

उत्तराखण्ड 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

(मलवा निस्तारण प्रस्ताव)

कार्य का नाम:-

जनपद टिहरी गढवाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०)

अनुमानित लागत: 13.78 लाख

INDEX

Name Of Work:- जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी 0 6 हेमी 0 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य।

| S.N. | Detail | Page |
|------|---------------------------|------|
| 1 | Title Page | |
| 2 | Index | |
| 3 | List Of Officers | |
| 4 | Report | |
| 5 | Annexures | |
| 6 | Specifications | |
| 7 | Analysis Of Rates | |
| 8 | Detail Of Measurement | |
| 9 | Bill Of Quantity | |
| 10 | Summary of Estimated Cost | |

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

| S.N. | Name of Officials | Designation | Signature |
|------|-------------------------|-----------------------------|---|
| 1 | Er. Razzak Ahmed | Add. Assist. Engineer |  |
| 2 | Er. H.B.Maithani | Assistant Engineer |  |
| 3 | Er. Arvind Kumar Dyundi | Junior Engineer (Technical) | |
| 4 | Er. D.P.Arya | Executive Engineer |  |

प्रतिवेदन

कार्य का नाम:— जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य।

जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य का शासनादेश 2277/111 (2)/19-10 (एम०एल०ए०)/2017 टी० सी० दिनांक 21.06.2019 द्वारा कुल लम्बाई 4.000 कि०मी०, लागत रू० 13.04 लाख प्रथम चरण स्वीकृत है। उपरोक्त मोटर मार्ग पर वन भूमि पड़ने के कारण वन भूमि हस्तान्तरण पत्रावली गठन की कार्यवाही की जा रही है।

अतः उक्त के क्रम में मलवा निस्तारण प्रस्ताव गठित किया जा रहा है।

इस विस्तृत प्रस्ताव में मलवा निस्तारण हेतु चार डम्पिंग जोन बनाये गये हैं। जिनमें मलवा निस्तारण करने हेतु रिटेनिंग वॉल का निर्माण किया जायेगा।

उपरोक्त वर्णित कार्यों हेतु कुल लागत **रू० 13.78 लाख** का प्रस्ताव गठित कर स्वीकृति हेतु प्रस्तुत है।

सहायक अभियन्ता

अ०ख०, लो०नि०वि० श्रीनगर,
मुख्यालय-कीर्तिनगर


Analysis of Rate


Name Of Work: जनपद टिहरी गढवाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० ६ हेमी० २-४ से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई ४.५०० कि०मी०)


Rate Effected From 01/05/2021

Block 22 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 Specifiction | Cum | ₹ 374.70 |
| 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 stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications). GI wire 10 gauge BWG | Cum | ₹ 1,741.20 |
| 3-13 | Seeding and Mulching Preparation of seed bed on previously laid top soil, furnishing and placing of seeds, fertilizer, mulching material, applying bituminous emulsion @ 0.23 litre per sqm and laying and fixing jute netting, including watering for 3 months all as per Technical Specification Clause 310. | Sqm | Rs. 139.50 |


Add. Asss. 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 |
|---------|-------------|------|------|
|---------|-------------|------|------|

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 Specifiction | 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 Specifiction | 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 Specifiction | 3,739.00 | Cum |
| 1-5 | Hand Packed stone filling in back of wallls 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 |



PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MISCELLANEOUS
For Block 22 Kirtinagar

