

Muck Disposal Plan

Name of Work :- Construction of Badave-Dharl-Beltarl KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.

Munakot

Length-4.625KM

Summary of Results

1	The quantity of material received from hill side cutting = (Sheet attachad on page no. of Muck disposal estimate)	68903.60 Cum
2	The quantity of material used in various Items = (Sheet attachad on page no. of Muck disposal estimate)	24831.44 Cum
3	The remaining quantity of muck for dumping l/c swell factor = (Sheet attachad on page no. of Muck disposal estimate)	26828.88 Cum
4	Total Numbers of dumping yards needed for the dumping of muck =	5
	(i) In Civil Soyam Land =	5 Nos
	(ii) In Vanpanchayat Land =	0 Nos
	(iii) In Reserve Rorest Land =	0
	Total =	5 Nos
	(Sheet attachad on page no. of Muck disposal estimate)	
5	Carrying capacity of dumping yards with proper dimensions & coordinates	27252.00 Cum
	(i) In Civil Soyam Land =	27252.00 Cum
	(ii) In Vanpanchayat Land =	0.00 Cum
	(iii) In Reserve Rorest Land =	0.00
	Total =	27252.00 Cum
	(Sheet attachad on page no. of Muck disposal estimate)	
6	Land ownership Reports (Sheet attachad on page no. of Muck disposal estimate)	905148.00
7	Total Amount for Construction of Dumping Yards	905148.00 Lacs
	(i) In Civil Soyam Land =	0.00 Lacs
	(ii) In Vanpanchayat Land =	0.00 Lacs
	(iii) In Reserve Rorest Land =	0.00 Lacs
	Total =	905148.00 Lacs
	(Sheet attachad on page no. of Muck disposal estimate)	
8	Cost of Treatment plan =	3.00 Lacs
	(i) In Civil Soyam Land =	0.00 Lacs
	(ii) In Vanpanchayat Land =	0.00 Lacs
	(iii) In Reserve Rorest Land =	0.00 Lacs
	Total =	3.00 Lacs
	(Sheet attachad on page no. of Muck disposal estimate)	
9	Total Amount in	12.291 Lacs
	(i) In Civil Soyam Land =	0.00 Lacs
	(ii) In Vanpanchayat Land =	0.00 Lacs
	(iii) In Reserve Rorest Land =	0.00 Lacs
	Total =	12.291 Lacs
	(Sheet attachad on page no. of Muck disposal estimate)	

(with 2% incidental charges)

Tajpur

सहायक अभियन्ता
सिचाई खण्ड लो0नि0वि0
पिथौरागढ़

अधिकासी अभियन्ता
सिचाई खण्ड लो0नि0वि0
पी0आई0ए0पी0एम0जी0ए0एस0वाई
पिथौरागढ़ (उत्तराखण्ड)

प्रपत्र-38

परियोजना का नाम :- जनपद पिथौरागढ़ में प्रधान मन्त्री ग्रामीण सड़क योजना के अन्तर्गत प्रस्तावित बडावे-धारी-बेल्तड़ी मोटर मार्ग के किमी 10.00 से क्वारबन तक मोटर मार्ग का नव निर्माण। (लम्बाई 4.625 किमी०)

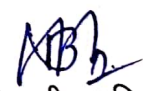
मक डम्पिक प्लान प्रमाण -पत्र

प्रस्तुत प्राक्कलन बडावे-धारी-बेल्तड़ी मोटर मार्ग के किमी 10.00 से क्वारबन मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया है। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु दिनोंक 0.4/0.2/20.1.2 को संयुक्त निरीक्षण किया गया। निरीक्षण के समय मोटर मार्ग के सिविल सोयम भूमि में 5 सीलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे स्थित है। मलवा निस्तारण हेतु खड् साइड में मार्ग के समान्तर वायर क्रेट लगाये जाने का प्राविधान है।

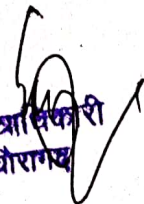
अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रु 9.05 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे। मलवा कही भी वृक्ष आछादित एवं जल स्रोतों में नहीं डाला जायेगा।


कनिष्ठ अभियन्ता
पी०एम०जी०एस०वाई,
सिंचाई खण्ड, लो०नि०वि०
पिथौरागढ़


सहायक अभियन्ता
पी०एम०जी०एस०वाई,
सिंचाई खण्ड, लो०नि०वि०
पिथौरागढ़


अधिशाली अभियन्ता
पी०एम०जी०एस०वाई,
सिंचाई खण्ड, लो०नि०वि०
पिथौरागढ़

वन क्षेत्राधिकारी
पिथौरागढ़


वन क्षेत्राधिकारी
पिथौरागढ़

परियोजना का नाम:- जनपद पिथौरागढ़ के अन्तर्गत बडावे-धारी-बेल्तड़ी
मोटर मार्ग के किमी० 10.00 से क्वारबन तक मोटर मार्ग का नव निर्माण।
(लम्बाई 4.625 किमी०)

