

MUCK DISPOSAL PLAN

**Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar
to Wokta motor road (length =10.00 km)**

Sr no	Discription of Item	Quantity	Unit	Remark
	Material recived from hill site cutting			
1	1/2x10000x3x3=	45000.00	cum	
2	add 20% for swell factor	9000.00	cum	
3	Total quantity for disposal	54000.00	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	13500.00	cum	
2	RR stone masonry laid dry for Breast wall 25% of total material	13500.00	cum	
3	Hand packed Stone filling Behind Retaing wall and Breast wall 30% of R/wall and breast=(a+b)x30%	8100.00	cum	
4	Construction of wire crate Total quantity used in Dumping yard	9450.00	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	47109.60	cum	
	material disposed by cartage to dumping yards	6890.40	cum	


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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. 0.300 to 0.500	Civil Land (Uttarakhand Govt.)	0.0600	600.00	600.00	29°44'32.85"N	80° 8'8.95"E
2	Ch. 2.250 to 2.500	Civil Land (Uttarakhand Govt.)	0.0750	750.00	750.00	29°44'18.34"N	80° 8'34.54"E
3	Ch. 3.850 to 4.100	Civil Land (Uttarakhand Govt.)	0.0750	750.00	750.00	29°43'42.55"N	80° 8'37.83"E
4	Ch. 5.580 to 5.800	Civil Land (Uttarakhand Govt.)	0.2100	2100.00	2100.00	29°43'42.54"N	80° 9'13.22"E
5	Ch. 9.660 to 9.900	Civil Land (Uttarakhand Govt.)	0.0000	0.00	0.00	29°43'32.52"N	80° 9'4.60"E
Total			0.2100	2100.0000	2100.0000		


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Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 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	54000.00	47109.60	6890.40	6960.00	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. 0.300 to 0.500	200 x2x3	Civil Land (Uttarakhand Govt.)	1200.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 2.250 to 2.500	250 x2x3	Civil Land (Uttarakhand Govt.)	1500.00	मोटर मार्ग में प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch. 3.850 to 4.100	250 x2x3	Civil Land (Uttarakhand Govt.)	1500.00	मलवा निस्तारण हेतु प्रयुक्त वन भूमि की चौड़ाई = 9.00-6.00 = 3.00 मी०
4	Ch. 5.580 to 5.800	220 x2x4	Civil Land (Uttarakhand Govt.)	1320.00	
5	Ch. 9.660 to 9.900	240 x2x5	Civil Land (Uttarakhand Govt.)	1440.00	
		700	Total	6960.00	


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Muck Disposal Plan

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 km)

Summary of Results

1 The quantity of material received from hill side cutting :- (Sheet sttached on page no. 94 of Muck disposal estimate)	54000.00 cum
2 The quantity of material used in various items = (Sheet sttached on page no. 94 of Muck disposal estimate)	47109.60 cum
3 The remaining quantity of muck for dumping i/c swell factor (Sheet sttached on page no. 94 of Muck disposal estimate)	6890.40 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)	5.00 Nos nil Nos
5 Carring capacity of dumping yards with dimensions & coordinates	
	Area in hect 0.21 Quantity
(i) In Civil Soyam Land =	6960.00 cum
(ii) In Nap Land =	0 cum
	6960.00 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)	79.10 Lacs 0 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 =	79.10 Lacs 3.75 Lacs
Add 2% for Incidental Charges	Total 82.85 1.66 Total 84.51


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ब्रह्मर्षीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 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

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Analysis of Rates

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 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		Cum	756.10
			Cum


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Detail of Measurement

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road
(length =10.00 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. 0.300 to 0.500	1x1/2	200.00	1.50	0.30	45.00 cum.
	Ch. 2.250 to 2.500	1x1/2	250.00	1.50	0.30	56.25 cum.
	Ch. 3.850 to 4.100	1x1/2	250.00	1.50	0.30	56.25 cum.
	Ch. 5.580 to 5.800	1x1/2	220.00	1.50	0.30	49.50 cum.
	Ch. 9.660 to 9.900	1x1/2	240.00	1.50	0.30	54.00 cum.
					G.Total	261.00 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. 0.300 to 0.500	1x2	200.00	1.50	1.50	900.00 cum.
	Ch. 2.250 to 2.500	1x2	250.00	1.50	1.50	1125.00 cum.
	Ch. 3.850 to 4.100	1x2	250.00	1.50	1.50	1125.00 cum.
	Ch. 5.580 to 5.800	1x2	220.00	1.50	1.50	990.00 cum.
	Ch. 9.660 to 9.900	1x2	240.00	1.50	1.50	1080.00 cum.
					G.Total	5,220.00 cum.
3	Vegitation Plantation .					


