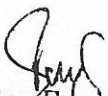


MUCK DISPOSAL PLAN

no	Discription of Item	Quantity	Unit	Remark
	Material recived from hill site cutting			
1	1/2x3000x3x3=	13500.00	cum	
2	add 20% for swell factor	2700.00	cum	
3	Total quantity for disposal	16200.00	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	4050.00	cum	
2	RR stone masonry laid dry for Breast wall 25% of total material	4050.00	cum	
3	Hand packed Stone filling Behind Retaing wall and Breast wall 30% of R/wall and breast=(a+b)x30%	2430.00	cum	
4	Construction of wire crate Total quantity used in Dumping yard	2160.00	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	15249.60	cum	
	material disposed by cartage to dumping yards	950.40	cum	


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Pro. Div. P.W.D
Pithoragarh


Sub. Divisional Officer
Didihat
Pithoragarh Forest Divi.


वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal motor road (length =3.00 km)

Details of Muck Disposal Yards with Land Owner Detail

Chainage	Name of Land owner	Land in Hect	Land in Sqm	Land area being used for dumping yard(sqm)	Latitude	Longitude
Ch. 0.050 to 0.100	Nap Land (Uttarakhand Govt.)	0.0150	150.00	150.00	29°41'27.83"N	80° 12'21.38"E
Ch. 0.880 to 0.930	Nap Land (Uttarakhand Govt.)	0.0150	150.00	150.00	29°41'15.81"N	80° 12'22.90"E
Ch. 2.150 to 2.750	Nap Land (Uttarakhand Govt.)	0.0180	180.00	180.00	29°41'5.95"N	80° 12'8.24"E
	Total	0.0480	480.0000	480.0000		


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Sub. Divisional Officer,
Diphret,
Pithoragarh, Forest Divis.


Sub. Divisional Officer,
Diphret, P.W.D

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal motor road (length =3.00 km)

Summary of Debris disposal

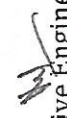
Sr. no	Total debris	Reused material for road construction	Material disposed by Cartage	Total disposal in dumping zone	Balance debris
1	16200.00	15249.60	950.40	960.00	Nil

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. 0.050 to 0.100	50 x2x3	Nap Land (Uttarakhand Govt.)	300.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 0.880 to 0.930	50 x2x3	Nap Land (Uttarakhand Govt.)	300.00	मोटर मार्ग में प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch. 2.150 to 2.750	60 x2x3	Nap Land (Uttarakhand Govt.)	360.00	मलवा निस्तारण हेतु प्रयुक्त वन भूमि की चौड़ाई = 9.00-6.00 = 3.00 मी०
		160	Total	960.00	


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Sub. Divisional Officer
Pithoragarh Forest Divl.
Dindhat


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Muck Disposal Plan

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling
Thal motor road (length =3.00 km)

Summary of Results

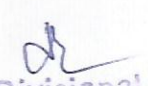
1 The quantity of material received from hill side cutting -= (Sheet sttached on page no. 94 of Muck disposal estimate)	16200.00 cum
2 The quantity of material used in various items = (Sheet sttached on page no. 94 of Muck disposal estimate)	15249.60 cum
3 The remaining quantity of muck for dumping i/c swell factor (Sheet sttached on page no. 94 of Muck disposal estimate)	950.40 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)	nil Nos 3.00 Nos
5 Carring capacity of dumping yards with dimensions & coordinates Area in hect0.048Quantity (i) In Civil Soyam Land =0.00 cum (ii) In Nap Land =960.00 cum 960.00 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 = (Sheet sttached on page no. 90 & 92 of Muck disposal estimate)	0.00 Lacs 10.91 Lacs
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 =	10.91 Lacs 3.75 Lacs
Add 2% for Incidental Charges	Total14.66 0.29 Total14.95


J.E.


A.E.


E.E.

