

प्रपत्र-41

**NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY
NAWALI M/R TO RUNRA M/R**

विकास खण्ड का नाम :- कनालीछीना

प्रतिवेदन

प्रस्तुत प्राक्कलन उक्त मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया है। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु संयुक्त निरीक्षण किया गया, निरीक्षण के समय मलवा निस्तारण हेतु छडनदेव न्वाली मो0 मा0 के किमी0 14 (हे0 मी0 4-6) , एवं प्रस्तावित मो0 मार्ग के किमी0 1 (हे0मी04-6), किमी0 2 (हे0मी0 0-2), किमी0 2 (हे0मी0 6-8), पर स्थलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे पर स्थित है। मलवा निस्तारण हेतु खड्ड साइड में मार्ग के समानान्तर वायरक्रेट लगाये जाने का प्राविधान है।

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रू0 32.51 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे।


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अस्कोट


प्रहायक अभियन्ता ()
सहायक अभियन्ता नि0वि0
नि0ख0, लो0नि0वि0
अस्कोट (प्रशासनिक)
अस्कोट


प्रहायक अभियन्ता
अधीनस्थ अभियन्ता
नि0ख0, लो0नि0वि0
अस्कोट (प्रशासनिक)
अस्कोट

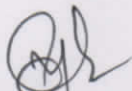
प्रपत्र-41

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO RUNRA M/R

विकास खण्ड का नाम :- कनालीछीना

मक डम्पिंग प्लान/प्रमाण पत्र

प्रमाणित किया जाता है जनपद पिथौरागढ़ में विकास खण्ड कनालीछीना के अन्तर्गत जनपद पिथौरागढ़ में छड़नदेव नवाली मोटर मार्ग से रुनडा तक मोटर मार्ग का नवनिर्माण लम्बाई 2.00 किमी० के निर्माण से उत्पादित मलबे को उचित प्रक्रियानुसार सुरक्षित स्थान पर डम्प किया जायेगा। मलबा कहीं भी वृक्ष आच्छादित क्षेत्र, जल स्रोतों में नहीं डाला जायेगा।


कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट


सहायक अभियन्ता ()
सहायक अभियन्ता
नि०ख०, लो०नि०वि० अस्कोट
अस्कोट (पिथौरागढ़)


अधीनस्थ अभियन्ता
अधीनस्थ अभियन्ता
नि०ख०, लो०नि०वि० अस्कोट
अस्कोट (पिथौरागढ़)

ANALYSIS OF RATE

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAB NAWALI M/R TO RUNRA M/R

Block 53 Kanalichhina (PITHORAGARH)

Effective date 01/05/2016

S N		Item Description	Unit	
1	Mis- 1	Excavation in foundation in all kinds of soil and rocks etc. including all lead and lift as per specification and also including all labour T&P etc. required for proper completion of work	294.20	CuM
2	Mis- 9-2-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI Nos. wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each.(As per PWD U.K Specification)	1440.10	CuM
3	1-10-2	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	6.00	Tonne. Km
4	1-1-2	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	44.10	Cum

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सहायक अभियन्ता ()
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरागढ़)


अधिसासी अभियन्ता
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरागढ़)

DETAIL OF MESURMENT (CIVIL LAND)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO RUNRA M/R

- 1 Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.

Sl No.	Location of wirecrate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	1	38.00	1.50	0.50	28.50	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
2	KM 1 (HM 2-4) on this alingment	1	x	1	78.00	1.50	0.50	58.50	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
3	KM 2 (HM 6-8) on this alingment	1	x	1	33.00	1.50	0.50	24.75	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
							TOTAL	179.25	Cum	
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stonenboulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)									
Sl No.	Location of wire crate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	1	38.00	1.50	4.00	228.00	Cum	
		2	x	0.5	15.00	1.50	4.00	90.00	Cum	
2	KM 1 (HM 2-4) on this alingment	1	x	1	78.00	1.50	3.00	351.00	Cum	
		2	x	0.5	15.00	1.50	3.00	67.50	Cum	
3	KM 2 (HM 6-8) on this alingment	1	x	1	33.00	1.50	4.00	198.00	Cum	
		2	x	0.5	15.00	1.50	4.00	90.00	Cum	
							GRAND TOTAL	1,024.50	Cum	



सहायक अभियन्ता ()
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरागढ़)


 अधिशासी अभियन्ता
 निर्माण खण्ड, लो०नि०वि०
 अस्कोट (पिथौरागढ़)

Bill of Quantity (CIVIL LAND))