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

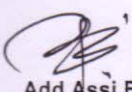
| Sl. No. | Description | Rate | Unit |
|---------|--|----------|------|
| 1-7 | Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) | | |
| 1-7-1 | GI wire 10 gauge BWG | 1,741.20 | Cum |
| 1-7-2 | GI wire 8 gauge BWG | 1,968.50 | Cum |
| 1-8 | Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions). | 9,135.60 | No. |
| 1-9 | Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions of galvanized steel, of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 3 mm for gabions, edge/selvedge wire diameter 3.9 mm and lacing wire diameter 2.2 mm. (The work includes filling boulders in the gabions). | 9,353.70 | No. |
| 1-10 | Clearance of land slides (Slip Clearance) | | |
| 1-10-1 | Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side complete as directed by the Engineer-in-charge. | 69.60 | Cum |
| 1-10-2 | Clearing of land slide in hard rock requiring blasting for 50 per cent of the boulders and disposal of the same on the valley side (Using bull-dozer) complete as directed by the Engineer-in-charge. | 113.90 | Cum |
| 1-10-3 | Slip clearance (by manual means) of loose earth and other small loose materials including disposal complete as directed by the Engineer-in-charge. | 224.30 | Cum |
| 1-10-4 | Slip clearance (by manual means) of earth and boulders including disposal complete as directed by the Engineer-in-charge. | 225.00 | Cum |
| 1-10-5 | Slip clearance (by manual means) of boulders only including disposal complete as directed by the Engineer-in-charge. | 240.90 | Cum |
| 1-11 | Setting Out (Construction of Reference Pillars, Back Pillars and Job Pillars) | | |
| 1-11-1 | Construction of reference pillars with RR 1:6 stone masonry and Plastered with 1:4 Mortar, (totally under ground) of length 200mm, width 200mm and height 300mm) as per Fig. 1600.1 (b) and Technical Specification Clause 1602.1 of MORD specifications. | 60.80 | No. |


DETAILS OF MEASUREMENT

133 A

कार्य का नाम:- जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० ६ हेमी० २-४ से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई ४.५०० कि०मी०)

| Sl.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 | | | | | |
| | Dumping Zone - A | | | | | |
| | Quantity for Wire Crates | 1x 1/2 | 24.00 | 1.50 | 0.50 | 9.00 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Dumping Zone - B | | | | | |
| | Quantity for Wire Crates | 1x 1/2 | 24.00 | 1.50 | 0.50 | 9.00 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Dumping Zone - C | | | | | |
| | Quantity for Wire Crates | 1x 1/2 | 24.00 | 1.50 | 0.50 | 9.00 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Dumping Zone - D | | | | | |
| | Quantity for Wire Crates | 1x 1/2 | 27.00 | 1.50 | 0.50 | 10.13 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | Quantity for Wire Crates | 1x 1/2 | 6.00 | 1.50 | 0.50 | 2.25 Cum. |
| | | | | | Total | 55.13 Cum. |
| 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 10 gauge BWG | | | | | |
| | Dumping Zone - A | | | | | |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 24.00 | 1.50 | 1.50 | 108.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Dumping Zone - B | | | | | |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 24.00 | 1.50 | 1.50 | 108.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Dumping Zone - C | | | | | |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 24.00 | 1.50 | 1.50 | 108.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Dumping Zone - D | | | | | |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 27.00 | 1.50 | 1.50 | 121.50 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | Quantity for Wire Crates in 2 layers | 1x 2 | 6.00 | 1.50 | 1.50 | 27.00 Cum. |
| | | | | | Total | 661.50 Cum. |
| 3 | Required area of Naap Land | | | | | |
| | Dumping point A | 1x 1 | 24.00 | 12.00 | - | 288.00 Sqm |
| | Dumping point B | 1x 1 | 24.00 | 12.00 | - | 288.00 Sqm |
| | Dumping point C | 1x 1 | 24.00 | 15.00 | - | 360.00 Sqm |
| | Dumping point D | 1x 1 | 27.00 | 12.00 | - | 324.00 Sqm |
| | | | | | Total | 1260.00 Sqm |
| | 10000 Sqm = One Hect. | | | | | 0.126 Hec |
| | Area of dumping yard in Naap Land | | | | | 0.126 Hec |


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

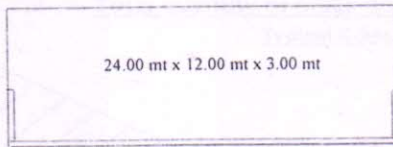

 Assistant Engineer
 Temp. Div. P.W.D.
 Kirtinagar

DETAILS OF MEASUREMENT

कार्य का नाम :- जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत धिलेडी-मणजुली मोटर मार्ग के किमी 0.6 हेमी 0.2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 किमी)

