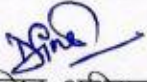



MUCK
DISPOSAL
PLAN

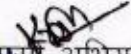
परियोजना का नाम :- जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी० 16 तुडतुडिया के पास ओलिंग होते हुए भैरु, ओखलधार तक 6.00 किमी० मोटर मार्ग हेतु मक डिस्पोजल आगणन।

मक डम्पिंग प्लान / प्रमाण -पत्र

प्रमाणित किया जाता है कि जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी० 16 तुडतुडिया के पास ओलिंग होते हुए भैरु, ओखलधार तक 6.00 किमी० मोटर मार्ग के 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।


कनिष्ठा अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट


सहायक अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट


अधिसूचक अभियन्ता
निर्माण खण्ड, लो०नि०वि०
कपकोट

Year

2015-2016

Effective Date 01/05/2015

Item Description		Rate In (Rs.)			Unit
		Rate			
		Block 57 Kapkot (BAGESHWAR)	Block 58 Garud (BAGESHWAR)	Block 59 Bageshwar	
For Hard Rock					
8-4	Retaining Walls / Breast Walls				
	Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604				
97192 8-4-1	Earthwork in excavation for structures	284.700	277.600	280.000	cu.m
97193 8-4-2	Plain cement concrete M 10 grade	5,927.200	5,904.100	5,742.800	cu.m
97194 8-4-3	Stone masonry in cement mortar 1:5	3,602.400	3,610.700	3,555.400	cu.m
97195 8-4-4	Pointing with cement mortar 1:3	76.600	76.000	75.300	sq.m
97196 8-4-5	Providing P.C.C. M 20 architectural coping on top of retaining wall/breast wall	461.800	459.600	444.900	metre
97197 8-4-6	Filter material behind retaining wall / breast wall as per Specification 1204.3.8 in a width of 600 m	3,596.100	3,188.800	3,271.600	cu.m
97198 8-4-7	Back filling behind retaining wall/breast wall	692.200	683.100	686.200	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. Dimesions and other particulars as per drawing and Technical Specification Clause 1606.1				
97199 8-5-1	Earthwork in excavation for structures as per drawing and technical specification	284.700	277.600	280.000	cu.m
97200 8-5-2	Plain cement concrete M10 grade	5,964.500	5,941.500	5,781.300	cu.m
97201 8-5-3	Stone masonry in cement mortar 1:5	3,602.400	3,610.700	3,555.400	cu.m
97202 8-5-4	Plain cement concrete M15 grade	5,885.400	5,899.200	5,714.800	cu.m
97203 8-5-5	Cement plaster 15 mm thick 1:4 on stone masonry	139.100	143.400	136.600	sq.m
97204 8-5-6	Providing P.C.C. M20 architectural coping on top of wall	461.800	459.600	444.900	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				
97205 8-6-1	Earthwork in excavation for structures as per drawing and technical specification	284.700	277.600	280.000	cu.m

Year 2015-2016

Effective Date 01/05/2015

Chapter Name PROTECTION WORKS (Based on MORD)

Item Description	Rate In (Rs.)			Unit
	Block 57 Kapkot (BAGESHWAR)	Block 58 Garud (BAGESHWAR)	Block 59 Baoeshwar	
97458 14-1	1,269.100	1,256.900	1,260.900	cu.m
97459 14-2	2,126.100	2,113.700	2,117.400	cu.m
97460 14-3	5,965.200	5,979.000	5,789.800	cu.m
14-4				
97461 14-4-A	697.000	694.000	695.000	metre
97462 14-4-B	553.100	550.100	551.100	metre
14-5				
97463 14-5-1	1,269.100	1,256.900	1,260.900	cu.m
97464 14-5-2	5,965.200	5,979.000	5,789.800	cu.m
97465 14-5-3	7,973.000	7,548.000	7,577.600	cu.m
97466 14-6	2,318.600	2,307.100	2,311.000	cu.m
14-7				

Year

2015-2016

Effective Date 01/05/2015

Chapter Name Other Item

Rate In (Rs.)

	Item Description	Rate			Unit
		Block 57 Kapkot (BAGESHWAR)	Block 58 Garud (BAGESHWAR)	Block 59 Bageshwar	
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	284.700	277.600	280.000	cu.m
97512 16-2	Random rubble stone masonry laid in mud mortar (As per PWD Uttarakhand specifications)	1,989.500	1,949.800	1,963.000	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)	1,958.200	1,929.000	1,938.700	cu.m
97514 16-4	H.P stone filling in back of wallis including cost of all materials ,royalty t&p etc. complete.	692.200	683.100	686.200	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)	3,100.700	3,097.600	3,057.400	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)	1,143.100	1,120.500	1,128.100	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)	5,180.800	5,170.900	5,107.100	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	84,279.500	83,688.500	83,844.500	M.T.

