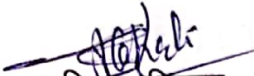



**NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA
HARKHOLA MOTOR ROAD .**


विकास खण्ड का नाम :- कनालीछीना

मक डम्पिंग प्लान/प्रमाण पत्र

प्रमाणित किया जाता है जनपद पिथौरागढ़ में विकास खण्ड कनालीछीना के अर्न्तगत जनपद पिथौरागढ़ में बन्दरलीमा हड़खौला मोटर मार्ग का नव निर्माण लम्बाई 4.00 किमी० के निर्माण से उत्पादित मलबे को उचित प्रक्रियानुसार सुरक्षित स्थान पर डम्प किया जायेगा। मलबा कहीं भी वृक्ष आच्छादित क्षेत्र, जल श्रोतों में नहीं डाला जायेगा।


कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट


सहायक अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट


अधिसासी अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट

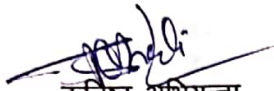
**NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA
HARKHOLA MOTOR ROAD .**


विकास खण्ड का नाम :- कनालीछीना

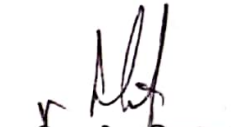
प्रतिवेदन

प्रस्तुत प्राक्कलन उक्त मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया है। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु संयुक्त निरीक्षण किया गया, निरीक्षण के समय मार्ग में चैनेज संख्या किमी० 0.000, 0.300, 0.525, 1.200, 2.525, 2.000, 3.000, 3.550 पर स्थलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे पर स्थित है। मवला निस्तारण हेतु खड्ड साइड में मार्ग के समानान्तर वायरकेट लगाये जाने का प्राविधान है ।

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रू० 65.02 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे।


कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


सहायक अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


अधिशाली अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट



**PWD UTTARAKHAND
SCHEDULE OF RATES**

**SOR :- MISCELLANEOUS
For Block 50 Dharchula**

**Year :- FY. 2019-20
Effective From:-01-May-2019**

Sl. No.	Description	Rate	Unit
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CHAPTER-1 - General Items

1-1	Earthwork in Hill Road (Hill Side Cutting)		
1-1-1	Excavation in soil in Hilly Area by mechanical means		
1-1-1-A	Excavation in soil in Hilly Area by mechanical means Without useing Dozer including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per Technical Specification Clause 1603.1	69.90	Cum
1-1-1-B	Extra for Every Additional Lift of 1.5 m or Part thereof	25.60	Cum
1-1-2	Excavation in Hilly Areas in Ordinary Rock by mechanical means not requiring blasting (With out Dozer)		
	Excavation in hilly area in ordinary rock not requiring blasting by mechanical means without using Dozer including cutting and trimming of slopes and disposal of cut material with a lift upto 1.5 m and lead upto 20 m as per Clause 1603.2.	108.40	Cum
1-1-3	Excavation in Hilly Areas in Hard Rock requiring blasting		
1-1-3-A	Excavation in hilly areas in hard rock requiring blasting, by mechanical means without using Dozer , lift upto 1.5 m and disposal of excavated rock upto a lead of 20 m as per Clause 1603.2.	275.40	Cum
1-1-3-B	Extra for Every Additional Lift of 1.5 m or Part thereof	50.30	Cum
1-2	Excavation in foundation for retaining, breast walls etc, in all types of soils and rocks including all lead, lift and disposal of surplus material as per direction of engineer - in - charge, as per drawing and technical specifications Clause 305.1 of MORD Specifiction	388.20	Cum
1-3	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royaltiies etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specifiction	2,024.10	Cum
1-4	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. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specifiction	3,622.70	Cum
1-5	Hand Packed stone filling in back of wallls including cost of all materials, royalty, T&P etc. complete as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	825.80	Cum
1-6	Construction of coolie walling including supply of all material, labour, T&P etc. required for proper completion of the work as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	1,348.50	Cum



PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MISCELLANEOUS
For Block 50 Dharchula

