

परियोजना का नाम:- जनपद पिथौरागढ़ के विधान सभा क्षेत्र पिथौरागढ़ के विकासखण्ड मूनाकोट में माड़ मर्सोली मोटर मार्ग का संगठन तक विस्तार कार्य।

मलवा निस्तारण हेतु प्रमाण पत्र

मलवा निस्तारण योजना इस मार्गदर्शिका के परिषिष्ट में दिये माडल के अनुसार ही तैयार की जानी है। तथा मलवा निस्तारण हेतु कोई अन्य नाप भूमि नहीं ली गई है।

ह0
प्रदेशीय अभियान
प्रदेशीय जेनसीड लोडिंग
पिथौरागढ़

जनपद विकास
पिथौरागढ़

ह0
प्रभागीय वनाधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़

UTTARAKHAND

LOK NIRMAN VIBHAG

3rd CIRCLE P.W.D. PITHORAGARH

PROVINCIAL DIVISION P.W.D

PITHORAGARH

***Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar
Road State Sector (length 4.375km)***

ESTIMATED COST 66.19 LAC**LIST OF OFFICERS**

Sl. NO.	NAME	DESIGNATION	FULL SIGNATURE
1	Er. Deepak Tamta	J. Engineer	
3	Er. K.C. Joshi	Asstt. Engineer	
4	Er. Vandana Rawat	Jr. Engineer (T)	
5	Er. C.P. Singh	Executive. Engineer	

Specifications

***Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar
Road State Sector (length 4.375km)***

All the works shall be carried out as per detailed specifications of Public Works Department (Uttarakhand) and circulars issued by the Chief Engineer from time to time.



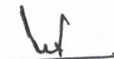
Junior Engineer

P.D.PWD Pithoragarh



Assistant Engineer

P.D.PWD, Pithoragarh



Executive Engineer

P.D.PWD Pithoragarh

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road State Sector (length 4.375km)

Sr no	Discription of Item	Quantity	Unit	Remark
1	Material recived from hill site cutting 1/2x4375x3x3=	19687.50	cum	
2	add 40% for swell factor	7875.00	cum	
3	Total quantity for disposal	27562.50	cum	

Reuse and disposal of material

1	RR stone masonry laid in 1:6 cement and sand mortar for Retaining wall 23% of total material	6339.38	cum	
2	RR stone masonry laid dry for Breast wall 23% of total material	6339.38	cum	
3	Hand packed Stone filling Behind Retaing wall and Breast wall 20% of R/wall and breast=(a+b)x20%	1267.88	cum	
4	Construction of wire crate Total quantity used in Dumping yard	3042.00	cum	
5	Construction of parapet (1x100x4x9x0.4 5x0.60)=	972.00	cum	
6	Granular sub base (4x4x400x4.15x0.12)=	3187.20	cum	
7	Improvement of Road grade (1x4x200x6x0.50)	2400.00	cum	
	Total material used	23547.83	cum	
	material disposed by cartage to dumping yards	4014.68	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

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road State Sector
(length 4.375km)

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. 0.000 to 0.150	State forest land (Uttarakhand Govt.)	0.0300	300.00	300.00	29°32'33.42"N	80°14'15.55"E
2	Ch. 0.400 to 0.529	State forest land (Uttarakhand Govt.)	0.0258	258.00	258.00	29°32'37.18"N	80°14'5.63"E
3	Ch. 1.125 to 1.275	State forest land (Uttarakhand Govt.)	0.0300	300.00	300.00	29°32'37.42"N	80°14'12.73"E
4	Ch.3.900 to 3.978	State forest land (Uttarakhand Govt.)	0.0156	156.00	156.00	29°32'39.57"N	80°13'21.59"E
		Total	0.1014	1014.0000	1014.0000		


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


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


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

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road State Sector (length 4.375km)

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	27562.50	23547.83	4014.68	4056.00	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. 0.000 to 0.150	300.00 x2x2	State forest land (Uttarakhand Govt.)	1200.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 0.400 to 0.529	258.00 x2x2	State forest land (Uttarakhand Govt.)	1032.00	मोटर मार्ग से प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch. 1.125 to 1.275	300.00 x2x2	State forest land (Uttarakhand Govt.)	1200.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
4	Ch. 3.900 to 3.978	156.00 x2x2	State forest land (Uttarakhand Govt.)	624.00	मोटर मार्ग से प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
		1014	Total	4056.00	


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


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


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

Muck Disposal Plan

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road
State Sector (length 4.375km)

Summary of Results

1 The quantity of material received from hill side cutting -= 27562.50 cum
(Sheet sttached on page no. of Muck disposal estimate)

