




प्रारूप-49

परियोजना विवरण :- जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत मलेथा-ग्वाड़टोला मोटर मार्ग से सेमवाल गांव तक मोटर मार्ग का नव निर्माण कार्य। (लम्बाई 1.500 कि०मी०)।

मलवा निस्तारण योजना इस मार्गदर्शिका के परिशिष्ट में दिये माडल अनुसार तैयार की गई है।


कनिष्ठ अभियन्ता
अ०ख० लो०नि०वि० श्रीनगर
मु० कीर्तिनगर।


सहायक अभियन्ता
अ०ख० लो०नि०वि० श्रीनगर
मु० कीर्तिनगर।


अधिसूची अभियन्ता
अ०ख० लो०नि०वि० श्रीनगर
मु० कीर्तिनगर।

उत्तराखण्ड शासन

लोक निर्माण विभाग



उत्तराखण्ड सरकार

8वां वृत्त, लोक निर्माण विभाग
नई टिहरी

अस्थाई खण्ड, लो०नि०वि० श्रीनगर
मुख्यालय-कीर्तिनगर

मलवा निस्तारण प्रस्ताव

कार्य का नाम: Construction of Maletha-Gwartola to Semwal
Gaun motor road Under state sector in
Kirtinagar block of District Tehri

लम्बाई:- 1.500 कि०मी०

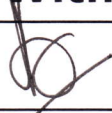

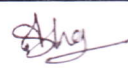
अनुमानित लागत Rs. 10.21 लाख

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Name Of Work:- Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri

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List of Names of Concerned Engineers Associated With The Estimating & Costing

Sl. No.	Name of Officials	Designation	Signature With Date
1	Er. Vinod Negi	Executive Engineer	
2	Er. H.B.Maithani	Assistant Engineer	
3	Er. Arvind Kumar Dyundi	Junior Engineer (Technical)	
4	Er.Asha Lata	Junior Engineer	

Analysis of Rate

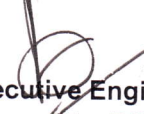
Name Of Work: Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri

Block: Devprayag

SN	Description	Rate	Unit
1-2	Excavation in foundation for retaining, breast walls etc, in all types of soils 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	Cu.m	Rs. 294.80
1-7-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stoneboulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	Cu.m	Rs. 1,402.50


J.E.


Assistant Engineer
Temp. Div. P.W.D.
Kirtinagar


Executive Engineer
Temp. Div. P.W.D.
Kirtinagar

SPECIFICATIONS

Name Of Work:- Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri

ALL THE WORKS SHALL BE EXECUTED STRICTLY AS PER THE APPROVED SPECIFICATIONS OF UTTARANCHAL PUBLIC WORKS DEPARTMENT AND ISSUED CIRCULARS / DIRECTIONS BY CHIEF ENGINEER


Assistant Engineer

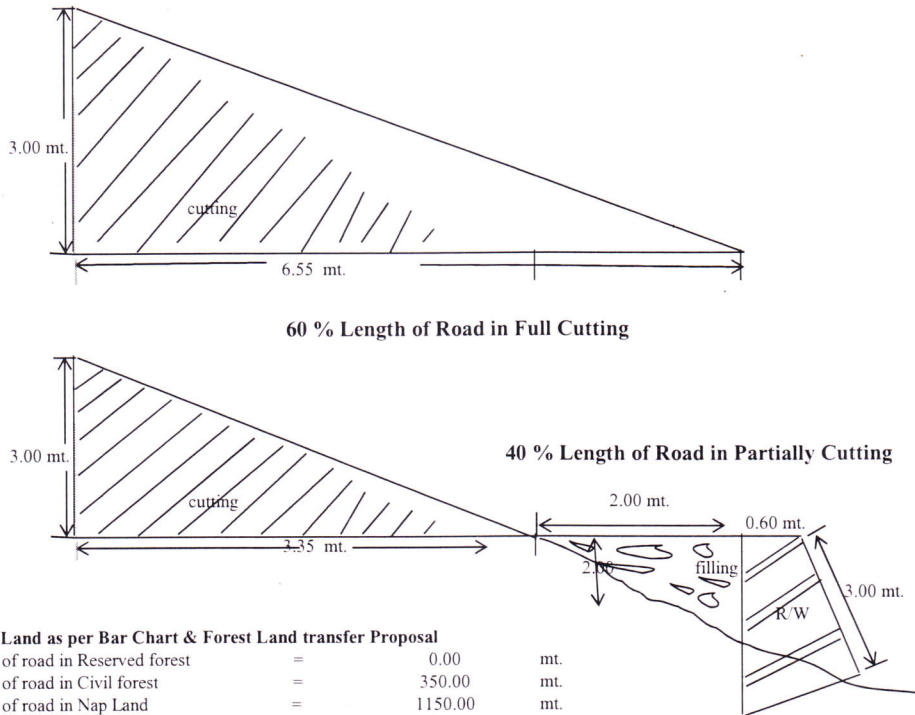
Temp. Div. PWD Srinagar
Headquarter: Kirtinagar