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO
RUNRA M/R

Sl No	Name of Item	QTY	Unit	Rate	Per	Amount
1	Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	179.25	Cum	294.20	Cum	52735.35
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stonoboulders weighing not less than 25 kg each. (As per PWD Uttarakhand Specification)	1024.50	Cum	1440.10	Cum	1475382.45
					Total	1528117.80

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सहायक अभियन्ता ()
निर्माण खण्ड लो0नि0वि
अस्कोट (पिथौरागढ़)

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विभागीय अभियन्ता
निर्माण खण्ड, लो0नि0वि
अस्कोट (पिथौरागढ़)

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1660 68000

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

DETAIL OF MESURMENT (NAP LAND)**NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R**

1 Excavation in foundation for retaining &breast walls in all types of soil and rock including lead,lift and disposal of surplus material as per specification.											
S N.	Location of wirecrate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK	
1	KM 2 (HM 0-2) on this alingment	1	x	1	68.00	1.50	0.50	51.00	Cum		
		2	x	1	15.00	1.50	0.50	22.50	Cum		
2	KM 2 (HM 0-2) on this alingment	1	x	1	48.00	1.50	0.50	36.00	Cum		
		2	x	1	15.00	1.50	0.50	22.50	Cum		
							TOTAL	132.00	Cum		
2 Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stonenboulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)											
S N	Location of wire crate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK	
1	KM 2 (HM 0-2) on this alingment	1	x	1	68.00	1.50	4.50	459.00	Cum		
		2	x	0.5	15.00	1.50	4.50	101.25	Cum		
2	KM 2 (HM 0-2) on this alingment	1	x	1	48.00	1.50	4.00	288.00	Cum		
		2	x	0.5	15.00	1.50	4.00	90.00	Cum		
						GRAND TOTAL	938.25	Cum			
3 Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road											
Average density of Debris (E&B) = 1600 Kg/cum or 1.6 tonne/cum											
Thus, Weight of Debris =					6,375.60	X	1.6	10,200.96	Tonne		
Average Distance of Dumping Yard =								0.85	Km		
Thus material to be disposed		10,200.96			X	0.85	=	per 8,670.82 Tonne.K m			
4 Loading of Earth, Sand, Stone chips,Moorum, Manure, Flyash by manual means including a lead upto 30 m											
								=	6,375.60 Cum		

सहायक अभियन्ता (निर्माण खण्ड लो० बि० अस्कोट पिथौरागढ़)

अधिशासी अभियन्ता निर्माण खण्ड, लो० बि० अस्कोट (पिथौरागढ़)

Bill of Quantity (NAP LAND))

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO
RUNRA M/R

Sl No	Name of Item	QTY	Unit	Rate	Per	Amount
1	Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	132.00	Cum	294.20	Cum	38834.40
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI wire conforming to IS: 280 & IS: 4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each. (As per PWD Uttarakhand Specification)	938.25	Cum	1440.10	Cum	1351173.83
3	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	8670.82	Tonne.km	6.00	Tonne.km	52024.90
4	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	6375.60	Cum	44.10	Cum	281163.96
					Total	1723197.08

5 धारसरवे काम प्रस्तावित
निर्माण खण्ड लो0नि0वि
अस्कोट (पिथौरगढ़)
A.E.

A.E.

आंध्रशासी अभियन्ता
निर्माण खण्ड, लो0नि0वि0
अस्कोट (पिथौरगढ़)

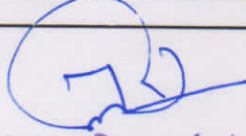
MUCK DISPOSAL PLAN

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

Summary of Result

1	The quantity of material received from hill side cutting (Sheet attached on page no-)	27720.00	Cum
2	The quantity of material used in various items (Sheet attached on page no-)	18648.27	Cum
3	Total numbers of dumping yards needed for the dumping of muck (i) In civil land (ii) In nap land Total	3 2 5	Nos Nos Nos
4	Carrying capacity of dumping yards (i) In civil land (ii) In nap land Total	3590.63 3178.13 6768.75	Cum Cum Cum
5	Land ownership reports(Nap Land) (Sheet attached on page no-)		
6	Total Amount for Construction of dumping Yards (i) In civil land (ii) In nap land total	15.28 17.23 32.51	Lacs Lacs Lacs


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महायक अभियन्ता ()
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरगढ़)

A.E


अधिसासी अभियन्ता
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरगढ़)

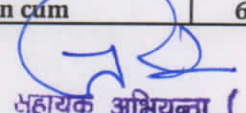
NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

