

MUCK DISPOSAL PLAN

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta
Gangaseri motor road (length =4.00 km)

Sr no	Discription of Item	Quantity	Unit	Remark
	Material recived from hill site cutting			
1	1/2x4000x3x3=	18000.00	cum	
2	add 20% for swell factor	3600.00	cum	
3	Total quantity for disposal	21600.00	cum	

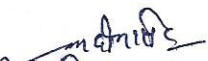
Reuse and disposal of material

1	RR stone masonry laid in 1:6 cement and sand mortar for Retaining wall 25% of total material	5400.00	cum	
2	RR stone masonry laid dry for Breast wall 25% of total material	5400.00	cum	
3	Hand packed Stone filling Behind Retaing wall and Breast wall 30% of R/wall and breast=(a+b)x30%	3240.00	cum	
4	Construction of wire crate Total quantity used in Dumping yard	3172.50	cum	
5	Construction of parapet (1x100x3x3x0.4 5x0.60)=	162.00	cum	
6	Granular sub base (1x3x400x4.15x0.12)=	597.60	cum	
7	Improvement of Road grade (1x3x200x6x0.50)	1800.00	cum	
	Total material used	19772.10	cum	
	material disposed by cartage to dumping yards	1827.90	cum	


Junior Engineer
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Assistant Engineer
Pro. Div. P.W.D
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(जगदीश सिंह वि०२)
वन विभाग
सोहीखंड जलिया


Sub. Divisional Officer
Pithoragarh


Sub. Divisional Officer
Didihat
Pithoragarh Forest Divi.

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Details of Muck Disposal Yards with Land Owner Detail

Sr. no	Chainage	Name of Land owner	Land in Hect	Land in Sqm	Land area being used for dumping yard(sqm)	Latitude	Longitude
1	Ch.-0.125 to-0.060	Civil Land (Uttarakhand Govt.)	0.0195	195.00	195.00	29°38'23.09"N	80° 15'6.47"E
2	Ch. 1.180 to 1.260	Nap Land (Uttarakhand Govt.)	0.0240	240.00	240.00	29°38'58.02"N	80° 15'0.44"E
3	Ch. 1.860 to 1.950	Van Panchayat (Uttarakhand Govt.)	0.0270	270.00	270.00	29°39'9.37"N	80° 15'15.21"E
4	Ch. 3.360 to 3.440	Nap Land (Uttarakhand Govt.)	0.0705	705.00	705.00	29°39'22.06"N	80° 15'4.05"E
		Total	0.0705	705.0000	705.0000		

(सहायक सचिव)
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Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangaseri motor road (length =4.00 km)

Summary of Debris disposal

Sr. no	Total debris	Reused material for road construction	Material disposed by Cartage	Total disposal in dumping zone	Balance debris
1	21600.00	19772.10	1827.90	1890.00	Nil

Location and quantity of debris for disposal

Sr. no	Location of dumping yards	Size of dumping yards	Type of land	Capacity of dumping yards	Remark
1	Ch.-0.125 to-0.060	65 x2x3	Civil Land (Uttarakhand Govt.)	390.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 1.180 to 1.260	80 x2x3	Nap Land (Uttarakhand Govt.)	480.00	मोटर मार्ग से प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch. 1.860 to 1.950	90 x2x3	Van Panchayat (Uttarakhand Govt.)	540.00	मलवा निस्तारण हेतु प्रयुक्त वन भूमि की चौड़ाई = 9.00-6.00 = 3.00 मी०
4	Ch. 3.360 to 3.440	80 x2x4	Nap Land (Uttarakhand Govt.)	480.00	
		235	Total	1890.00	


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(नगरपालिका सिद्ध विद्यालय)
कक्षा ८ (गणित)
सिद्ध विद्यालय


Sub. Divisional Officer
Pithoragarh

Muck Disposal Plan

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangaseri motor road
(length =4.00 km)