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28/05/15
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Muck Recived from Hill side Cutting

परियोजना का नाम:- जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी0 16 तुडतुडिया के पास ओलिंग होते हुए भैरु, ओखलधार तक 6.00 किमी0 मोटर मार्ग हेतु मक डिस्पोजल आगणन।

Name of Block:-Kapkot

Length: 6.00 Km

S.No	Description of work	Quantity	Unit
1	Earth Material Recived from Hill side cutting (1/2x6000x7.00(0.90+3.00))/2	40950	Cum
Disposal and use of Material			
1	Earth and boulder filling	1000.00	Cum
2	Earth and boulder filling for super-elevation	500.00	Cum
3	Construction of Coolie Walling	700.50	Cum
4	R.R. Stone Masonary laid in 1:5	510.63	Cum
5	R.R. Stone Masonary laid in dry	1850.23	Cum
6	Hand Packed stone Filling	875.65	Cum
7	Construction of wire crate	850.00	Cum
8	Making of edge-stone	100.00	Cum
9	Construction of parapet	115.50	Cum
10	Providing and laying using gravel in soft reaches	1632.60	Cum
11	Construction of Pillars	10.50	Cum
12	Construction of scupper	875.00	Cum
13	Material to be dispose in road side along the collee wall	12000.00	Cum
14	Material Used for hill side pucca K/C drain (Quantity=2470rmt)@0.167cum/Rmt)	412.49	Cum
Total Used		21433.10	Cum

Quantity of Muck to be disposed at dumping places-(Material Recived-Matrial used)

	=	40950.00	-	21433.10
	=	19516.90		Cum
Add 25%		4879.23		Cum
Total=		24396.13		Cum

And
08

Details of measurement for Muck Disposal

परियोजना का नाम:- जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी० 16 तुडतुडिया के पास ओलिंग होते हुए भैरु, ओखलधार तक 6.00 किमी० मोटर मार्ग हेतु मक डिस्पोजल आगणन।

Name of Block:-Kapkot

Length: 4.00 Km

Sl	S.O.R. Code	Item	No	L	B	H/D	Qty	Unit
1	97192 (8-4-1)	Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604						
	A	Km 1	1x1	20.00	1.50	0.50	15.00	Cum
	B	Km 2	1x1	35.00	1.50	0.50	26.25	Cum
	C	Km 3	1x1	20.00	1.50	0.50	15.00	Cum
	D	Km 4	1x1	40.00	1.50	0.50	30.00	Cum
	E	Km 5	1x1	35.00	1.50	0.50	26.25	Cum
	F	Km 5	1x1	20.00	1.50	0.50	15.00	Cum
						Total	127.50	Cum
2	97459 (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						
	A	Km 1	1x8	3.00	1.50	1.50	54.00	Cum
	B	Km 2	1x14	3.00	1.50	1.50	94.50	Cum
	C	Km 3	1x12	3.00	1.50	1.50	81.00	Cum
	D	Km 4	1x15	3.00	1.50	1.50	101.25	Cum
	E	Km 5	1x10	3.00	1.50	1.50	67.50	Cum
	F	Km 6	1x10	3.00	1.50	1.50	67.50	Cum
						Total	465.75	Cum
3	97516 (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)						
	A	Km 1	1x8	40.00	0.50	0.60	96.00	Cum
	B	Km 2	1x10	55.00	0.50	0.60	165.00	Cum
	C	Km 3	1x9	65.00	0.50	0.60	175.50	Cum
	D	Km 4	1x11	80.00	0.50	0.60	264.00	Cum
	E	Km 5	1x11	50.00	0.50	0.60	165.00	Cum
	F	Km 6	1x11	60.00	0.50	0.60	198.00	Cum
						Total	1063.50	Cum

J.E.

A.E.

BILL OF QUANTITY

परियोजना का नाम:- जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी० 16 तुडतुडिया के पास ओलिंग होते हुए भैरु, ओखलधार तक 6.00 किमी० मोटर मार्ग हेतु मक डिस्पोजल आगणन।

Name of Block:-Kapkot

Length: 6.00 Km

SI No	Description	Quantity	Unit	Rate	Amount
1	Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604	127.50	Cum	284.70	36299.25
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	465.75	Cum	2126.10	990231.08
3	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)	1063.50	No	1143.10	1215686.85
Total					2242217.18
Say					22.42


Lac



J.E.