Executive Engineer

Temp. Div. PWD Srinagar
Headquarter: Kirtinagar

DETAILS OF MEASUREMENT

Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri

Total quantity of Muck generated from road cutting**Typical X-Section of Road****Forest Land as per Bar Chart & Forest Land transfer Proposal**

A	Length of road in Reserved forest	=	0.00	mt.
B	Length of road in Civil forest	=	350.00	mt.
C	Length of road in Nap Land	=	1150.00	mt.
	Total Length	=	1500.00	mt.
	Total Forest Length	=	350.00	mt.

Calculation of Muck As Above Length									
Assuming 60 % Length in Full cutting & 40 % Length in Partially Cutting & Partially Filling									
1	Quantity of muck generated from cutting	1	x	1/2	210.00	6.55	3.00	2063.25	Cum.
	Quantity of muck generated from cutting	1	x	1/2	140.00	3.35	3.00	703.50	Cum.
2	Quantity of muck from scupper & catch pit								
a	Quantity of muck from scupper in civil land forst land	1	x	3	6.55	3.80	2.20	164.27	Cum.
b	Quantity of muck from catch pit in civil land land forst land	1	x	3	(1.5x1.5+2.1x2.1)/2		2.20	21.98	Cum.
c	Quantity of muck from Excavation of Walls in civil land land forst land	1	x1/3	140	(0.60+1.60)/2		3.00	154.00	Cum.
d	Quantity of muck generated from excavation for wirecrate for dumping zones	1	x	As per detail attached				104.63	
	Quantity of muck from SI No 1. & 2 as above.						G-	3211.63	Cum
3	Taking E.B. O.R & H.R @ 50%, 20%, & 30% respectively								
i.	30% E.B		3211.63	x	0.30	=		963.49	Cum.
ii.	40% O.R.		3211.63	x	0.40	=		1284.65	Cum.
iii.	30% H.R.		3211.63	x	0.30	=		963.49	Cum.
						Total =		3211.63	Cu
iv	Quantity of muck as swell factor of (E.B. only)	1.2	x	963.49		1156.19		Cum	
5	Quantity of total muck from point ii., iii., & iv	Sl. No (ii + iii + iv) =				3404.33		Cum	
	Quantity of total muck Generated				Say	3404.33		Cum	

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जीनगर मुख्यालय कीर्तिनगर

Disposal & use of material							
1	Quantity used for super elevation, grade improvement & patrie filling of road @ 10%	3404.33	10%	340.43	Cum		
2	Quantity erodes by wind and water @ 10% of (E.B. only)	1156.19	10%	115.62	Cum		
	Quantity of stones used in R/W in 40% length	140.00	(0.60+1.60)/2x3.5		462.00	Cum	
3	Quantity of muck disposed in filling (retained by R/W) in 40% length	140.00	2.00 2.00/2		280.00	Cum	
4	Quantity of Stones used in Scuppers	3 6.55	(0.60+1.20)/2 1.80		31.83	Cum	
5	Quantity of stones used Catch pit						
	(i) Back Wall	3	(4.16+3.44)/2	(0.60+0.97)/2	2.00	17.898	Cum
	(ii) Side wall	2x3	(2.83+2.47)/2	(0.60+0.97)/2	2.00	24.963	Cum
6	Quantity of stones used in Wire Cate Walls for 6 dumping zones	As per detail attached				627.75	Cum
	Total quantity of muck used at site including weathering by nature					1900.50	Cum

निस्तारित की जाने वाली मलवे की मात्रा = 1503.83 Cum

Capacity of Dumping Zones from Km 1 to 6 1552.50 Cum

अनिस्तारित की जाने वाली मलवे की मात्रा = Nil Cum

इस प्रकार से उत्सर्जित मलवे का लगभग सम्पूर्ण उपयोग सतह की रिग्रैडिंग एवं दीवार निर्माण आदि के प्रयोग में तथा सुपर एलीवेशन व पटरी फिलिंग आदि में हो जायेगा जिससे स्थानीय वनस्पति को क्षति नहीं पहुँचेगी एवं भू-क्षरण की सम्भावना भी नहीं होगी।

अवशेष मलवे के निस्तारण हेतु मार्ग पर ऐसी जगह चिन्हित किये जा रहे हैं जिससे वन सम्पदा आदि की क्षति नहीं होगी। निस्तारित किये जाने वाले स्थानों का प्रस्ताव संलग्न लाईन डायग्राम में दर्शाया जा रहा है।

J.E.

