

परियोजना का नाम:- माननीय मु0मं0 घोषणा के अंतर्गत जनपद पिथौरागढ़ के विधान सभा क्षेत्र पिथौरागढ़ के अंतर्गत जाजरदेवल मूलागाड़ केली (सेली) मोटर मार्ग का नव निर्माण 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।

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प्रयोक्ता एजेन्सी

अधिरासी अभियन्ता
प्रान्तीय खण्ड लो0नि0वि0
पिथौरागढ़

ह0/-
प्रभागीय वनाधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़

मलवा निस्तारण
2014

वन क्षेत्राधिकारी
पिथौरागढ़

UTTARAKHAND

LOK NIRMAN VIBHAG

3rd CIRCLE P.W.D. PITHORAGARH

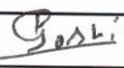
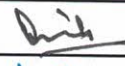
PROVINCIAL DIVISION P.W.D

PITHORAGARH

***Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road
State Sector (length 4.000km)***

ESTIMATED COST 55.44 LAC

LIST OF OFFICERS

Sl. NO.	NAME	DESIGNATION	FULL SIGNATURE
1	Er. Harshit Joshi	J. Engineer	
3	Er. Dinesh Joshi	Asstt. Engineer	
4	Er. Mayur Sah	Jr.Engineer (T)	
5	Er. Sunil Kumar	Executive.Engineer	

Specifications

***Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar
Road State Sector (length 4.000km)***

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 Jajardeval to
Mulagarh Motar Road State Sector (length 4.000km)**

Sr no	Discription of Item	Quantity	Unit	Remark
1	Material recived from hill site cutting 1/2x4000x3x3=	18000.00	cum	
2	add 40% for swell factor	7200.00	cum	
3	Total quantity for disposal	25200.00	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	5796.00	cum	
2	RR stone masonry laid dry for Breast wall 23% of total material	5796.00	cum	
3	Hand packed Stone filling Behind Retaing wall and Breast wall 20% of R/wall and breast=(a+b)x20%	1159.20	cum	
4	Construction of wire crate Total quantity used in Dumping yard	3222.00	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	22532.40	cum	
	material disposed by cartage to dumping yards	2667.60	cum	


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Pro. Div. P.W.D
Pithoragarh


Assistant Engineer
Pro. Div. P.W.D
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**Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road State Sector
(length 4.000km)**

Details of Muck Disposal Yards with Land Owner Detail

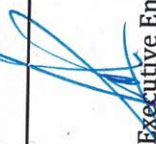
Sr. no	Chainage	Name of Land owner	Land in Hect	Land in Sqm	Land area being used for dumping yard(sqm)	Latitude	Longitude
1	Ch. 3.025to 3.121	State forest land (Uttarakhand Govt.)	0.0192	192.00	162.00	29°36'22.82"N	80°14'45.56"E
2	Ch. 3.325to 3.413	State forest land (Uttarakhand Govt.)	0.0176	176.00	216.00	29°36'21.14"N	80°14'46.48"E
3	Ch. 3.650to 3.725	State forest land (Uttarakhand Govt.)	0.0150	150.00	150.00	29°36'27.02"N	80°14'44.56"E
4	Ch. 3.875to 3.974	State forest land (Uttarakhand Govt.)	0.0198	198.00	198.00	29°36'24.09"N	80°14'54.09"E
		Total	0.0716	716.0000	726.0000		



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Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road State Sector (length 4.000km)

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	25200.00	22532.40	2667.60	2864.00	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. 3.025to 3.121	192.00 x2x2	State forest land (Uttarakhand Govt.)	768.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
2	Ch. 3.325to 3.413	176.00 x2x2	State forest land (Uttarakhand Govt.)	704.00	मोटर मार्ग में प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
3	Ch.3.650to 3.725	150.00 x2x2	State forest land (Uttarakhand Govt.)	600.00	कुल अधिग्रहित वन भूमि की चौड़ाई = 9.00 मी०
4	Ch.3.875to 3.974	198.00 x2x2	State forest land (Uttarakhand Govt.)	792.00	मोटर मार्ग में प्रयुक्त वन भूमि की चौड़ाई = 6.00 मी०
		716	Total	2864.00	


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Muck Disposal Plan

Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road State Sector (length 4.000km)

Summary of Results

1 The quantity of material received from hill side cutting -= (Sheet sttached on page no. of Muck disposal estimate)	25200.00 cum
2 The quantity of material used in various items =	22532.40 cum
3 The remaining quantity of muck for dumping i/c swell factor (Sheet sttached on page no. of Muck disposal estimate)	2667.60 cum
4 Numbers of dumping yards needed for the dumping of muck (i) In state forest land = (ii) In Nap Land = (Sheet sttached on page no. of Muck disposal estimate)	4.00 Nos nil Nos
5 Carring capacity of dumping yards with dimensions & coordinates Area in hect	0.072
In state forest land =	Quantity 2864.00 cum
(ii) In Nap Land =	0 cum
(Sheet sttached on page no. of Muck disposal estimate)	2864.00 cum
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 = (ii) In Nap Land = (Sheet sttached on page no. of Muck disposal estimate)	50.35 Lacs 0 Lacs
8 Cost of Vegetation Plantation in Civil Soyam Land = (Sheet sttached on page no. of Muck disposal estimate)	4.00 Lacs
9 Total Amount in Civil Soyam Land = (i) Cost of construction of dumping Yards = (ii) Cost of Vegetation Plantation =	50.35 Lacs 4.00 Lacs
Add 2% for Incidental Charges	Total 54.35 1.09 Total 55.44

Goshi
J.E.