Summary of Results

1 The quantity of material received from hill side cutting :- (Sheet sttached on page no. 94 of Muck disposal estimate)	21600.00 cum
2 The quantity of material used in various items = (Sheet sttached on page no. 94 of Muck disposal estimate)	19772.10 cum
3 The remaining quantity of muck for dumping i/c swell factor (Sheet sttached on page no. 94 of Muck disposal estimate)	1827.90 cum
4 Numbers of dumping yards needed for the dumping of muck (i) In Civil Soyam Land = (ii) In Nap Land = (Sheet sttached on page no. 98 of Muck disposal estimate)	4 Nos nil Nos
5 Carring capacity of dumping yards with dimensions & coordinates	
	Area in hect 0.0705 Quantity
(i) In Civil Soyam Land =	390.00 cum
(ii) In Nap Land =	960 cum
(ii) In Van Panchayat =	540 cum
	1890.00 cum
(Sheet sttached on page no. 95 of Muck disposal estimate)	
6 Land ownership Reports (Nap Land) (Sheet sttached on page no. 99 of Muck disposal estimate)	
7 Amount for Construction of Dumping Yards (i) In Civil Soyam Land = (ii) In Nap Land = (ii) In Van Panchayat =	4.37 Lacs 10.76 Lacs 6.05 Lacs 21.19 Lacs
(Sheet sttached on page no. 90 & 92 of Muck disposal estimate)	
8 Cost of Vegetation Plantation in Civil Soyam Land = (Sheet sttached on page no. 93 of Muck disposal estimate)	3.75 Lacs
9 Total Amount in Civil Soyam Land = (i) Cost of construction of dumping Yards = (ii) Cost of Vegetation Plantation =	21.19 Lacs 3.75 Lacs
Add 2% for Incidental Charges	Total 24.94 0.50 Total 25.44

J.E.

Sub. Divisional Officer
Didihat
Pithoragarh Forest Divi

A.E.

E.E.

विद्योरागढ़

ब्रह्मगीय वन अधिकारी
विद्योरागढ़ वन प्रभाग
विद्योरागढ़

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangasari motor road (length = 4.00 km)

PROPOSAL PLAN FOR MUCK DUMPING

HILL SIDE

Breast Wall

ROW = 9.00 Mtr

KUD SIDE

ROAD WIDTH = 6.00 MT

WIDTH = 3.00 MT

Wire Crate

MUCK

Drain

महाराष्ट्र राज्य
पिथौरागढ़ वन विभाग
पिथौरागढ़

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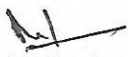
Analysis of Rates

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangaseri motor road
(length =4.00 km)

Name	Road & Bridge Uttarakhand	Year	2013-2014
Rate Card	Block 56 Pithoragarh (Munakot)	Effective Date	16/05/2014
1	11-1-1-1	Excavation in foundation for structure as per drawing and technical specification clause 305.1 including setting out construction of shorting and bracing, removal of stumps and other deleterious material and disposal up to 50mt, dressing of sides and bottom and backfilling in trenches with excavated material(ref 11.20-300)	
		Cum	237.50
2	16-9-1-2	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I. Wire conforming to IS : 280 & IS : 4826 in 100mm x 100mm mesh (woven diagonally) including 10% extra for laps and joints laid with stone boulders weighting not less than 25 Kg each as per drawing and technical specification of MoRD and as directed by Engineer in charge.	
		No	10011.50
		Say	1483.19
		Cum	756.10
3	Vegitative Plantation		


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Detail of Measurement

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangasari motor road
(length =4.00 km)