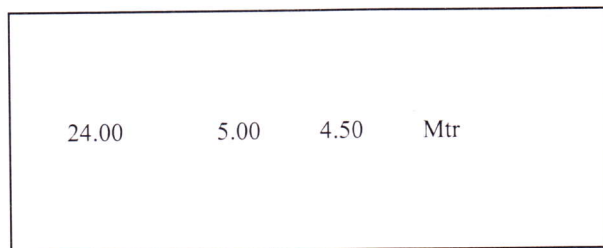
Assistant Engineer
Temp. Div. P.W.D.
Kirtinagar

Executive Engineer
Temp. Div. P.W.D.
Kirtinagar

DETAILS OF MEASUREMENT

**Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in
Kirtinagar block of District Tehri**

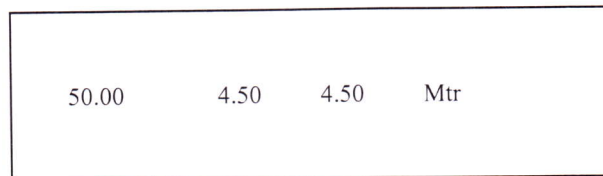
Dumping Zone - 1 (Chainage 0.000)



Plan of dumping zone 1.

Area of Civil Land in Dumping Zone No-1	1x1	24.00	5.00		120.00	Sqm
Capecity Of Dumping Zone No. 1	1x1	24.00	5.00	4.50	540.00	Cum

Dumping Zone - 2 (Chainage 0.400)



Plan of dumping zone 2.

Area of Civil Land in Dumping Zone No-2	1x1	50.00	4.50		225.00	Sqm
Capecity Of Dumping Zone No. 2	1x1	50.00	4.50	4.50	1012.50	Cum

Total Area in Naap Land in Dumping Zone No 1 to 2	0.00				0.00
Total Area in Civil Land in Dumping Zone No 1 to 2	120.00	+	225.00		345.00
Total Area in Reserve Forest Land in Dumping Zone No 1 to 2			0.00		0.00
Total Qty in Naap Land in Dumping Zone No 1 to 2	0.00				0.00
Total Qty in Civil Land in Dumping Zone No 1 to 2	540.00	+	1012.50		1552.50
Total Qty in Reserve Forest Land in Dumping Zone No 1 to 2			0.00		0.00

Total Capacity of Dumping Zones From Km 1 to 2

1552.50

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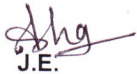
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अधिवक्ता
 अस्वाइ खण्ड सो.मि.वि.
 कीर्तनगर मुख्यालय कोटिगढ़

BILL OF QUANTITY

Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri

Sl. No.	Item of work	Quantity	Unit	Rate	Per	Amount
1	2	3	4	5	6	7
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer in -charge	104.63	Cum.	Rs. 294.80	Cum.	30843.45
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) GI wire 8 gauge BWG	627.75	Cum.	Rs. 1,402.50	Cum.	880419.38
				Total		911262.83


J.E.

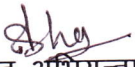

Assistant Engineer
Prov. Div. P.W.D.
New Tehri



Executive Engineer
Prov. Div. P.W.D.
New Tehri


आगणन की लागत का सारांश


Name of Work :- Construction of Maletha-Gwartola to Semwal Gaun motor road
Under state sector in Kirtinagar block of District Tehri


कम संख्या	विवरण	लागत (लाख में)
1	Construction of Maletha-Gwartola to Semwal Gaun motor road Under state sector in Kirtinagar block of District Tehri	Rs.911,262.83
	Add 12 % G. S.T	Rs.109,351.54
	योग	Rs.1,020,614.36
	अर्थात् लाख रू० में	Rs.10.21


कनिष्ठ अभियन्ता
अ०ख०, लो०नि०वि० श्रीनगर
मुख्यालय-कीर्तिनगर


सहायक अभियन्ता
अ०ख०, लो०नि०वि० श्रीनगर
मुख्यालय-कीर्तिनगर


अधिसारी अभियन्ता
अ०ख०, लो०नि०वि० श्रीनगर
मुख्यालय-कीर्तिनगर


वन क्षेत्राधिकारी
माणिकनाथ रेंज
छायाचौरा


उप प्रभारी वन क्षेत्राधिकारी
देवप्रयाग उप वन प्रभाग