

MUCK
DISPOSAL
PLAN

मक डम्पिंग प्लान/प्रमाण-पत्र

परियोजना का नाम- जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में गैरखेत लखमरा 5 किमी० मोटर मार्ग का वनभूमि प्रस्ताव उत्तराखण्ड लोक निर्माण विभाग को हस्तान्तरण प्रस्ताव।

प्रमाणित किया जाता है कि जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में गैरखेत लखमरा 5 किमी० मोटर मार्ग के नव निर्माण 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

अधिशारी अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट

Analysis of rate

**परियोजना का नाम: जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में गैरखेत लखमारा 05
किमी० मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव।**

S.N	SOR CODE		ITEM	RATE	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	284.70	Cum
2	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	Cum
3	97176	7-6-2	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	2,126.10	Cum

[Signature]
J.E

[Signature]
A.E

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 Masonary 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 walls 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 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 5600, 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)	9,439.00	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		
97166 7-1-1	Earthwork in excavation for structures as per drawing and technical specification Clause 305.	284.70	cu.m
97167 7-1-2	Plain cement concrete M15 grade	5,906.70	cu.m
97168 7-1-3	Brick masonry in cement mortar 1:4	7,969.30	cu.m
97169 7-1-4	Stone masonry in cement mortar 1:4	5,054.00	cu.m
97170 7-1-5	Providing P.C.C M20 architectural coping on top of wall	461.80	cu.m
97171 7-2	Preparation of Subgrade	64.60	cu.m
97172 7-3	Granular Sub-base	1,569.00	cu.m
97173 7-4	W.B.M. Base Course	2,585.20	cu.m
97174 7-5	Cement Concrete Slab	7,821.50	cu.m
7-6	Providing and Laying Apron		
97175 7-6-1	Providing and Laying Apron with Stone Boulders as per Drawings & Technical Specification Clause 1301	1,269.10	cu.m
97176 7-6-2	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	2,126.10	cu.m
97177 7-6-3	Providing and Laying of Apron with Cement Concrete Blocks as per Drawing and Technical Specification Clause 1301	5,965.20	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	71,574.00	cu.m
7-8	Bedding for Causeway		
97179 7-8-1	Type A (concrete cradle) Bedding Clause 1402.5	5,965.80	cu.m
97180 7-8-2	Type B (first class) Bedding Clause 1402.5	1,799.10	cu.m
97181 7-9	Laying Reinforced Cement Concrete Pipe NP3 as per drawing and technical specification Clause 1402.6	8,889.90	metre
97182 7-10	Laying Reinforced Cement Concrete Pipe NP4 as per technical specification Clause 1402.6	10,247.10	metre

Specification:

2/20/15

परियोजना का नाम: एस0सी0एस0पी0 के अन्तर्गत कन्यालीकोट-जगथाना मोटर मार्ग के किमी0 04 से पैसारी तक 6.00 किमी0 मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव।

Name of Block: Kapkot (Bageshwar)		Length: 6 KM	
Muck Received From Hill Site Cutting			
Sr.No.		Quantity	Unit
1	Total Material Received From Hill side cutting { $1/2 \times 6000 \times 7.00 \times (0.90 + 4.00)/2$ }	51450.00	cum
Disposal and use of Material			
1	Earth and boulder filling	7000.00	cum
2	Earth and boulder filling for super elevation	4130.00	cum
3	Construction of coolie walling	1930.00	cum
4	R.R. Stone Masonry laid in 1:5	5310.00	cum
5	R.R. Stone Masonry laid in dry	4232.00	cum
6	Hand Packed stone filling	3456.00	cum
7	Construction of WIRE CRATE	4530.00	cum
8	Making of edge stone	410.00	cum
9	Construction of Parapet	2976.00	cum
10	Providing and laying using gravel in soft reaches	2245.00	cum
11	Construction of pillar	301.00	cum
12	Construction of scrupper	3001.00	cum
13	Material to be dispose in road side along the collee wall [$\{3 \times 10 \times (80 + 90 + 86)/3\} \times 2.1 \times 1.00$]	107.52	cum
14	Material used for hill side pucca k/c drain @ 0.167 cum/rmt, (Quantity 5000 rmt)	835.00	cum
Total Used		40463.52	cum

Quantity of muck to be disposed at dumping places

=(Material Received-Material Used)

Add 25%

TOTAL

Say

10986.48 Cum

2746.62 Cum

13733.11 Cum

13734.00 Cum 0.00

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परियोजना का नाम: एस०सी०एस०पी० के अन्तर्गत कन्यालीकोट-जगथाना मोटर मार्ग के किमी० ०४ से पैसारी तक
६.०० किमी० मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव।

