


MUCK DISPOSAL PLAN


Name of work :- Muck disposal Plan for Construction of Kanalichhina to Lwanthi motor road (length =3.00 km)

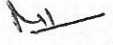
Sr no	Discription of Item	Quantity	Unit	Remark
	Material recived from hill site cutting			
1	1/2x3000x3x3=	13500.00	cum	
2	add 20% for swell factor	2700.00	cum	
3	Total quantity for disposal	16200.00	cum	


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	


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


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


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



वन क्षेत्र अधिकारी
डी.डी.एच वन क्षेत्र



Sub. Divisional Officer
Didihat
Pithoragarh Forest Divl.


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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. 0.360 to 0.400	Civil Land (Uttarakhand Govt.)	0.0120	120.00	120.00	29°40'45.87"N	80°16'11.85"E
2	Ch. 1.000 to 1.050	Civil Land (Uttarakhand Govt.)	0.0150	150.00	150.00	29°40'58.34"N	80°16'3.53"E
3	Ch. 2.000 to 2.070	Civil Land (Uttarakhand Govt.)	0.0210	210.00	210.00	29°41'2.23"N	80°15'46.07"E
		Total	0.0480	480.0000	480.0000		


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


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


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Pro. Div. P.W.D
Pithoragarh


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डीडीआर वन क्षेत्र


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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. 0.360 to 0.400	40 x2x3	Civil Land (Uttarakhand Govt.)	240.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 1.000 to 1.050	50 x2x3	Civil Land (Uttarakhand Govt.)	300.00	मोटर मार्ग में प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch. 2.000 to 2.070	70 x2x3	Civil Land (Uttarakhand Govt.)	420.00	मलगा निस्सारण हेतु प्रयुक्त वन भूमि की चौड़ाई = 9.00-6.00 = 3.00 मी०
		160	Total	960.00	

वन क्षेत्र अधिकारी
दीर्घास वन क्षेत्र

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Pro. Div. P.W.D
Pithoragarh

Sub. Divisional Officer
Didihat
Pithoragarh Forest Divl.

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Pithoragarh

Muck Disposal Plan

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(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)	3 Nos NIL Nos
5 Carring capacity of dumping yards with dimensions & coordinates Area in hect 0.048 Quantity	
(i) In Civil Soyam Land =	960.00 cum
(ii) In Nap Land =	0.00 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)	10.91 Lacs 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	Total 14.66 0.29 Total 14.95



J.E.


Sub. Divisional Officer
Didihat
Pithoragarh Forest Divl.


A.E.


E.E.