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Bill of Quantity

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta
motor road (length =10.00 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)	261.00	cum.	243.50	63553.50
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.	5,220.00	cum.	1503.29	7847173.80
				Total	7910727.30
3	Vegetation Plantation .	1.00	Job	375000.00	375000.00
				Total	8285727.30
	Add 2% for Incidental Charges				165714.55
				Total	8451441.85


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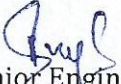

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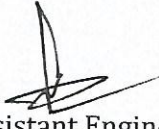

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Summary of Estimated Cost

Name of work :- Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 km)

S.No.	Description	Amount In Lacs
1-	Muck disposal Plan for Construction of Bhandari Gaoun Rajwar to Wokta motor road (length =10.00 km)	8451441.85
	Total	8451441.85
	Say	84.51 Lacs


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प्रभागीय वन अधिकारी
नियोज्य वन प्रभाग

भण्डारी गाँव राजार वीकटा घुराली मोटर मार्ग, लांबोई - 10.00 Km

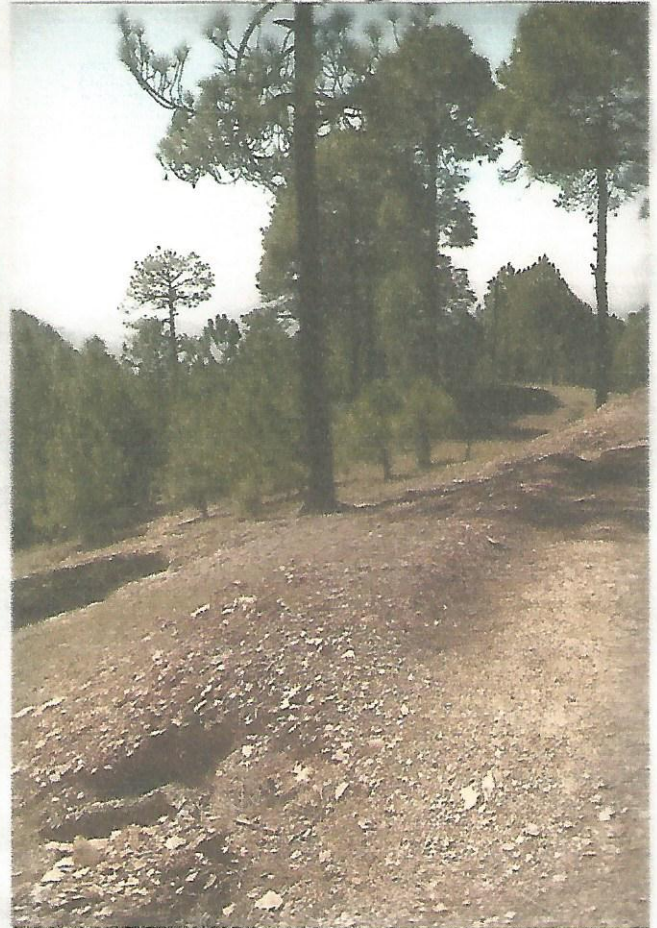
Photo no-3



Muck disposal no-3

$29^{\circ}43'42.55''N$
 $80^{\circ}8'37.83''E$

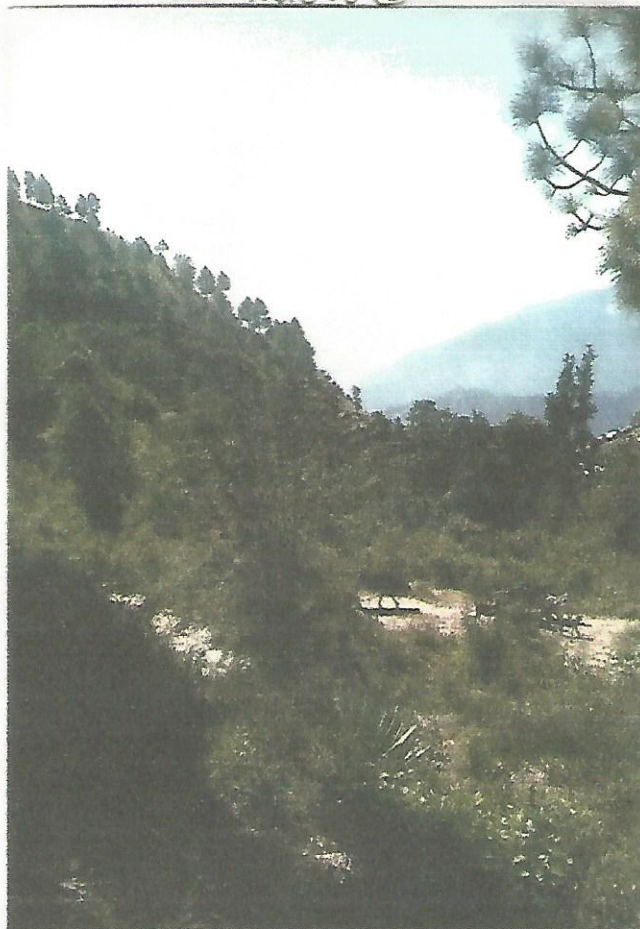
Photo no-4



Muck disposal no-4

$29^{\circ}43'42.54''N$
 $80^{\circ}9'13.22''E$

Photo no-5



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Muck disposal no-5

$29^{\circ}43'32.52''N$
 $80^{\circ}9'4.60''E$

राज्यीय वन अधिकारी
पिथौरागढ़ वन विभाग

J.E.

A.E.

अधिरासी अभियन्ता
मौलिक खण्ड, लोड नो 10
पिथौरागढ़

वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र

- भण्डारा गाँव राजवार चौकला धुराला भेद मार्ग । लम्बाई - 10.00 Km.

Photo no - ①



Muck disposal no-1

29°44'32.85"N 80°8'8.95"E

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Photo no-②



Muck disposal no-2

29°44'18-34"N 80°8'34.54"E

प्रदेशीय वन अधिकारी
पिथौरागढ़ वन विभाग

अधिशारी अभियन्ता
प्रदेशीय वन विभाग, जोड़ नि
पिथौरागढ़

T.E.

A.E.

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डीडीहाट वन क्षेत्र