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						
	Km-1 (0-2)	1.00	1.00	100.00	0.60	0.20	12.00 Cum
	Km-2 (6-8)	1.00	1.00	110.00	0.60	0.20	13.20 Cum
	Km-3 (2-4)	1.00	1.00	100.00	0.60	0.20	12.00 Cum
	Km-4 (6-8)	1.00	1.00	90.00	0.60	0.20	10.80 Cum
	Km-5 (2-4)	1.00	1.00	82.00	0.60	0.20	9.84 Cum
	Km-6 (4-6)	1.00	1.00	80.00	0.60	0.20	9.60 Cum
						67.44	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)						
	Km-1 (0-2)	1.00	1.00	100.00	0.60	0.60	36.00 Cum
	Km-2 (6-8)	1.00	1.00	110.00	0.60	0.60	39.60 Cum
	Km-3 (2-4)	1.00	1.00	100.00	0.60	0.60	36.00 Cum
	Km-4 (6-8)	1.00	1.00	90.00	0.60	0.60	32.40 Cum
	Km-5 (2-4)	1.00	1.00	82.00	0.60	0.60	29.52 Cum
	Km-6 (4-6)	1.00	1.00	80.00	0.60	0.60	28.80 Cum
					Total	202.32	Cum
					Say	202.00	Cum
3)	97176/7-6-2 Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301						
	Km 1 (0-2)	1.00	14.00	3.00	1.50	1.50	94.50 Cum
		2.00	10.00	3.00	1.50	1.50	135.00 Cum
	Km 2 (6-8)	1.00	17.00	3.00	1.50	1.50	114.75 Cum
		2.00	10.00	3.00	1.50	1.50	135.00 Cum
	Km 3 (2-4)	1.00	14.00	3.00	1.50	1.50	94.50 Cum
		2.00	10.00	3.00	1.50	1.50	135.00 Cum
	Km 4 (6-8)	1.00	14.00	3.00	1.50	1.50	94.50 Cum
		2.00	9.00	3.00	1.50	1.50	121.50 Cum
	Km 5 (2-4)	1.00	14.00	3.00	1.50	1.50	94.50 Cum
		2.00	8.00	3.00	1.50	1.50	108.00 Cum
	Km 6 (4-6)	1.00	14.00	3.00	1.50	1.50	94.50 Cum
		2.00	7.00	3.00	1.50	1.50	94.50 Cum
					Total	1316.25	Cum
					Say	1316.00	Cum

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BILL OF QUANTITY FOR MUCK DISPOSAL

परियोजना का नाम: एस0सी0एस0पी0 के अन्तर्गत कन्यालीकोट-जगधाना मोटर मार्ग के किमी0 04 से पैसारी तक 6.00 किमी0 मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव।

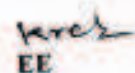
Name of Block: Kapkot (Bageshwar)					Total Length: 6KM	
Sl No	Description	Quantity	Unit	@	Rate	Amount
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal osurplus material as per direction of engineer - in -charge	67.44	cum	@	284.70	19200.17
2	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)	202.00	cum	@	1143.10	230906.20
3	Providing and Laying of Boulder Apron Laid in Wire Crates as per Drawing and Technical Specification Clause 1301	1316.00	cum	@	2126.10	2797947.60
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	Contigencies 2%					6000.00
Total						3354053.97



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Summary

परियोजना का नाम: एस0सी0एस0पी0 के अन्तर्गत कन्यालीकोट-जमथाना मोटर मार्ग के किमी0 04 से पैसारी तक 6.00 किमी0 मोटर मार्ग का वनभूमि हस्तान्तरण प्रस्ताव।

Name of Block: Kapkot (Bageshwar)

Total Length: 6 KM

Carrying Capacity of Wire Crates

S.NO.	Chainage of Wire Crates	No.			Size of catchment area of wire crates				Quantity	Unit
					L	B	H			
1	Km-1 (0-2)	1.00	x	1.00	40.00	30.00	2.10	2520.00	cum	
2	Km-2 (6-8)	1.00	x	1.00	50.00	30.00	2.10	3150.00	cum	
3	Km-3 (2-4)	1.00	x	1.00	40.00	30.00	2.10	2520.00	cum	
4	Km-4 (6-8)	1.00	x	1.00	40.00	25.00	2.10	2100.00	cum	
5	Km-5 (2-4)	1.00	x	1.00	40.00	21.00	2.10	1764.00	cum	
6	Km-6 (4-6)	1.00	x	1.00	40.00	20.00	2.10	1680.00	cum	
					Total			13734.00	cum	
					say			13734.00	cum	

Quantity of material disposal to dumping 13734.00
 Carrying capacity of wire crates 13734.00
 Balance 3 0.00

S.NO.	Catchment Area	No.	Length	Width	Area	Unit
1	Km-1 (0-2)	1.00	20.00	10.00	200.00	Sqm
2	Km-2 (6-8)	1.00	14.00	10.00	140.00	Sqm
3	Km-3 (2-4)	1.00	10.00	10.00	100.00	Sqm
4	Km-4 (6-8)	1.00	10.00	10.00	100.00	Sqm
5	Km-5 (2-4)	1.00	10.00	10.00	100.00	Sqm
6	Km-6 (4-6)	1.00	10.00	10.00	100.00	Sqm
		Total			740.00	Sqm
		In Hectare			0.074	Hec

Dr. S. S. S. S.
JE

CH



km-1 (4-6) $79^{\circ}50'20.73$
 $29^{\circ}55'07.0$



km-2 (0-2) $79^{\circ}50'19.72$
 $29^{\circ}55'22.20$



fresh km 3 (2-4) $79^{\circ}50'19.89$ $29^{\circ}55'31.49$ $\frac{1}{10}$



km 4 (8-10) $79^{\circ}50'29.47$
 $29^{\circ}55'53.24$



lcm5 (4-6)

79° 50' 14.63
29° 55' 47.43

Sinech

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