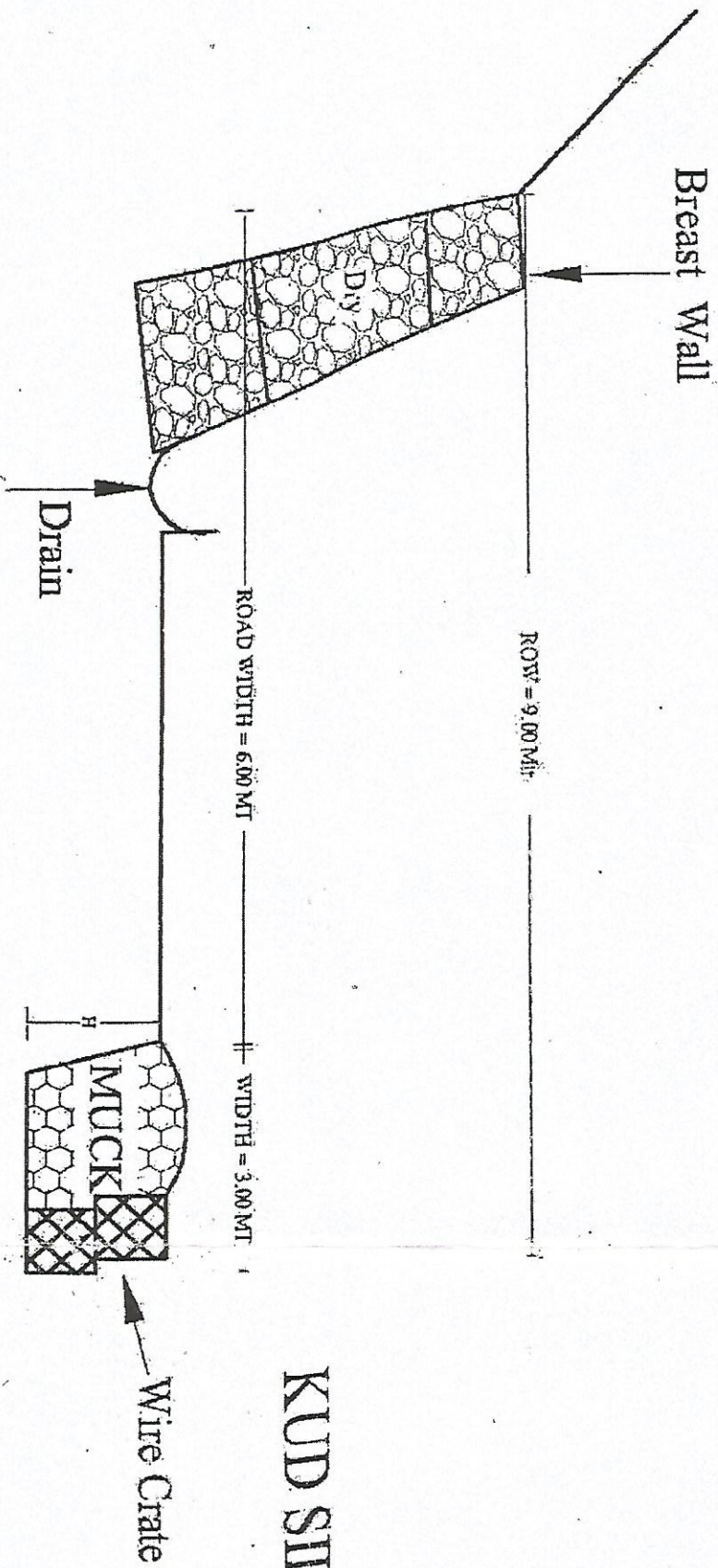

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प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

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HILL SIDE

PROPOSAL PLAN FOR MUCK DUMPING



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पिथोरगढ़ वन विभाग
पिथोरगढ़

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Pithoragarh

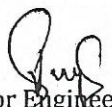
Assistant Engineer
Pro. Div. P.W.D
Pithoragarh


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


Analysis of Rates

Name of work :- Muck disposal Plan for Construction of Kanalichhina to Lwanthi 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	<div style="display: flex; justify-content: space-between;"> <div>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)</div> <div> Cum 243.50 Cum </div> </div>	
2	16-9-1-2		
		<div style="display: flex; justify-content: space-between;"> <div>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.</div> <div> No 10147.20 No Say 1503.29 Cum Cum 756.10 Cum </div> </div>	
3	Vegitative Plantation		



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 Pithoragarh


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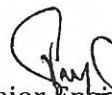

 Sub. Divisional Officer
 Didihat
 Pithoragarh Forest Divi.



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Detail of Measurement

Name of work :- Muck disposal Plan for Construction of Kanalichhina to Lwanthi 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. 0.360 to 0.400	1x1/2	40.00	1.50	0.30	9.00 cum.
	Ch. 1.000 to 1.050	1x1/2	50.00	1.50	0.30	11.25 cum.
	Ch. 2.000 to 2.070	1x1/2	70.00	1.50	0.30	15.75 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. 0.360 to 0.400	1x2	40.00	1.50	1.50	180.00 cum.
	Ch. 1.000 to 1.050	1x2	50.00	1.50	1.50	225.00 cum.
	Ch. 2.000 to 2.070	1x2	70.00	1.50	1.50	315.00 cum.
					G.Total	720.00 cum.
3	Vegetation Plantation .					



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 Pithoragarh


Bill of Quantity

Name of work :- Muck disposal Plan for Construction of Kanalichhina to Lwanthi motor road
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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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
Summary of Estimated Cost

Name of work :- Muck disposal Plan for Construction of Kanalichhina to Lwanthi motor road (length =3.00 km)


S.No.	Description	Amount In Lacs
1-	Muck disposal Plan for Construction of Kanalichhina to Lwanthi motor road (length =3.00 km)	1495457.50
	Total	1495457.50
	Say	14.95 Lacs

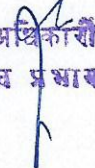

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पिथौरागढ़ वन प्रभाग

जनसंख्या के लिये न.मं. - 3 Km

Photo no-1



Muck disposal no-1, $29^{\circ}40'45.87''N$
 $80^{\circ}16'11.85''E$

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Didihat
Pithoragarh Forest Divi.

Photo no-2



Muck disposal no-2, $29^{\circ}40'58.34''N$
 $80^{\circ}16'3.53''E$

समाग्य वन अधिकारी
पिथौरागढ़ वन प्रभाग

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डीडीहाट वन क्षेत्र

अधिराज्य अधिकारी
पिथौरागढ़, लो नो वि
पिथौरागढ़

J.E.

A.E.

कमलवाटीन १ कि.मी. दूर १.५० - ३ Km

Photo-3



Muck disposal-3 , $25^{\circ}41'2.23''N$
 $80^{\circ}15'46.07''E$

Geys
T.E.

A.E.

N
पिथौरागढ़ी अभियन्ता
पिथौरागढ़, जलो निल निरी
पिथौरागढ़

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डीडीहाट वन क्षेत्र

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