133 B

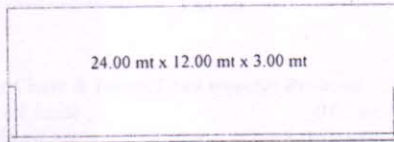
Dumping Zone No.- A



Plan of dumping zone A
Legal Status of Land- Naap Land

| | | | | | | | |
|--------------------------------|---|-------|-------|-------|------|--------|-----|
| Capacity of Dumping Zone No. A | = | 1x2/3 | 24.00 | 12.00 | 3.00 | 576.00 | Cum |
|--------------------------------|---|-------|-------|-------|------|--------|-----|

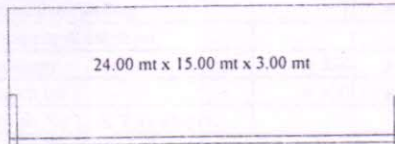
Dumping Zone No.- B



Plan of dumping zone B
Legal Status of Land- Naap Land

| | | | | | | | |
|--------------------------------|---|-------|-------|-------|------|--------|-----|
| Capacity of Dumping Zone No. B | = | 1x2/3 | 24.00 | 12.00 | 3.00 | 576.00 | Cum |
|--------------------------------|---|-------|-------|-------|------|--------|-----|

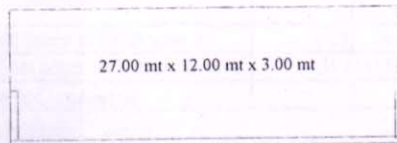
Dumping Zone No.- C



Plan of dumping zone C
Legal Status of Land- Naap Land

| | | | | | | | |
|--------------------------------|---|-------|-------|-------|------|--------|-----|
| Capacity of Dumping Zone No. C | = | 1x2/3 | 24.00 | 15.00 | 3.00 | 720.00 | Cum |
|--------------------------------|---|-------|-------|-------|------|--------|-----|

Dumping Zone No.- D




Plan of dumping zone D
Legal Status of Land- Naap Land


| | | | | | | | |
|--------------------------------|---|-------|-------|-------|------|--------|-----|
| Capacity of Dumping Zone No. D | = | 1x2/3 | 27.00 | 12.00 | 3.00 | 648.00 | Cum |
|--------------------------------|---|-------|-------|-------|------|--------|-----|

Total quantity of muck retained by Dumping zone A to D = 576+576+720+648=

2520.00 Cum

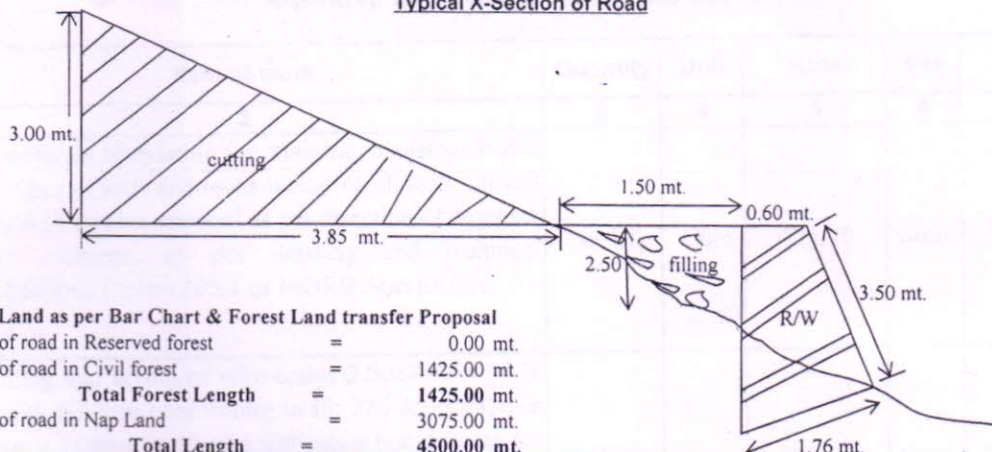

Add. Assis. Engineer
Temp. Div. P.W.D.
Kirtinagar


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


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

DETAILS OF MEASUREMENT

कार्य का नाम :- जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी 0 6 हेमी 0 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०)