Year :- FY. 2019-20
Effective From:-01-May-2019

Sl. No.	Description	Rate	Unit
1-7	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)		
1-7-1	GI wire 10 gauge BWG	1,701.80	Cum
1-7-2	GI wire 8 gauge BWG	1,883.60	Cum
1-8	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	8,076.30	No.
1-9	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions of galvanized steel, of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 3 mm for gabions, edge/selvedge wire diameter 3.9 mm and lacing wire diameter 2.2 mm. (The work includes filling boulders in the gabions).	8,258.10	No.
1-10	Clearance of land slides (Slip Clearance)		
1-10-1	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side complete as directed by the Engineer-in-charge.	66.10	Cum
1-10-2	Clearing of land slide in hard rock requiring blasting for 50 per cent of the boulders and disposal of the same on the valley side (Using bull-dozer) complete as directed by the Engineer-in-charge.	110.00	Cum
1-10-3	Slip clearance (by manual means) of loose earth and other small loose materials including disposal complete as directed by the Engineer-in-charge.	232.00	Cum
1-10-4	Slip clearance (by manual means) of earth and boulders including disposal complete as directed by the Engineer-in-charge.	232.70	Cum
1-10-5	Slip clearance (by manual means) of boulders only including disposal complete as directed by the Engineer-in-charge.	249.10	Cum
1-11	Setting Out (Construction of Reference Pillars, Back Pillars and Job Pillars)		
1-11-1	Construction of reference pillars with RR 1:6 stone masonry and Plastered with 1:4 Mortar, (totally under ground) of length 200mm, width 200mm and height 300mm) as per Fig. 1600.1 (b) and Technical Specification Clause 1602.1 of MORD specifications.	59.40	No.



PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MORD

For Block 50 Dharchula

Year :- FY. 2019-20

Effective From:-01-May-2019

Sl. No.	Description	Rate	Unit
1-5-1	Loading of Structural Steel, Steel Bars by manual means including a lead upto 30 m	150.00	Tonne
1-5-2	Unloading of Structural Steel, Steel Bars by manual means including a lead upto 30 m	150.00	Tonne
1-6	Loading and Unloading of Bitumen Drums by Manual Means		
1-6-1	Loading of Bitumen Drums by manual means including a lead upto 30 m	155.80	Tonne
1-6-2	Unloading of Bitumen Drums by Manual Means including a lead upto 30 m	136.70	Tonne
1-7	Loading and Unloading of Timber by Manual Means		
1-7-1	Loading of Timber by manual means including a lead upto 30 m	222.50	Tonne
1-7-2	Unloading of Timber by manual means including a lead upto 30 m	222.50	Tonne
1-8	Loading and Unloading of C.C. Blocks, Kerb, etc.		
1-8-1	Loading with care C.C. Blocks, km Stone, 200 m Stone, Boundary Pillar, Kerb, Channel, Bond Stone, etc. by manual means including a lead upto 30 m	347.50	Cum
1-8-2	Unloading with care C.C. Blocks, km Stone, 200 m Stone, Boundary Pillar, Kerb, Channel, Bond Stone, etc. by manual means including a lead upto 30 m	347.50	Cum
1-9	Loading and Unloading of Hume Pipes		
1-9-1	Loading of RCC Hume pipes by mechanical means including a lead upto 30 m		
1-9-1-A	1000 / 1200 mm dia Hume pipe	82.10	Pipe
1-9-1-B	750 mm dia Hume pipe	49.30	Pipe
1-9-1-C	600/450 mm dia Hume pipe	35.20	Pipe
1-9-2	Unloading of RCC Hume pipe by manual means including a lead upto 30 m		
1-9-2-A	1000/1200 mm dia RCC Hume pipes	349.10	Pipe
1-9-2-B	750 mm dia Hume pipe	290.90	Pipe
1-9-2-C	600/450 mm dia Hume pipe	218.20	Pipe
1-9-3	Unloading of RCC Hume pipes by mechanical means including a lead upto 30 m		
1-9-3-A	1000/1200 mm dia Hume pipe	60.40	Pipe
1-9-3-B	750 mm dia Hume pipe	36.20	Pipe
1-9-3-C	600/450 mm dia Hume pipe	25.90	Pipe
1-10	Haulage excluding Loading & Unloading- Haulage of materials by tipper excluding cost of loading, unloading and stacking. <i>Notes: In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate for t is to be divided by number of pipes of different diameters as indicated in item 1-9 to get the rate per pipe.</i>		
1-10-1	Surfaced Road	5.10	Tonne-Km
1-10-2	Unsurfaced Gravel Road	6.20	Tonne-Km



PWD UTTARAKHAND SCHEDULE OF RATES

SOR :- MORD

For Block 50 Dharchula

Year :- FY. 2019-20

Effective From:-01-May-2019

Sl. No.	Description	Rate	Unit
Chapter 1 - LOADING, UNLOADING, CARRIAGE, CRUSHING OF MATERIALS AND SETTING OUT			

Notes:- Rates are for net quantities after deduction of voids.