2 The quantity of material used in various items = 23547.83 cum

3 The remaining quantity of muck for dumping i/c swell factor 4014.68 cum
(Sheet sttached on page no. of Muck disposal estimate)

4 Numbers of dumping yards needed for the dumping of muck

(i) In state forest land = 4.00 Nos

(ii) In Nap Land = nil Nos

(Sheet sttached on page no. of Muck disposal estimate)

5 Carring capacity of dumping yards with dimensions & coordinates

Area in hect 0.101 Quantity

In state forest land = 4056.00 cum

(ii) In Nap Land = 0 cum

4056.00 cum

(Sheet sttached on page no. of Muck disposal estimate)

6 Land ownership Reports (Nap Land)

(Sheet sttached on page no. of Muck disposal estimate)

7 Amount for Construction of Dumping Yards

(i) In state forest land = 60.52 Lacs

(ii) In Nap Land = 0 Lacs

(Sheet sttached on page no. of Muck disposal estimate)

8 Cost of Vegetation Plantation in Civil Soyam Land = 4.38 Lacs

(Sheet sttached on page no. of Muck disposal estimate)

9 Total Amount in Civil Soyam Land =

(i) Cost of construction of dumping Yards = 60.52 Lacs

(ii) Cost of Vegetation Plantation = 4.38 Lacs

Add 2% for Incidental Charges

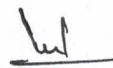
Total 64.90

Total 1.30

Total 66.20


J.E.


A.E.

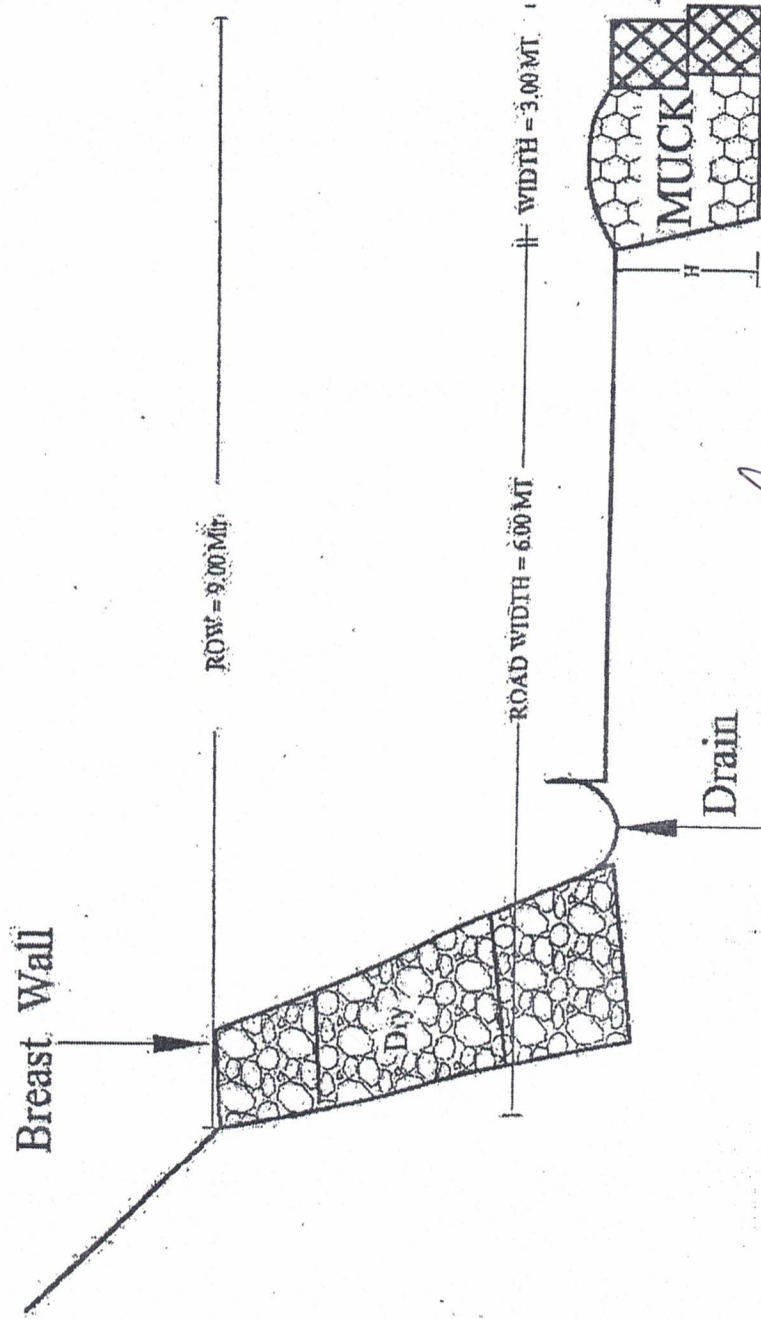

E.E.