मक डिस्पोजल हेतु वनीकरण एवं अभियांत्रिकी कार्यों में जो भी व्यय
होगा उसे लोक निर्माण विभाग द्वारा वन विभाग की मांग के अनुसार उपलब्ध करा
दिया जायेगा।

Tanjithir

सहायक अभियन्ता
सिंचाई खण्ड लो०नि०वि०
पिथौरागढ़

अधीशासी अभियन्ता
सिंचाई खण्ड लो०नि०वि०
पी०आई०यू० पी०एम०जी०एस०वाई
पिथौरागढ़ (उत्तरखण्ड)

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to
Qwarban motor road in K.M. 4.625 under PMGSY.

DSR Report

year

Ref. No. : MORD and Miscellaneous Items 2017-2018, DATED : 15-09-2017,
Block 53 Munakot (PITHORAGARH)

sl.no	Chapter Name	Description of Items	Unit	Rate
1	Mis/ltm	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 Specifiction	cum	292.30
2	MORD	14-2 Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	cum	1762.90
3	Mis/ltm	1-6 Construction of coolie walling including supply of all material, labour, T&P etc. required for proper completion of the work as per direction of Engineer-in-charge. (As per PWD Uttarakhand specifications)	cum	1188.00

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सहायक निरीक्षक
सिचाई खण्ड लो०नि०वि०
पिथौरागढ़

अधिसूची अभियन्ता
सिचाई खण्ड लो०नि०वि०
पिथौरागढ़ पी०एम०जी०एस०आई
पिथौरागढ़ (उत्तराखण्ड)

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.

Block : Munakot

District : Pithoragarh

Muck Received From Hill Side Cutting

S/No.	Description of Work	Quantity	Unit
	Material received from hill side cutting	68903.60	Cum
Disposal and use of Material			
1	Construction of coolie walling	72.00	Cum
2	R.R. Stone Masonary laid in 1:5	460.60	Cum
3	R.R. Stone Masonary laid in Dry	4283.44	Cum
4	Hand Packed Stone Filling	718.74	Cum
5	Construction of Wire Create	1698.76	Cum
6	Construction of Back & Reference Pillars	372.00	Cum
8	Qty. of materials to be disposed along the road side 25% of hill side cutting)	17225.90	Cum
TOTAL		24831.44	Cum

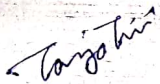
Quantity of Muck to be disposed at dumping places= (Material Received - Material used) cum

68903.60 - 24831.44

Total = 44072.16 Cum

Total quantity soil 53657.76 cum 50% disposal Quantity= 26828.88 cum

50 % 26828.88 westage soil quantity of the Road.



Jr. Engineer
I.D. PMGSY, P.I.U. -
Pithoragarh



Asst. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh



Ex. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.

Block : Munakot

Length: 4.625 KM

Sr.No.	Chainage of Wire-Crate	No.	Size of catchment-area of wire-crate			Quantity	Unit
			Length(mt)	Width(mt)	Height(mt)		
1	Chainage 0.050 km	0.50	24.00	30.00	3.00	1080.00	cum
	2nd	0.50	24.00	30.00	9.00	3240.00	cum
2	Chainage 1.525 km	0.50	24.00	30.00	3.00	1080.00	cum
	2nd	0.50	24.00	30.00	8.70	3132.00	cum
3	Chainage 2.800 km	0.50	24.00	30.00	3.00	1080.00	cum
	2nd	0.50	24.00	30.00	11.00	3960.00	cum
4	Chainage 3.425 km	0.50	24.00	30.00	3.00	1080.00	cum
	2nd	0.50	24.00	30.00	20.00	7200.00	cum
5	Chainage 4.550 km	0.50	24.00	30.00	3.00	1080.00	cum
	2nd	0.50	24.00	30.00	12.00	4320.00	cum
240.00			Total			27252.00	cum

Carrying Capacity Of Wire-Crate 27252.00 cum
Quantity of Muck to be disposed at dumping places 26828.88 cum
Balance 423.12 cum
Hance Safe

Jr. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Asst. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Ex. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.