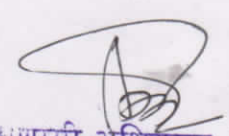
LENGTH

2.00 K.M

Sl No.	Item of work	Nos.			Length (in m)	Breadth (in m)	Depth / Height (in m)	Content	Unit
1	Muck Obtained from H.S Cutting	1	X	0.5	2,000.00	6.00	3.30	19,800.00	cum
	swelling Factor @ 40%							7,920.00	cum
							TOTAL	27,720.00	cum
2	Muck used in Construction Work								
	1) Retaining Walls	1	X	1	900.00	(1.93+0.60)/2	4.00	4,554.00	cum
	2) Breast Walls	1	X	1	800.00	(0.90+0.60)/2	1.80	1,080.00	cum
	3) Construction of scupper	1	X	8	74.18	-	-	593.44	cum
	4) Filling wirecrates for dumping yard							1,962.75	cum
	swelling Factor @ 40 %						Total solid	8,190.19	cum
								3,276.08	cum
							TOTAL	11,466.27	cum
	5) HP Stone Filling	1	X	0.5	900.00	1.00	4.00	1,800.00	cum
	6) Solling Work	1	X	1	2000.00	4.05	0.12	972.00	cum
	7) Making Subgrade	1	X	1	2000.00	6.00	(0.00+0.30)/2	1,800.00	cum
	8) Loss during construction (By excavator & tipper)	1	X	0.5	2000.00	2.25	1.16	2,610.00	cum
							Total or	18,648.27	cum
								67.27	%
	9) Natural disposal due to Rain and steep slope	-			-	-	-	10.00	%
		Total persent of qty say						77.27	%
		Balance qty for disposal						77.00	%
		Qty in cum						23.00	%
								6,375.60	cum


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सहायक अभियन्ता ()
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरगढ़)


आध्यात्मिक अभियन्ता
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरगढ़)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO RUNRA M/R

NAME OF BLOCK- KANALICHHINA (PITHORAGRAH)

MUCK DUMPING

S.N	Location of Muck Dumping Zone			Type of land	No.	Catchment area of Muck dumping Zone		Area(Sqm)	Area(Hect)
	X-section's	Latitude	Longitude			Length (M)	Width(M)		
1	Km 14 (HM 4-6) on chharendav nawali m/R	29° 40'19.10"	80° 21'42.44"	Civil		35.00	15.00	525.00	0.053
2	KM 1 (HM 2-4) on this alingment	29° 40'20.40"	80° 22'8.16"	Civil		75.00	15.00	1125.00	0.113
3	KM 2 (HM 0-2) on this alingment	29° 40'7.65"	80° 22'30.20"	Nap		60.00	15.00	900.00	0.090
4	KM 2 (HM 0-2) on this alingment	29° 40'3.48"	80° 22'32.64"	Nap		45.00	15.00	675.00	0.068
5	KM 2 (HM 6-8) on this alingment	29° 39'48.77"	80° 22'44.29"	Civil		30.00	15.00	450.00	0.045

अहाबक अभियन्ता ()
निर्माण खण्ड, लो०वि०वि०
अस्कोट (पिथौरागढ़)

अहाबक अभियन्ता
निर्माण खण्ड, लो०वि०वि०
अस्कोट (पिथौरागढ़)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO RUNRA M/R

Sl.No	Location of dumping yard	Size of dumping yard							Capacity of dumping yard(Cum)	Type of land	Remark	
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	0.5	35.00	15.00	4.00	+	4.50	1115.63	Civil land	
2	KM 1 (HM 2-4) on this alingment	1	x	0.5	75.00	15.00	3.00	+	3.00	1687.50	Civil land	
3	KM 2 (HM 0-2) on this alingment	1	x	0.5	60.00	15.00	4.50	+	4.00	1912.50	Nap land	
4	KM 2 (HM 0-2) on this alingment	1	x	0.5	45.00	15.00	4.00	+	3.50	1265.63	Nap land	
5	KM 2 (HM 6-8) on this alingment	1	x	0.5	30.00	15.00	3.00	+	4.00	787.50	Civil land	
									Total	6768.75		
Summary of Debris Disposal												
Total Debris		Reused material for road construction				Total quantity of muck to be disposed				Total capacity of dumping yards	Balance Debris	
Sl. No.												
1		27,720.00				18,648.27				6,375.60	6,768.75	Nil


 सहायक अभियन्ता ()
 निर्माण खण्ड लो 0 नि 0 वि
 अस्कोट (पिपौरगढ़)