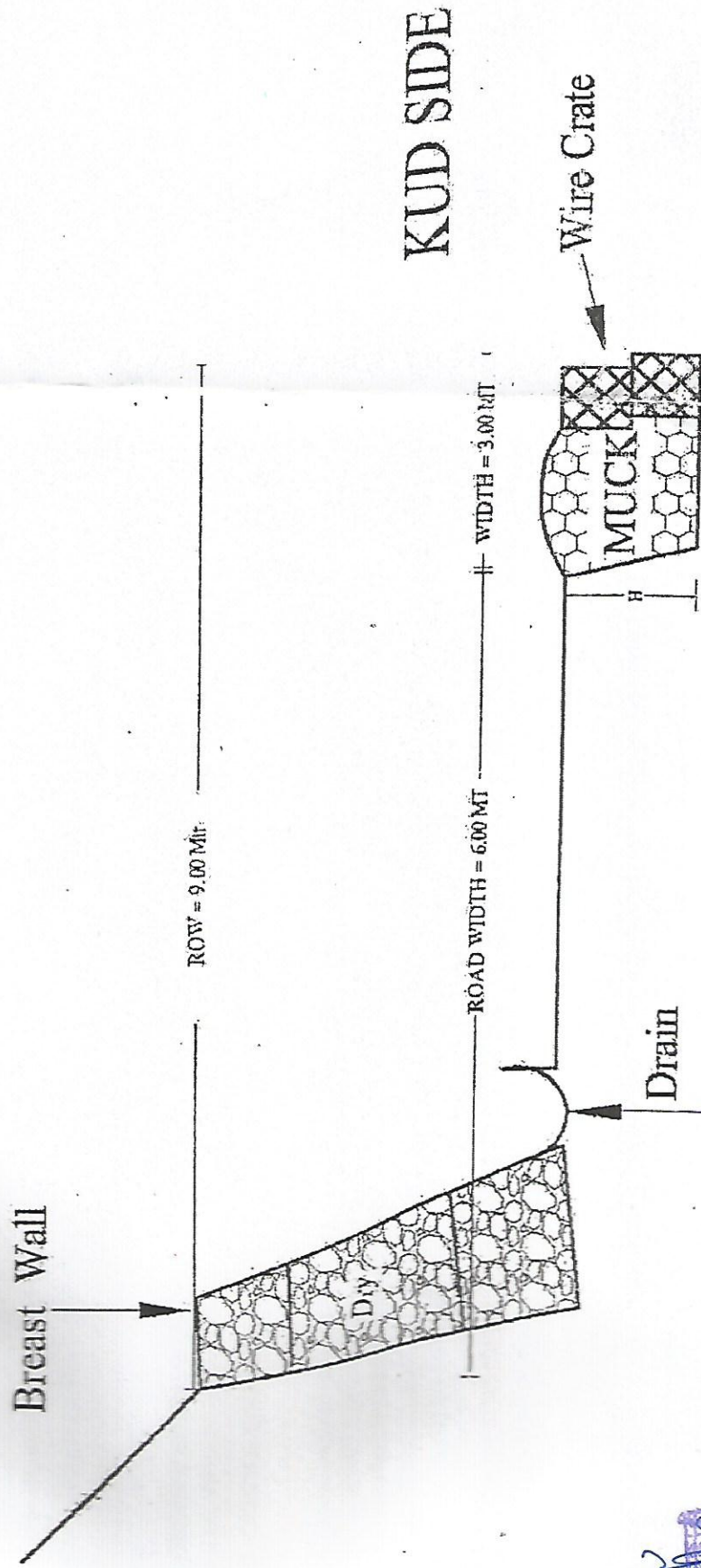
ग्रामीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़


Sub. Divisional Officer
Didihat
Pithoragarh Forest Divi


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डीडीहाट वन क्षेत्र

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal motor road (length = 3.00 km)