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road State Sector (length 4.375km)

PROPOSAL PLAN FOR MUCK DUMPING

HILL SIDE

Breast Wall



KUD SIDE

Wire Crate

Drain

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

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

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

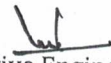
Analysis of Rates

**Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road
State Sector (length 4.375km)**

Name		Road & Bridge Uttarakhand	Year		2019-2020
Rate Card		Block 56 Pithoragarh (Munakot)	Effective Date		1/5/2019
1	1-2	Excavation in Foundation for retaining, breast wall etc. in all type of soil 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 specification			
			Cum	306.50	cum
2	1-7-1	Providing and laying of wire crate 3.00*1.50 in size with GI wire conforming to IS:280 & IS: 4826 in 150mm*150mm mesh laid with stone boulders, as per direction of engineer-in- charge.(As per PWD Uttarakhand Specifications)			
			Cum	1974.00	cum
		GI wire 10 Gauge BWG			
3		Vegitative Plantation	km	100000.00	km


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


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


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

Detail of Measurement

**Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road
State Sector (length 4.375km)**

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. 0.000 to 0.150	1x1/2	300.00	1.00	0.30	45.00 cum.
	Ch. 0.400 to 0.529	1x1/2	258.00	1.00	0.30	38.70 cum.
	Ch. 1.125 to 1.275	1x1/2	300.00	1.00	0.30	45.00 cum.
	Ch.3.900 to 3.978	1x1/2	156.00	1.00	0.30	23.40 cum.
					G.Total	152.10 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. 0.000 to 0.150	1x2	300.00	1.00	1.50	900.00 cum.
	Ch. 0.400 to 0.529	1x2	258.00	1.00	1.50	774.00 cum.
	Ch. 1.125 to 1.275	1x2	300.00	1.00	1.50	900.00 cum.
	Ch.3.900 to 3.978	1x2	156.00	1.00	1.50	468.00 cum.
					G.Total	3,042.00 cum.
3	Vegetation Plantation .					
						4.375 job


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


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

Bill of Quantity

Name Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar
Road State Sector (length 4.375km)

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)	152.10	cum.	306.50	46618.65
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.	3,042.00	cum.	1974.00	6004908.00
				Total	6051526.65
3	Vegitation Plantation .	4.375	Job	100000.00	437500.00
				Total	6489026.65
	Add 2% for Incidental Charges				129780.53
				Total	6618807.18


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


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


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

प्रभागीय वन अधिकारी
पिथौर गढ़ वन प्रभाग
पिथौरागढ़

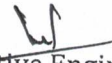
Summary of Estimated Cost

ame Of Work : Muck Disposal Plan For Construction Of Marh Marsholi to Sangatta Motar Road State Sector (length 4.375km)

	Description	Amount In Lacs
-	Muck disposal Plan for Construction of Marh Marsholi to Sangatta motor road under state sector	6618807.18
	Total	6618807.18
	Say	66.19 Lacs


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


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


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


प्रभाकर सिंह अधिकारी
पिथौरागढ़ का प्रभाग
पिथौरागढ़

परियोजना विवरण :- जनपद पिथौरागढ़ के विधान सभा क्षेत्र पिथौरागढ़ के विकासखण्ड मूनाकोट में माड़ मर्सौली मोटर मार्ग का संगठन तक विस्तार कार्य।



MUCK POINT A



MUCK POINT B

सहायक अभियन्ता
प्रान्तीय खण्ड लो०नि०वि०
पिथौरागढ़

अधिरासी अभियन्ता
प्रान्तीय खण्ड लो०नि०वि०
पिथौरागढ़

क्षेत्राधिकारी
पिथौरागढ़

प्रमाणित अधिकारी
पिथौरागढ़ प्रभाग
पिथौरागढ़

परियोजना विवरण :- जनपद पिथौरागढ़ के विधान सभा क्षेत्र पिथौरागढ़ के विकासखण्ड मूनाकोट में माड़ मर्सोली मोटर मार्ग का संगठन तक विस्तार कार्य।



MUCK POINT C



MUCK POINT D

सहायक अभियन्ता
ग्रामीण खण्ड लो०नि०वि०

अधिसासी अभियन्ता
ग्रामीण खण्ड लो०नि०वि०
पिथौरागढ़

क्षेत्र विकास अधिकारी
पिथौरागढ़

प्रभारित वन अधिकारी
पिथौरागढ़ वन प्रभाग