 सहायक अभियन्ता
 (माण खण्ड, लो 0 नि 0 वि 0)
 अस्कोट (पिपौरगढ़)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO RUNRA M/R

NAME OF BLOCK- KANALICHHINA (PITHORAGRAH)

Details of Muck disposal Yards with land Owner Detail

S.N O.	Chainage	Name of Land owner & Village	Land in Hect	land in Sqm.	No.	Land area being used for Dumping Yards (Sqm)	Latitude	Longitude
1	KM 2 (HM 0-2) on this alignment		0.090	900.00		900.00	29° 40' 7.65"	80° 22' 30.20"
2	KM 2 (HM 0-2) on this alignment		0.068	675.00		675.00	29° 40' 3.48"	80° 22' 32.64"

सहायक अभियन्ता ()
निर्माण खण्ड, लोठनिठवि
अस्कोट (पिथौरगढ़)

आशु निरमल वारमा
उप निरीक्षक
उत्तर-कानाली इलाका
पिथौरगढ़

अधीनस्थ अभियन्ता
निर्माण खण्ड, लोठनिठवि
अस्कोट (पिथौरगढ़)

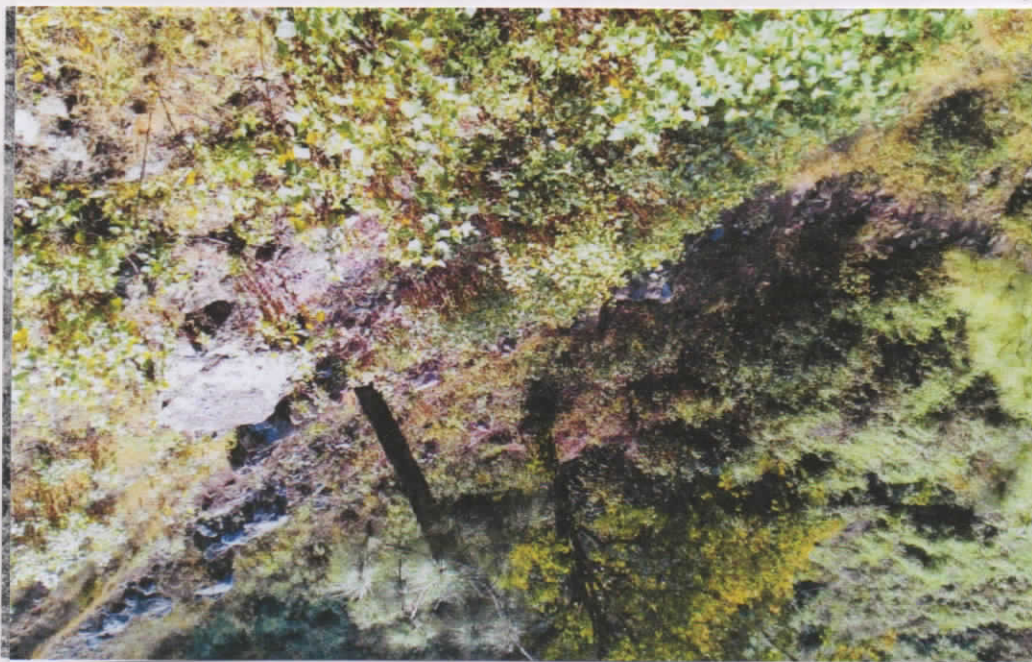
बहालदार
कानाली इलाका
पिथौरगढ़

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAB NAWALI M/R TO RUNRA M/R



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प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग



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प्रभागीय वन अधिकारी
राज्य उप निरीक्षक
तहसील - मालीखी
जिला - पिथौरागढ़

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

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कचहरी

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सहायक अभियन्ता ()
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरागढ़)

वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र

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अधिसासी अभियन्ता
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरागढ़)

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तहसीलदार
कचहरी, पिथौरागढ़

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO RUNRA M/R



प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

प्रकाश चन्द्र जाशी
राजस्थान उप निरीक्षक
तहसील-कनगली (पिथौरागढ़)
जिला- पिथौरागढ़

Saba
कनगली
२९/९

अध्यक्ष अभियन्ता ()
निर्माण खण्ड लो०नि०वि
अस्कोट (पिथौरागढ़)

अधिशाली अभियन्ता
निर्माण खण्ड, लो०नि०वि०
अस्कोट (पिथौरागढ़)

प्रभागीय वन अधिकारी
पिथौरागढ़ वन प्रभाग

वन क्षेत्र अधिकारी
डीडीहाट वन क्षेत्र

तहसीलदार
कनगली, पिथौरागढ़