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 | = | 1425.00 mt. |
| | Total Forest Length | = | 1425.00 mt. |
| | Length of road in Nap Land | = | 3075.00 mt. |
| | Total Length | = | 4500.00 mt. |

Calculation of Muck As Above Length

| | | | | | | | | | |
|------|--|---------|---|-------------------------------|---------------------|------|----------------|-----------------|-------------|
| 1 | Quantity of muck generated from cutting | 1 | x | 1/2 | 1425.00 | 3.85 | 3.00 | 8229.38 | Cum. |
| 2 | Quantity of muck from scupper & catch pit | | | | | | | | |
| A | Quantity of muck from scupper | 4.500 | x | 8.00 | 3.85 | 3.00 | 3.00 | 1247.40 | Cum. |
| B | Quantity of muck from catch pit | 4.500 | x | 8.00 | (1.5x1.5+2.1x2.1)/2 | 2.50 | | 299.70 | Cum. |
| | Quantity of muck from Sl No 1. & 2 as above. | | | | | | G-Total | 9776.48 | Cum. |
| 3 | Taking E.B, O.R & H.R @ 50%, 20%, & 30% respectively | | | | | | | | |
| i. | 50% E.B | 9776.48 | x | 0.50 | = | | | 4888.24 | Cum. |
| ii. | 20% O.R. | 9776.48 | x | 0.20 | = | | | 1955.30 | Cum. |
| iii. | 30% H.R. | 9776.48 | x | 0.30 | = | | | 2932.94 | Cum. |
| | | | | | | | Total = | 9776.48 | Cu |
| 4 | Quantity of muck as swell factor of (E.B. only) | 1.25 | x | 4888.24 | | | | 6110.30 | Cum |
| 5 | Quantity of total muck from point 3(ii), 3(iii) & 4 | | | Sl. No [3(ii) + 3(iii) + 4] = | | | | 10998.54 | Cum |
| | Quantity of total muck Generated | | | Say | | | | 10998.54 | Cum |

Disposal & use of material

| | | | | | | | |
|---|---|--|--|--|--|----------------|------------|
| 1 | Quantity used for super elevation, grade improve - ment & patrie filling of road @ 10% of E.B. Only | = (1955.30 x 10/100) = | | | | 611.03 | Cum |
| 2 | Quantity eroded by wind and water @ 5% of E.B. only | = (1955.30 x 5/100) = | | | | 305.52 | Cum |
| 3 | Quantity of muck disposed in filling (retained by R/W) in 60% length | = (1425.00 x 1.50 x 2.50)/2 x 60% | | | | 1603.13 | Cum |
| 4 | Quantity of stones used Scuppers and catch pit @ 57.00 cum. Per no. | = 57.00 x 8.00 x 4.500 | | | | 2052.00 | Cum |
| 5 | Quantity of stones used in R/W in 60% length | = 1425.00 x (0.60+1.76)/2 x 3.50 x 60% | | | | 3531.15 | Cum |
| 6 | Quantity of stones used in Wire Crates for 4 dumping zones | As per details | | | | 661.50 | Cum |
| | Total quantity of muck used at site including weathering by nature | | | | | 8764.33 | Cum |

Quantity of muck retained = 10998.54 - 8764.33 = 2234.22 Cu

निस्तारित की जाने वाली मलवे की मात्रा =

2234.22 Cum अथवा 2234.00 Cum

इस प्रकार से उत्सर्जित मलवे का लगभग सम्पूर्ण उपयोग सतह की रिग्रेडिंग 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 गये हैं जिससे वन सम्पदा आदि की क्षति नहीं होगी। निस्तारित किये जाने वाले स्थानों का प्रस्ताव संलग्न लाईन डायग्राम में दर्शाया जा रहा है।

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

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

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

BILL OF QUANTITY

जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत
चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का
नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०)

| 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 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 | 55.13 | Cum. | 374.70 | Cum. | 20655.34 |
| 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 10 gauge BWG | 661.50 | Cum. | 1741.20 | Cum. | 1151803.80 |
| | | | | Total | | 1172459.14 |


AAE


A.E.