HILL SIDE PROPOSAL PLAN FOR MUCK DUMPING



सीमा नम कर्मिणी
रामकोत नम मालिका
पिथोरागढ

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Pithoragarh

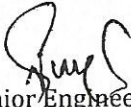
Assistant Engineer
Pro. Div. P.W.D.
Pithoragarh

Executive Engineer
Pro. Div. P.W.D.
Pithoragarh

Analysis of Rates

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal
motor road (length =3.00 km)

Name		Road & Bridge Uttarakhand	Year	2013-2014
Rate Card		Block 56 Pithoragarh (Kanalichhina)	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	243.50
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	10147.20
			Say	1503.29
3		Vegitative Plantation	Cum	756.10
				Cum


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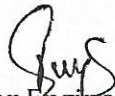

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Pithoragarh

Detail of Measurement

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal
motor road (length =3.00 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. 0.050 to 0.100	1x1/2	50.00	1.50	0.30	11.25 cum.
	Ch. 0.880 to 0.930	1x1/2	50.00	1.50	0.30	11.25 cum.
	Ch. 2.150 to 2.750	1x1/2	60.00	1.50	0.30	13.50 cum.
					G.Total	36.00 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. 0.050 to 0.100	1x2	50.00	1.50	1.50	225.00 cum.
	Ch. 0.880 to 0.930	1x2	50.00	1.50	1.50	225.00 cum.
	Ch. 2.150 to 2.750	1x2	60.00	1.50	1.50	270.00 cum.
					G.Total	720.00 cum.
3	Vegetation Plantation .					

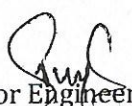

 Junior Engineer
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Bill of Quantity

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling
Thal motor road (length =3.00 km)

Sl. No	Item of work	Quantity	Unit	Rate	Amount
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)	36.00	cum.	243.50	8766.00
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.	720.00	cum.	1503.29	1082368.80
				Total	1091134.80
3	Vegitation Plantation .	1.00	Job	375000.00	375000.00
				Total	1466134.80
	Add 2% for Incidental Charges				29322.70
				Total	1495457.50


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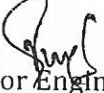

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Pithoragarh


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Pro. Div. P.W.D.
Pithoragarh

Summary of Estimated Cost

Name of work :- Muck disposal Plan for Construction of Ramkot to Pattharkot
M/R of Satsiling Thal motor road (length =3.00 km)

S.No.	Description	Amount In Lacs
1-	Muck disposal Plan for Construction of Ramkot to Pattharkot M/R of Satsiling Thal motor road (length =3.00 km)	1495457.50
	Total	1495457.50
	Say	14.95 Lacs


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Pithoragarh Forest Divi.

अभिजात वन प्रभाग नं. ३ रु.

Photo no-1



Muck disposal no-1, $29^{\circ}41'27.83''N$
 $80^{\circ}12'21.38''E$

Sub. Divisional Officer
Didihat
S. P. Singh Forest Div.

Photo no-2



अभिजात वन प्रभाग नं. ३ रु.
विशेषाधिकार वन प्रभाग
विशेषाधिकार

अभिजात वन प्रभाग नं. ३ रु.
विशेषाधिकार वन प्रभाग
विशेषाधिकार

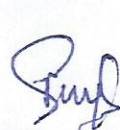
Muck disposal no-2, $29^{\circ}41'15.81''N$
 $80^{\circ}12'22.90''E$

दापकोट के पोथरा कोट नं० नं० - 3 Km

Photo no 3



Muck disposal - 3, $29^{\circ}41'5-95^{\circ}N$
 $80^{\circ}12'8-24^{\circ}E$

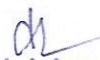

J.E.


N.E.


अधिसारी अभियन्ता
पिथौरागढ़, लो० वि० वि०
पिथौरागढ़


प्रदेशीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़


वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र


Sub. Divisional Officer
Didihat
Pithoragarh Forest Divi.