

लोक निर्माण विभाग



उत्तराखण्ड सरकार

8 वाँ वृत्त, लोक निर्माण विभाग,
नई टिहरी

अस्थाई खण्ड, लोक निर्माण विभाग,
श्रीनगर, मु०-कीर्तिनगर

विधान सभा क्षेत्र - देवप्रयाग

लोक सभा क्षेत्र - टिहरी

(आर०सी०सी० पिलरों द्वारा सीमांकन का प्राक्कलन)

कार्य का नाम:-

राज्य योजना के अन्तर्गत जनपद टिहरी गढवाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)

अनुमानित लागत: 2.21 लाख


Analysis of Rate

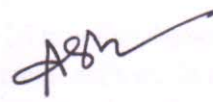
Name Of Work: राज्य योजना के अन्तर्गत जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)


Rate Effected From 01/05/2021

Block kirtinagar(TEHRI)

S. No.	Item Description	Unit	Rate
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	Cum	₹ 374.70
11-4-3-1	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C. grade M 20 11-4-3-1 Nominal mix (1:2:4)	No.	₹ 7,301.90
11-4-4	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 11-4-4 R.C.C grade M 20	Cum	₹ 8,221.80
11-8	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	MT	₹ 74,516.90
	Precast Pillar Cartage	No.	₹ 250.00


Add. Asst. Engineer
Temp. Div. P.W.D.
Kirtinagar


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


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



PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MISCELLANEOUS
For Block 22 Kirtinagar

Year :- FY. 2021-22
Effective From:-01-May-2021

Sl. No.	Description	Rate	Unit
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CHAPTER-1 - General Items

1-1	Earthwork in Hill Road (Hill Side Cutting)		
1-1-1	Excavation in soil in Hilly Area by mechanical means		
1-1-1-A	Excavation in soil in Hilly Area by mechanical means Without using Dozer including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per Technical Specification Clause 1603.1	70.60	Cum
1-1-1-B	Extra for Every Additional Lift of 1.5 m or Part thereof	24.70	Cum
1-1-2	Excavation in Hilly Areas in Ordinary Rock by mechanical means not requiring blasting (With out Dozer) Excavation in hilly area in ordinary rock not requiring blasting by mechanical means without using Dozer including cutting and trimming of slopes and disposal of cut material with a lift upto 1.5 m and lead upto 20 m as per Clause 1603.2.	108.00	Cum
1-1-3	Excavation in Hilly Areas in Hard Rock requiring blasting		
1-1-3-A	Excavation in hilly areas in hard rock requiring blasting, by mechanical means without using Dozer, lift upto 1.5 m and disposal of excavated rock upto a lead of 20 m as per Clause 1603.2.	278.10	Cum
1-1-3-B	Extra for Every Additional Lift of 1.5 m or Part thereof	48.50	Cum
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	374.70	Cum
1-3	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification	2,089.40	Cum
1-4	Random Rubble Stone Masonry laid in 1:6 cement and sand mortar, in breast walls, retaining walls, parapets, scuppers, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification	3,739.00	Cum
1-5	Hand Packed stone filling in back of walls including cost of all materials, royalty, T&P etc. complete as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	876.10	Cum
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)	1,363.90	Cum

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MORD
For Block 22 Kirtinagar

Year :- FY. 2021-22
Effective From:-01-May-2021

Sl. No.	Description	Rate	Unit
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Chapter 11 - FOUNDATION

11-1 Excavation for Structures

Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.

11-1-1	Ordinary soil		
11-1-1-1	Upto 3 m depth	374.70	Cum
11-1-1-2	3 m to 6 m depth	445.00	Cum
11-1-2	Ordinary rock (not requiring blasting) Upto 3 m depth	468.40	Cum
11-1-3	Hard rock (requiring blasting) Upto 3 m depth including 1.5 m depth in hard rock	725.90	Cum
11-1-4	Hard rock (blasting prohibited) Upto 3 m depth including 1.5 m depth in hard rock	695.10	Cum
11-1-5	Marshy soil	702.60	Cum
11-2	Fillling in foundation trenches as per drawing and technical specification Clause 305.3.9		
11-2-1	Sand filling	2377.40	Cum
11-2-2	Earth filling (For marshy soil)	240.50	Cum
11-3	Fillling annular space around footing in rock as per technical specification Clause Rate as Per Item no. 11-4-2 1203.4.3. P.C.C grade M 15 Nominal mix 1:2.5:5		
11-4	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203		
11-4-1	P.C.C grade M 10		
11-4-1-1	Nominal mix 1:3:6	6499.10	Cum
11-4-1-2	Nominal mix 1:3.6 (Hand mixing)	6590.20	Cum
11-4-2	P.C.C grade M 15		
11-4-2-1	Nominal mix (1:2.5:5)	6305.20	Cum
11-4-2-2	Nominal mix 1:2.5:5 (Hand mixing)	6396.30	Cum
11-4-3	P.C.C. grade M 20		
11-4-3-1	Nominal mix (1:2:4)	7301.90	Cum
11-4-3-2	Nominal mix 1:2:4 (Hand mixed)	7393.00	Cum
11-4-4	R.C.C grade M 20	8221.80	Cum
11-4-5	R.C.C. grade M 25	8649.70	Cum
11-5	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 600, 1202 & 1203		
11-5-1	Brick masonry in 1:3 cement mortar	7749.50	Cum
11-5-2	Brick masonry in 1:4 cement mortar	7500.20	Cum
11-5-3	Brick masonry in cement-lime-mortar (1:0.5:4.5)	8059.90	Cum