S. No.	Item	No	L (m)	B(m)	H(m)	QTY
1	Excavation in foundation for structure as per drawing and technical specification clause 305.1 including setting out construction of shorting and bracing, removal of stumps and other deleterious material and disposal up to 50mt, dressing of sides and bottom and backfilling in trenches with excavated material(ref 11.20-300)					
	Ch.-0.125 to -0.060	1x1/2	65.00	1.50	0.30	14.63 cum.
	Ch. 1.180 to 1.260	1x1/2	80.00	1.50	0.30	18.00 cum.
	Ch. 1.860 to 1.950	1x1/2	90.00	1.50	0.30	20.25 cum.
	Ch. 3.360 to 3.440	1x1/2	80.00	1.50	0.30	18.00 cum.
					G.Total	70.88 cum.
2	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I. Wire conforming to IS : 280 & IS : 4826 in 100mm x 100mm mesh (woven diagonally) including 10% extra for laps and joints laid with stone boulders weighting not less than 25 Kg each as per drawing and technical specification of PWD and as directed by Engineer in charge					
	Ch.-0.125 to -0.060	1x2	65.00	1.50	1.50	292.50 cum.
	Ch. 1.180 to 1.260	1x2	80.00	1.50	1.50	360.00 cum.
	Ch. 1.860 to 1.950	1x2	90.00	1.50	1.50	405.00 cum.
	Ch. 3.360 to 3.440	1x2	80.00	1.50	1.50	360.00 cum.
					G.Total	1,417.50 cum.
3	Vegetation Plantation .					


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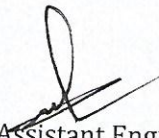

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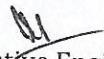
Bill of Quantity

Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta Gangasari motor road (length =4.00 km)

Sl. No	Item of work	Quantity	Unit	Rate	Amount
1	Excavation in foundation for structure as per drawing and technical specificastion clause 305.1 including setting out construction of shorting and bracing, removal of stumps and other deleterious material and disposal up to 50mt,dressing of sides and bottom and backfilling in trenches with excavated material(ref 11.20-300)	70.88	cum.	237.50	16834.00
2	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I. Wire conforming to IS : 280 & IS : 4826 in 100mm x 100mm mesh (woven diagonally) including 10% extra for laps and joints laid with stone boulders weighting not less than 25 Kg each as per drawing and technical specification of PWD and as directed by Engineer in charge.	1,417.50	cum.	1483.19	2102421.83
				Total	2119255.83
3	Vegetation Plantation .	1.00	Job	375000.00	375000.00
				Total	2494255.83
	Add 2% for Incidental Charges				49885.12
				Total	2544140.95


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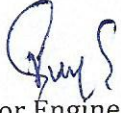

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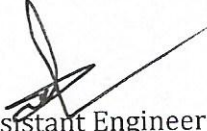

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़

Summary of Estimated Cost

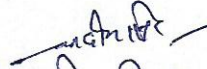
Name of work :- Muck disposal Plan for Construction of Naghar to Kumalta
Gangaseri motor road (length =4.00 km)

S.No.	Description	Amount In Lacs
1-	Muck disposal Plan for Construction of Naghar to Kumalta Gangaseri motor road (length =4.00 km)	2544140.95
	Total	2544140.95
	Say	25.44 Lacs


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वन विभाग
सोडलेख अड्डा


ज. वि. न. सि. वि. वि. वि.
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Sub. Divisional Officer
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पिथौरागढ़ वन विभाग
पिथौरागढ़

— नाथर के कुमालवा के गेगासरी मो० मो० - 4km

Photo no - (1)



Muck disposal no - 1 , $29^{\circ}38'23.09''N$
 $80^{\circ}15'6.47''E$

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Photo no - (2)



Muck disposal no - 2 , $29^{\circ}38'58.02''N$
 $80^{\circ}15'0.44''E$

समागीय वन अधिकारी
पिथौरागढ़ वन इकाई
पिथौरागढ़

अधिरासी अभियंता
पिथौरागढ़, खण्ड, लो मो
पिथौरागढ़

JE. AE

4/6

24
वन क्षेत्र अधिकारी
पिथौरागढ़

नाथर कुमलता के गोमालरी मो. पं० = 4 Km

Photo no-3



Muck disposal no-3, $29^{\circ}39'9.33''N$
 $80^{\circ}15'15.21''E$

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Pithoragarh Forest Divi.

Photo no-4



Muck disposal no-4, $29^{\circ}39'22.06''N$
 $80^{\circ}15'4.05''E$

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़

अधिरासी अभियन्ता
प्रान्तीय, खण्ड, लो० नि
पिथौरागढ़

J.E.

A.E.

मन्त्रि
अ.ग

वन क्षेत्र अधिकारी
पिथौरागढ़