1-1	Loading and Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Manual Means		
1-1-1	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m	101.10	Cum
1-1-2	Loading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m	50.60	Cum
1-1-3	Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m	50.60	Cum
1-1-4	Unloading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m	30.00	Cum
1-2	Loading and Unloading Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Mechanical Means		
1-2-1	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a lead upto 30 m. (Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.)	54.60	Cum
1-2-2	Loading of Earth, Sand, Moorum, Manure, Flyash by mechanical means including a lead upto 30 m. (Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.)	28.30	Cum
1-2-3	Unloading of Earth, Sand, Lime, Moorum, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Manure, Crushed Slag, Flyash, Stone for Masonry Work by mechanical means. (Placing tipper at unloading point excluding time for haulage and return trip)	10.80	Cum
1-3	Loading, Unloading and Stacking of Bricks by Manual Means		
1-3-1	Loading of Bricks by manual means including a lead upto 30 m	164.10	1000 No.
1-3-2	Unloading and Stacking of Bricks by manual means including a lead upto 30 m	164.10	1000 No.
1-4	Loading and Unloading of Cement by Manual Means		
1-4-1	Loading of Bricks by manual means including a lead upto 30 m	135.50	Tonne
1-4-2	Unloading and Stacking of Bricks by manual means including a lead upto 30 m	135.50	Tonne
1-5	Loading and Unloading of Structural Steel and Steel Bars by manual means		

ANALYSIS OF RATE

**NAME OF WORK - DUMPING YARD WORKS OF
BANDERLEEMA HARKHOLA MOTOR ROAD .**

Rate Applied P.W.D.S.O.R. Date 1/5/2019

Sl. No	Item Description		Rate Block Kanalichina	Unit
1	1-2.	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	388.20	cu.m
2	1-7-1.	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) GI wire 10 gauge BWG	1,701.80	cu.m
3	1-10-2	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	6.20	Tonne. Km
4	1-1-2	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	50.60	Cum


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A.E.

Bill of Quantity (CIVIL LAND))

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

Sl No	SOR No.	Name of Item	QTY	Unit	Rate	Per	Amount
1	1-2.	Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	45.00	Cum	388.20	Cum	17469.00
2	1-7-1.	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) GI wire 10 gauge BWG	540.00	Cum	1701.80	Cum	918972.00
						Total	936441.00

J.E.

A.E.

DETAIL OF MESURMENT (NAP LAND)

**NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA
MOTOR ROAD .**

LENGTH 4 K.M

1 Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.								
Sl No.	Location of wirecrate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Ch. 0/12 on this alingment	1x1	50.00	1.50	0.50	37.50	Cum	
		1x2	20.00	1.50	0.50	30.00	Cum	
2	Ch.0/21 on this alingment	1x1	40.00	1.50	0.50	30.00	Cum	
		1x2	15.00	1.50	0.50	22.50	Cum	
3	Ch.1/8 on this alingment	1x1	65.00	1.50	0.50	48.75	Cum	
		1x2	30.00	1.50	0.50	45.00	Cum	
4	Ch.2/0 on this alingment	1x1	30.00	1.50	0.50	22.50	Cum	
		1x2	15.00	1.50	0.50	22.50	Cum	
5	Ch.2/21 on this alingment	1x1	50.00	1.50	0.50	37.50	Cum	
		1x2	25.00	1.50	0.50	37.50	Cum	
6	Ch.3/0 on this alingment	1x1	30.00	1.50	0.50	22.50	Cum	
		1x2	20.00	1.50	0.50	30.00	Cum	
7	Ch.3/22 on this alingment	1x1	40.00	1.50	0.50	30.00	Cum	
		1x2	30.00	1.50	0.50	45.00	Cum	
					TOTAL	461.25	Cum	
2 Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in-charge. (As per PWD Uttarakhand specifications) GI wire 10 gauge BWG								
Sl No.	Location of wire crate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Ch. 0/12 on this alingment	1x1	50.00	1.50	3.00	225.00	Cum	

