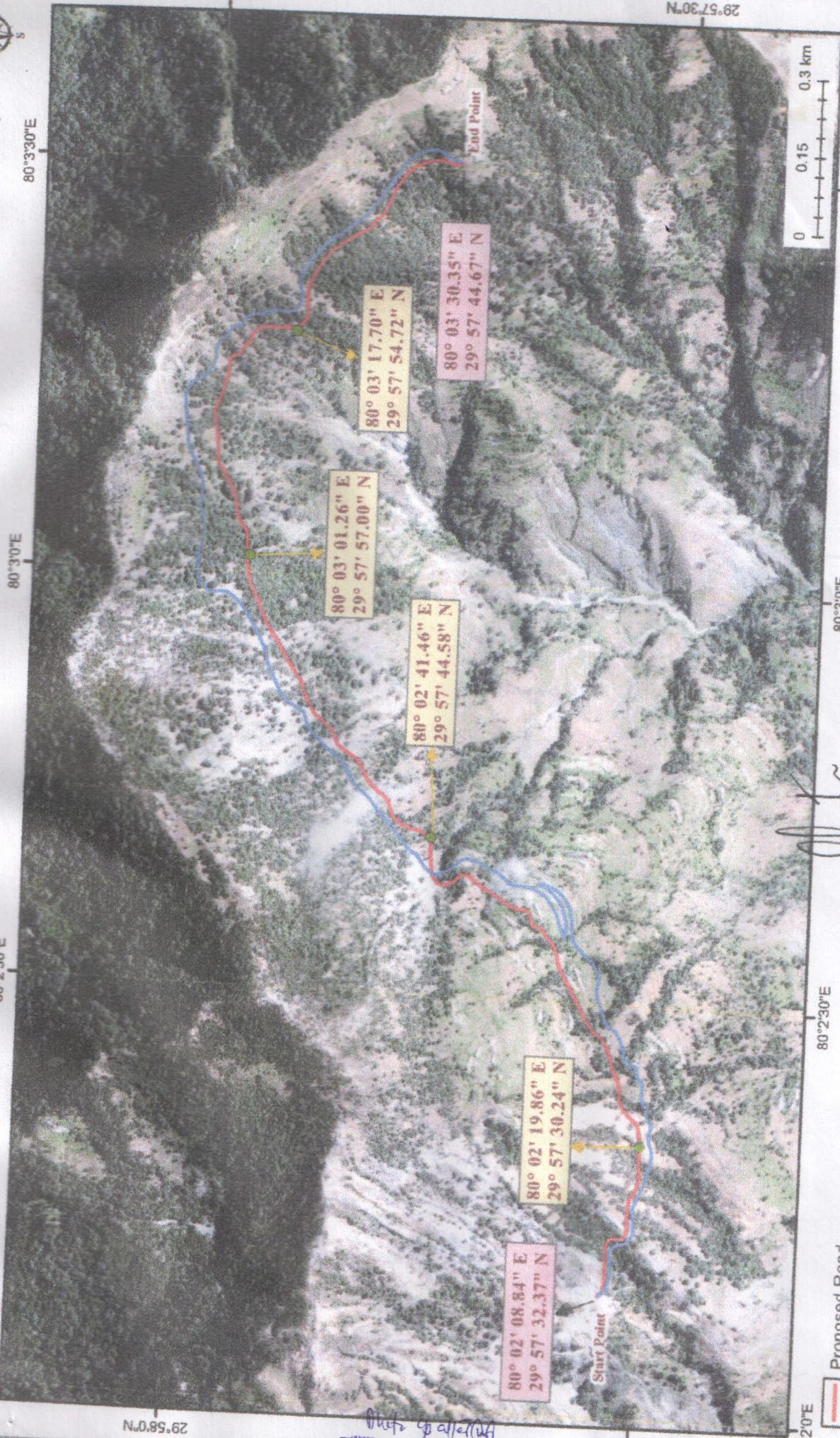
सहायक अभियंता

सहायक अभियंता  
निर्माण खंड  
चौकट (वि) कपकोट

0 km - 1:100000 - Daman - Dima - Tikta Motor Road (Dist. Sector) Length - 4.008 Km

Muck Disposal Scheme

Google - (Muck)



- Proposed Road
- Alternate Road
- Muck Dumping Site

Handwritten signature and text:   
A.E.   
Kongre   
अभिषेक अभियन्ता   
नि. उ. उ. नि. वि. क. प. को.   
बागेश्वर

सहायक अभियन्ता   
निर्माण खंड   
सोपान (वि.) कागज

2.19.12   
Handwritten signature and text:   
बागेश्वर   
बागेश्वर