महाराष्ट्र
अ.ग.

वन क्षेत्राधिकारी
बिथौरागढ़

A.E.

E.E.

Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road State Sector (length 4.000km)

PROPOSAL PLAN FOR MUCK DUMPING

HILL SIDE

Breast Wall

ROW = 9.00 MT

KUD SIDE

ROAD WIDTH = 6.00 MT

WIDTH = 3.00 MT

Drain

Wire Crate

MUCK

Goshi

Junior Engineer
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D.L.

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

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

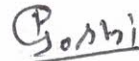
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पिथौरागढ़

Analysis of Rates

**Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road
State Sector (length 4.000km)**

Name		Road & Bridge Uttarakhand	Year		2019-2020
Rate Card		Block 56 Pithoragarh (Bin)	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	1474.00	cum
		GI wire 10 Gauge BWG			
3		Vegitative Plantation	km	100000.00	km


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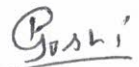

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Detail of Measurement

**Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road Stat
Sector (length 4.000km)**

S. No.	Item	No	L (m)	B(m)	H(m)	QTY	
1	Excavation in foundation for structure as per drawing and technical specificaltion 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. 3.025to 3.121	1x1/2	192.00	1.50	0.30	43.20	cum.
	Ch. 3.325to 3.413	1x1/2	176.00	1.50	0.30	39.60	cum.
	Ch.3.650to 3.725	1x1/2	150.00	1.50	0.30	33.75	cum.
	Ch.3.875to 3.974	1x1/2	198.00	1.50	0.30	44.55	cum.
					G.Total	161.10	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. 3.025to 3.121	1x2	192.00	1.50	1.50	864.00	cum.
	Ch. 3.325to 3.413	1x2	176.00	1.50	1.50	792.00	cum.
	Ch.3.650to 3.725	1x2	150.00	1.50	1.50	675.00	cum.
	Ch.3.875to 3.974	1x2	198.00	1.50	1.50	891.00	cum.
					G.Total	3,222.00	cum.
3	Vegitation Plantation .					1	job


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Bill of Quantity

Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to Mulagarh Motar Road State Sector (length 4.000km)

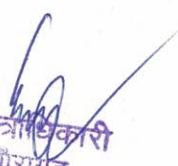
Sl. No	Item of work	Quantity	Unit	Rate	Amount
1	Excavation in foundation for structure as per drawing and technical specification clause 305.1 including setting out construction of shorting and bracing, removal of stumps and other deleterious material and disposal up to 50mt,dressing of sides and bottom and backfilling in trenches with excavated material(ref 11.20-300)	161.10	cum.	306.50	49377.15
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.	3,222.00	cum.	1547.50	4986045.00
				Total	5035422.15
3	Vegetation Plantation .	4.00	Job	100000.00	400000.00
				Total	5435422.15
	Add 2% for Incidental Charges				108708.44
				Total	5544130.59


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Summary of Estimated Cost

**Name Of Work : Muck Disposal Plan For Construction Of Jajardeval to
Mulagarh Motar Road State Sector (length 4.000km)**

S.No.	Description	Amount In Lacs		
1-	Muck disposal Plan for Construction of Jajardeval to Mulagarh motor road under state sector	5544130.59		
	Total	5544130.59		
	Say	55.44	Lacs	

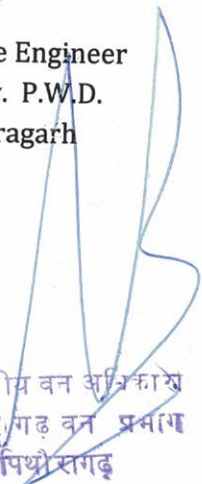

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जनसंवेदन अधिकारी
पिथौरगढ़


जन क्षेत्र अधिकारी
पिथौरगढ़


प्रभागीय वन अधिकारी
पिथौरगढ़ वन प्रभाग
पिथौरगढ़

माननीय मु० की घो० सं० 2234/2015 के अंतर्गत जनपद पिथौरागढ़ के विधानसभा क्षेत्र पिथौरागढ़ के अंतर्गत जाजरदेवल मूलागाड़
केली (सेली) मोटर मार्ग का निर्माण ।



MUCK POINT 'A'



MUCK POINT 'B'

अधिसूचना अभियन्ता
राज्यीय खण्ड लो०नि०वि०
पिथौरागढ़
AD

अधिसूचना अभियन्ता
पिथौरागढ़

वन क्षेत्र अधिकारी
पिथौरागढ़

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़

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MUCK POINT C



MUCK POINT D

अधिरासी अभियन्ता
ग्रामीय खण्ड लो०नि०वि०
पिथौरागढ़

वन क्षेत्राधिकारी
पिथौरागढ़

ग्रामीय वन अधिकारी
पिथौरागढ़ वन प्रभाग
पिथौरागढ़