Sl No.	Location of wirecrate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
		1x2	20.00	1.50	3.00	180.00	Cum	
2	Ch.0/21 on this alingment	1x1	40.00	1.50	3.00	180.00	Cum	
		1x2	15.00	1.50	3.00	135.00	Cum	
3	Ch.1/8 on this alingment	1x1	65.00	1.50	3.00	292.50	Cum	
		1x2	30.00	1.50	3.00	270.00	Cum	
4	Ch.2/0 on this alingment	1x1	30.00	1.50	3.00	135.00	Cum	
		1x2	15.00	1.50	3.00	135.00	Cum	
5	Ch.2/21 on this alingment	1x1	50.00	1.50	3.00	225.00	Cum	
		1x2	25.00	1.50	3.00	225.00	Cum	
6	Ch.3/0 on this alingment	1x1	30.00	1.50	3.00	135.00	Cum	
		1x2	20.00	1.50	3.00	180.00	Cum	
7	Ch.3/22 on this alingment	1x1	40.00	1.50	3.00	180.00	Cum	
		1x2	30.00	1.50	3.00	270.00	Cum	
			GRAND TOTAL			2,767.50	Cum	
3	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road							
	Average density of Debris (E&B) = 1600 Kg/cum or 1.6 tonne/cum Average Distance of Dumping Yard = 0.85 Km							
	Thus, Weight of Debris =	11,467.00	X	1.6	18,347.20 Tonne			
	Average Distance of Dumping Yard =						0.85 Km	
	Thus material to be disposed	18,347.20	x	0.85 =	15,595.12 per Tonne.Km			
4	Loading of Earth, Sand, Stone chips,Moorum, Manure, Flyash by manual means including a lead upto 30 m							
							= 11,467.00 Cum	

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Bill of Quantity (NAP LAND))

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

SI No	SOR No.	Name of Item	QTY	Unit	Rate	Per	Amount
1	1-2.	Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	461.25	Cum	388.20	Cum	179057.25
2	1-7-1.	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in-charge. (As per PWD Uttarakhand specifications) GI wire 10 gauge BWG	2767.50	Cum	1701.80	Cum	4709731.50
3	1-10-2	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	15595.12	Tonne.km	6.20	Tonne.km	96689.74
4	1-1-2	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	11467.00	Cum	50.60	Cum	580230.20
						Total	5565708.69


J.E.


A.E.

MUCK DISPOSAL PLAN

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA
MOTOR ROAD .

Summary of Result

1	The quantity of material received from hill side cutting (Sheet attached on page no-)	53760.00	Cum
2	The quantity of material used in various items (Sheet attached on page no-)	42293.00	Cum
3	Total numbers of dumping yards needed for the dumping of muck		
	(i) In civil land	1	Nos
	(ii) In nap land	7	Nos
	Total	8	Nos
4	Carrying capacity of dumping yards		
	(i) In civil land	1350.00	Cum
	(ii) In nap land	10575.00	Cum
	Total	11925.00	Cum
5	Land ownership reports(Nap Land) (Sheet attached on page no-)		
6	Total Amount for Construction of dumping Yards		
	(i) In civil land	9.36	Lacs
	(ii) In nap land	55.66	Lacs
Total Amount		65.02	Lacs


J.E.


A.E.

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

NAME OF BLOCK- KANALICHHINA (PITHORAGRAH)

MUCK DUMPING

S.NO	Location of Muck Dumping Zone			Type of land	No.	Catchment area of Muck dumping Zone		Area(Sqm)	Area(Hect)
	X-section's	Latitude	Longitude			Length (M)	Width(M)		
1	Ch. 0/0 on this alingment	29° 43.283'	80° 16.531'	Civil		30.00	15.00	450.00	0.045
2	Ch. 0/12 on this alingment	29° 43.3689'	80° 16.513'	Nap		50.00	20.00	1000.00	0.100
3	Ch. 2/21 on this alingment	29° 43.329'	80° 16.345'	Nap		40.00	15.00	600.00	0.060
4	Ch. 1/8 on this alingment	29° 43.284'	80° 16.096'	Nap		65.00	30.00	1950.00	0.195
5	Ch. 2/0 on this alingment	29° 43.315'	80° 15.854'	Nap		30.00	15.00	450.00	0.045
6	Ch. 2/21 on this alingment	29° 43.373'	80° 15.793'	Nap		50.00	25.00	1250.00	0.125
7	Ch. 3/0 on this alingment	29° 43.390'	80° 15.752'	Nap		30.00	20.00	600.00	0.060
8	Ch. 3/22 on this alingment	29° 43.293'	80° 15.574'	Nap		40.00	30.00	1200.00	0.120