Block : Munakot

District : Pithoragarh

DETAIL OF MEASUREMENT

A=>

Measurment for Muck Disposal

A.1). Excavation in foundation for structures in all types of soils and rocks including all lead, lift and disposal of surplus material as directed by Engineer-In-charge and MORD Specification for Rural Roads 2014.									
Sr.No.	Item Of Work	No.			Length	Width	Height	Quantity	Unit
1	Chainage 0.050 km	1	x	8	3.00	1.50	0.50	18.00	cum
2	Chainage 1.525 km	1	x	8	3.00	1.50	0.50	18.00	cum
3	Chainage 2.800 km	1	x	8	3.00	1.50	0.50	18.00	cum
4	Chainage 3.425 km	1	x	8	3.00	1.50	0.50	18.00	cum
5	Chainage 4.550 km	1	x	8	3.00	1.50	0.50	18.00	cum
TOTAL								90.00	cum
A.2). Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS: 4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone and MORD Specification for Rural Roads 2014.									
1	Chainage 0.050 km	1	x	8	3.00	1.50	1.25	45.00	cum
2nd		1	x	8	3.00	1.50	1.25	45.00	cum
2	Chainage 1.525 km	1	x	8	3.00	1.50	1.25	45.00	cum
2nd		1	x	8	3.00	1.50	1.25	45.00	cum
3	Chainage 2.800 km	1	x	8	3.00	1.50	1.25	45.00	cum
2nd		1	x	8	3.00	1.50	1.25	45.00	cum
4	Chainage 3.425 km	1	x	8	3.00	1.50	1.25	45.00	cum
2nd		1	x	8	3.00	1.50	1.25	45.00	cum
5	Chainage 4.550 km	1	x	8	3.00	1.50	1.25	45.00	cum
2nd		1	x	8	3.00	1.50	1.25	45.00	cum
TOTAL								450.00	cum

B=>

Coolie walling

Coolie walling						
B.1).	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhand specifications) for Making Dumping Yard					
		Length	Width	Height	Quantity	Unit
1	Km 1 = 0/0-4/25	240.00	0.60	0.50	72.00	cum
	TOTAL	240.00			72.00	cum

Jr. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Asst. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Ex. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.
Block : Munakot

Muck Dumping Area Civil Soyam Land							Length: 4.625 KM	
Sr.No.	X-Section	Latitude	Longitude	type of Land	Size of		area (sqm)	area (hect)
					Length (mt)	Width (mt)		
1	Chainage 0.050 km	29°30'03.16"	80°15'40.60"	Civil Land	24.00	50.00	1200.00	0.12
2	Chainage 1.525 km	29°29'43.37"	80°15'40.87"	Civil Land	16.00	75.00	1200.00	0.12
3	Chainage 2.800 km	29°29'26.13"	80°15'55.51"	Civil Land	40.00	30.00	1200.00	0.12
4	Chainage 3.425 km	29°29'36.49"	80°15'58.22"	Civil Land	25.00	48.00	1200.00	0.12
5	Chainage 4.550 km	29°30'03.16"	80°16'03.13"	Civil Land	30.00	40.00	1200.00	0.12
135.00							6000.00	0.600

Tarun

Jr. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Raj

सहायक अभियन्ता
सिंचाई खण्ड लो0नि0वि0
पिथौरागढ़

KB

अधिसूची अभियन्ता
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पिथौरागढ़ (उत्तराखण्ड)

Name of Work :- Construction of Badave-Dhari-Beltari KM. 10 to Qwarban motor road in K.M. 4.625 under PMGSY.

Block : Munakot

District : Pithoragarh

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BILL OF QUANTITY

Sr.No.	Item Of Work	Quantity	Unit	Rate	Amount
A.1.	Excavation in foundation for structures in all types of soils and rocks including all lead, lift and disposal of surplus material as directed by Engineer-in-charge and MORD Specification for Rural Roads 2014.	90.00	Cum	292.30	26307.00
A.2.	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS: 4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each (crate size 3.00m * 1.50m* 1.25m) as directed by Engineer-in-charge and MORD Specification for Rural Roads 2014.	450.00	Cum	1762.90	793305.00
A.3.	Random Rubble stone masonry in Coolie walling including supply of all material, cu.m labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhand specifications) for Making Dumping Yard	72.00	Cum	1188.00	85536.00
Total					905148.00
Say in Lacs					9.05

Vegetation plantation & Grass plantation - $\frac{3.00}{12.05}$
2% incidental charge - $\frac{0.241}{12.291}$

Tanghi
Jr. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

Ram
Asst. Engineer
I.D. PMGSY, P.I.U. - I
Pithoragarh

[Signature]
नम देवाय नमः
पिथौरागढ़

[Signature]
अवधीय नमः अधिकारी
पिथौरागढ़ नमः अधिकारी
पिथौरागढ़