A.E.


E.E.
उत्तराखण्ड
राज्य
मार्ग
मंत्रालय

BILL OF QUANTITY

परियोजना का नाम:- जिला योजना के अन्तर्गत बागेश्वर कपकोट मोटर मार्ग के किमी० 16 तुडतुडिया के पास ओलिंग होते हुए भेरु, ओखलधार तक 6.00 किमी० मोटर मार्ग हेतु मक डिस्पोजल आगणन।

Name of Block:-Kapkot

Length: 6.00 Km

Carrying Capacity of Wire Crate


Sl No	Km of Wire- Crate	No.			Size of catchment-area of wire crate				
					Length(mt)	Width(mt)	Height(mt)	Quantity	Unit
	Km 1.00	1	x	1	15.00	10.00	2.70	405.00	Cum
	Km 2.00	1	x	1	22.00	8.00	2.70	475.20	Cum
	Km 3.00	1	x	1	25.00	10.00	2.70	675.00	Cum
		1	x	1	10.00	8.00	2.70	216.00	Cum
	Km 4.00	1	x	1	20.00	10.00	2.70	540.00	Cum
	Km 5.00	1	x	1	25.00	10.00	2.70	675.00	Cum
	Km 6.00	1	x	1	20.00	10.00	2.70	540.00	Cum
								Total	3526.20
									Cum

Quantity of material disposal to dumping=	3526.20	Cum
Carry Capacity of Wire Crate=	3526.20	Cum
Balance	20869.93	Cum

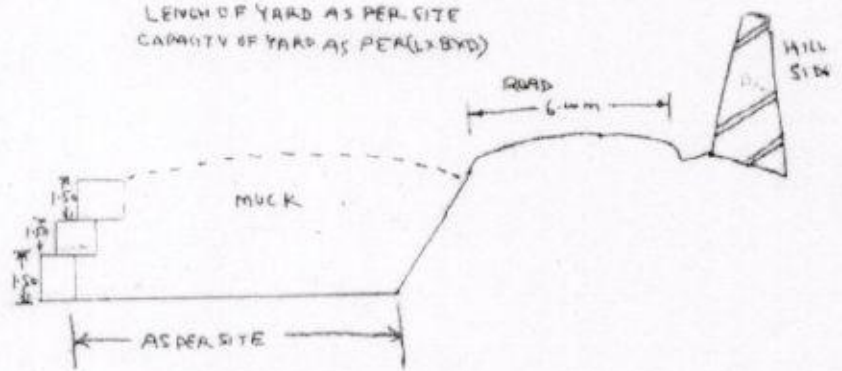
S.No	Catchment Area	No	Length(mt)	Width(mt)	Area	Unit
1	Km 1 (H.M. 2-4)	1	10.00	8.00	80.00	Sqm
2	Km 1 (H.M. 6-8)	1	15.00	8.00	120.00	Sqm
3	Km 2 (H.M. 6-8)	1	10.00	6.50	65.00	Sqm
4	Km 2 (H.M. 8-10)	1	15.00	8.00	120.00	Sqm
5	Km 3 (H.M. 2-4)	1	8.00	6.00	48.00	Sqm
6	Km 3 (H.M. 6-8)	1	20.00	8.00	160.00	Sqm
7	Km 4 (H.M. 8-10)	1	15.00	10.00	150.00	Sqm
8	Km 5 (H.M. 2-4)	1	10.00	7.00	70.00	Sqm
9	Km 6 (H.M. 4-6)	1	8.00	6.00	48.00	Sqm
10	Km 6 (H.M. 8-10)	1	10.00	6.50	65.00	Sqm
					Total	926.00
					In Hech.	0.0926
						Hect.


J.E.


A.E.


J.E.
जिला योजना
बागेश्वर कपकोट
मोटर मार्ग

LENGTH OF YARD AS PER SITE
CAPACITY OF YARD AS PER (L x B x D)



WIRE GATE
TYPICAL SECTION OF MUCK DISPOSAL YARD

[Signature] .E

[Signature]
A.R

[Signature]
निर्माता : ...
प्रकल्प (14442)

① K.M-1 $79^{\circ}51'49.90''$ E
H.M-0-2 $29^{\circ}55'1'57''$ N



② K.M-1 $79^{\circ}51'36.57''$ E
H.M-6-8 $29^{\circ}55'3.32''$ N

Handwritten signature

Handwritten signature

Handwritten signature