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

LENGTH 4.00 K.M

Sl No.	Item of work	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	Content	Unit	
1	Muck Obtained from H.S Cutting							
		1x1/2	4,000.00	6.00	3.20	38,400.00	cum	
	swelling Factor @ 40%					15,360.00	cum	
					TOTAL	53,760.00	cum	
2	Muck used in Construction Work							
	1) Retaining Walls	1x1	1800.00	(1.93+0.60)/2	4.00	9,108.00	cum	
	2) Breast Walls	1x1	1600.00	(0.90+0.60)/2	1.80	2,160.00	cum	
	3) Construction of scupper	1x8	148.36	-	-	1,186.88	cum	
	4) Filling wirecrates for dumping yard					3,307.50	cum	
					Total solid	15,762.38	cum	
	swelling Factor @ 40 %					6,304.95	cum	
					TOTAL	22,067.33	cum	
	5) HP Stone Filling	1x1/2	1800.00	1.00	4.00	3,600.00	cum	
	6) Solling Work	1x1	4000.00	4.05	0.15	2,430.00	cum	
	7) Making Subgrade	1x1	4000.00	6.00	(0.00+0.30)/2	3,600.00	cum	
	8) Loss during construction (By excavator & tipper)	1x1/2	4000.00	2.25	1.16	5,220.00	cum	
					Total solid	36,917.33	cum	
	9) Natural disposal due to Rain and steep slope (10%)					5,376.00	cum	
		Total persent of qty					42,293.33	cum
		∴ Muck Reused for Road Construction, Say					42,293.00	cum
		Balance qty for required disposal					11,467.00	cum
	Qty in cum					11,467.00	cum	

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NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

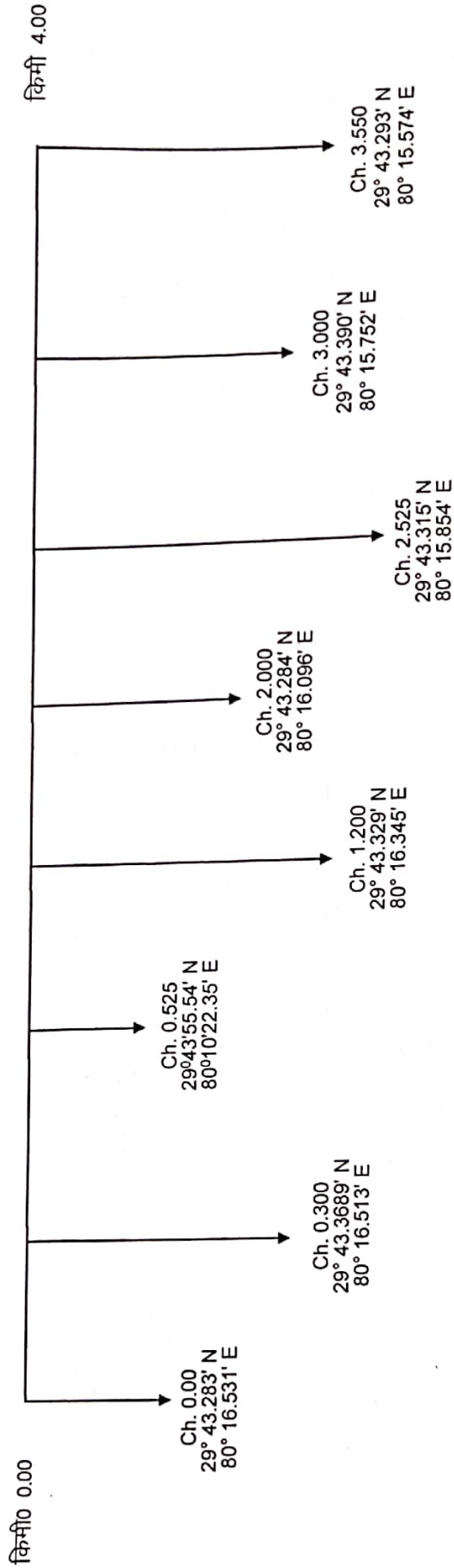
Sl.No.	Location of dumping yard	Size of dumping yard					Capacity of dumping yard(Cum)	Type of land	Remark
		1 x	0.5	30.00	15.00	6.00			
1	Ch. 0/0 on this alignment	1	x	0.5	30.00	15.00	6.00	1350.00	Civil land
2	Ch. 0/12 on this alignment	1	x	0.5	50.00	20.00	3.00	1500.00	Nap land
3	Ch.2/21 on this alignment	1	x	0.5	40.00	15.00	3.00	900.00	Nap land
4	Ch. 1/8 on this alignment	1	x	0.5	65.00	30.00	3.00	2925.00	Nap land
5	Ch. 2/0 on this alignment	1	x	0.5	30.00	15.00	3.00	675.00	Nap land
6	Ch. 2/21 on this alignment	1	x	0.5	50.00	25.00	3.00	1875.00	Nap land
7	Ch. 3/0 on this alignment	1	x	0.5	30.00	20.00	3.00	900.00	Nap land
8	Ch. 3/22 on this alignment	1	x	0.5	40.00	30.00	3.00	1800.00	Nap land
							Total	11925.00	