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MORD

For Block 22 Kirtinagar

Year :- FY. 2021-22

Effective From:-01-May-2021


Sl. No.	Description	Rate	Unit
11-5	Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203.		
11-5-1	Coursed rubble masonry (1st sort)		
11-5-1-1	In 1:3 cement mortar	5791.40	Cum
11-5-1-2	In 1:4 cement mortar	5479.70	Cum
11-5-1-3	In cement-lime-sand mortar (1:0.5:4.5)	6179.30	Cum
11-5-2	Coursed rubble masonry (2nd sort)		
11-5-2-1	In 1:3 cement mortar	5525.30	Cum
11-5-2-2	In 1:4 cement mortar	5182.50	Cum
11-5-2-2	In cement-lime-mortar (1:0.5:4.5)	5952.10	Cum
11-5-3	Random Rubble Masonry		
11-5-3-1	In 1:3 cement mortar	4540.50	Cum
11-5-3-2	In cement mortar 1:4	4197.70	Cum
11-5-3-3	In cement lime mortar (1:0.5:4.5)	4967.20	Cum
11-7	Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	74516.90	Tonne — ④
11-8	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	74516.90	Tonne
11-9	Supplying, fitting and placing MS bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	56129.40	Tonne

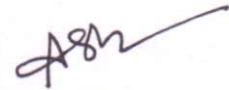
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DETAILS OF MEASUREMENT

कार्य का नाम:- राज्य योजना के अन्तर्गत जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)

S.No.	Item of work	No	L	W/B	H/D	Quantity
1	2	3	4	5	6	7
1	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					
	Total Length of Road in Forest= 775 Metre, Pillar will be fixed at 50 Metre Interval, Hence No. of Pillar Required for One Side= $775/50+1=17$, fixing of boundary pillar both side of Road= $17 \times 2=34$ Nos.					
		1x 34	0.60	0.60	0.60	7.34 Cum.
					Total	7.34 Cum.
2	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C. grade M 20 11-4-3-1 Nominal mix (1:2:4)					
		1x 34	0.60	0.075	0.60	0.92 Cum.
		1x 34	0.45	0.075	0.60	0.69 Cum.
					Total	1.61 Cum.
3	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 11-4-4 R.C.C grade M 20					
		1x 34	0.45	0.45	1.80	12.39 Cum.
					Total	12.39 Cum.
4	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202					
	Taking 1% of total R.C.C work (Item no. 3)	1x 1				0.97 MT
					Total	0.97 MT
5	Precast Pillar Cartage					
	Taking 1% of total R.C.C work (Item no. 3)	1x 34				34 No.
					Total	34 No.


Addl. Asst. Engineer
Temp. Div. P.W.D.
Kirtinagar

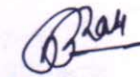

Assistant Engineer
Temp. Div. P.W.D.
Kirtinagar

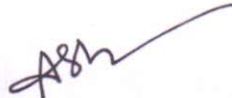

वन क्षेत्राधिकारी
कीर्तिनगर राजि
नरेंद्र नगर वन प्रभाग

BILL OF QUANTITY


कार्य का नाम- राज्य योजना के अन्तर्गत जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)। (आर०सी०सी० पिलरों द्वारा सीमांकन)

Sl. No.	Item of work	Quantity	Unit	Rate	Amount
1	2	3	4	5	7
1	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	7.34	Cum.	374.70	2750.30
2	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C. grade M 20 11-4-3-1 Nominal mix (1:2:4)	1.61	Cum.	7301.90	11756.06
3	Providing concrete for plain/ reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 11-4-4 R.C.C grade M 20	12.39	Cum.	8221.80	101868.10
4	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	0.97	MT.	74516.90	72476.25
5	Precast Pillar Cartage	34	No.	250.00	8500.00
				Total	197350.71


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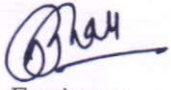

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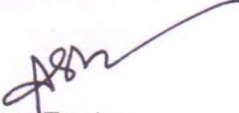

वन क्षेत्राधिकारी
कीर्तिनगर राजि
नरेन्द्र नगर वन प्रभाग


Summary of Estimated cost

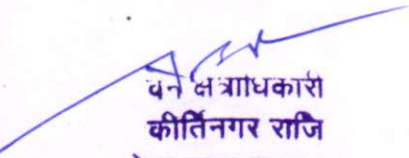
कार्य का नाम— राज्य योजना के अन्तर्गत जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)


S.No.	ITEM OF WORK	AMOUNT
1	राज्य योजना के अन्तर्गत जनपद टिहरी गढ़वाल के विधान सभा क्षेत्र देवप्रयाग के विकासखण्ड कीर्तिनगर के अन्तर्गत थाती डागर रैंतासी मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 1.050 कि०मी०)	197350.71
	GST Extra @ 12% (6%SGST+6%CGST)	23682.09
	Total	221032.80
	Say	2.21 Lacs.



Addl. Asst. Engineer
T.D. PWD Srinagar
H.Q.- Kirtinagar


Assistant Engineer
T.D. PWD Srinagar
H.Q.- Kirtinagar


Executive Engineer
T.D. PWD Srinagar
H.Q.- Kirtinagar


वन अधीक्षक
कीर्तिनगर राजि
नरेन्द्र नगर वन प्रभाग


उप प्रभागीय वनाधिकारी
(देवप्रयाग)
नरेन्द्रनगर वन प्रभाग


प्रभागीय वनाधिकारी
नरेन्द्रनगर वन प्रभाग
मुनि-की-रेती