Summary of Debris Disposal

Sl. No.	Total Debris	Reused material for road construction	Total quantity of muck to be disposed	Total capacity of dumping yards	Balance Debris
1	53,760.00	42,293.00	11,467.00	11,925.00	Nil

NAME OF WORK - DUMPING YARD WORKS OF BANDERLEEMA HARKHOLA MOTOR ROAD .

मलवे निस्तारण हेतु लाइन डायग्राम
निस्तारित बिन्दु



कनिष्ठ अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट

सहायक अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट

अधिशासी अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट

D.Y-1 K.M-1 (Ch-0/0)

29° 43.283'N 80° 16.531'E



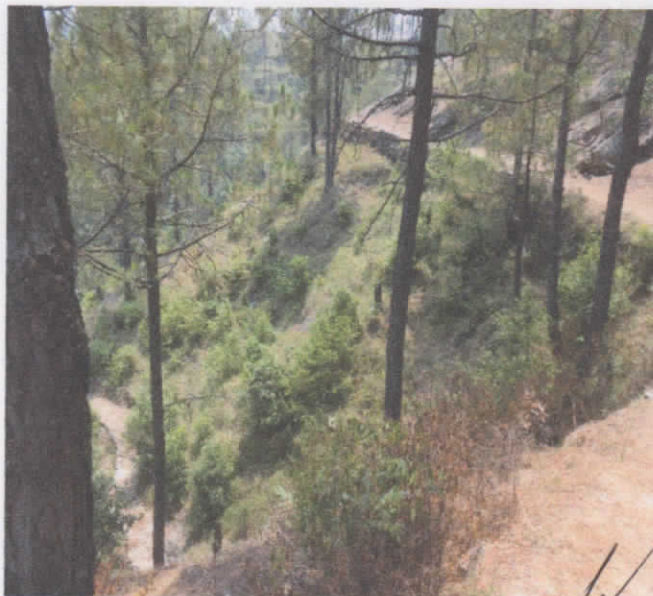
D.Y-2 K.M-1 (Ch-0/12)

29° 43.368'N 80° 16.513'E



D.Y-3 K.M-1 (Ch-0/21)

29° 43.329'N 80° 16.345'E



D.Y-4 K.M-2 (Ch-1/8)

29° 43.284'N 80° 16.096'E



सहायक अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिथौरागढ़)

Khalil
ज.ई

सहायक अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिथौरागढ़)

महेश चन्द्र
राजस्व उपनिरीक्षक
गद्दी इन्चोला तहसील कालीडीहा

सहायक अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिथौरागढ़)

कनालोधीना (पिथौरागढ़)
वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र

D.Y-5 K.M-2 (Ch-2/0)

29° 43.315'N 80° 15.854'E



D.Y-6 K.M-3 (Ch-2/21)

29° 43.373'N 80° 15.793'E



D.Y-7 K.M-3 (Ch-3/0)

29° 43.390'N 80° 15.752'E



D.Y-8 K.M-4 (Ch-3/20)

29° 43.293'N 80° 15.574'E



ब्रह्मगीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

Kehali
J.B

महेश
राजस्व उपनिरीक्षक
पर्यटन एवं कलादीन

सहायक अभियन्ता
निर्माण खण्ड ला.नि.वि.
अस्कोट (पिथौरागढ़)

Mhander
तहसीलदार
कगालोछीना (पिथौरागढ़)

अभियन्ता
निर्माण खण्ड, ला. नि. वि.
अस्कोट (पिथौरागढ़)

वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र