E.E.

प्राक्कलन बाबत हेवल कोयर मैट वेटीवर घास उपचार करना

जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०)

समस्त प्रस्तावित डम्पिंग प्वाइंट का क्षेत्रफल =

0.1260 हेक्टेयर

रेंज- कीर्तिनगर,

उप वन प्रभाग- देवप्रयाग,

प्रभाग- नरेन्द्र नगर वन प्रभाग (मुनिकीरेती)

| क्र० सं० | कार्य का विवरण | स० | लम्बाई | चौड़ाई | ऊँचाई | मात्रा | इकाई | दर | धनराशि |
|-----------|---|----|--------|--------|-------|----------|------|---------|----------|
| 1 | स्थल की सफाई झाड़ी कटान कार्य करना | 1 | | | | 0.1260 | हे० | 1350.00 | 170.10 |
| 2 | वेटीवर घास की पिण्डी पौध तैयार करना व लगाना (घास व सुवली के मूल्य सहित) | 1 | | | | 5000.00 | स० | 1.21 | 6050.00 |
| 3 | माल गाड़ी का भाडा | 1 | | | | 1500.00 | स० | | 1500.00 |
| 4 | नर्सरी में पौध को गली खोदकर उखाड़ना | 1 | | | | 5000.00 | स० | 0.80 | 4000.00 |
| 5 | उतराई चडाई एव सिर बौध डुलान | 1 | | | | 5000.00 | स० | 0.18 | 900.00 |
| 6 | घास रोपण करना | 1 | | | | 5000.00 | S.M | 1.47 | 7350.00 |
| 7 | जूट मैट का मूल्य | 1 | | | | 1260.00 | | 25.00 | 31500.00 |
| 8 | जूट मैट को साइड में लाने के लिये लेवर | 1 | | | | 3 श्रमिक | | 330 | 990.00 |
| 9 | अन्य आकस्मिक व्यय | 1 | | | | | | | 2000.00 |
| Sub Total | | | | | | | | | 54460.10 |
| Or Say | | | | | | | | | 54500.00 |

वन क्षेत्राधिकारी
कीर्तिनगर राजि
नरेन्द्र नगर वन प्रभाग

Estimation of Pirul checkdam

जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० ६
हेमी० २-४ से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई ४.५०० कि०मी०)

समस्त प्रस्तावित डम्पिंग प्वाइट का क्षेत्रफल =

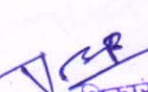
०.१२६० हेक्टेयर

रेंज- कीर्तिनगर,

उप वन प्रभाग- देवप्रयाग,

प्रभाग- नरेन्द्र नगर वन प्रभाग (मुनिकीरेती)


| LSno | Item Description | Unit | Nos | | | Length (m) | Width - (m) | Height (m) | Quantity | Rate | Amount |
|---------------------------------------|---|------|-----|---|----|---------------|----------------|---------------|----------|-------|----------|
| 1 | Digging of Pits 30x45x90 cm and fixing live posts | Nos | 1 | x | 8 | | | | 8 | 15 | 120.00 |
| 2 | Fixing of live Posts with D.I. wire (0.103 kg/m) | Kg | 1 | x | 1 | | | | 3.09 | 70 | 216.30 |
| 3 | Cartage of live posts | Nos | 1 | x | 10 | | | | 10 | 45.00 | 450.00 |
| | | Nos | 1 | x | 10 | | | | 10 | 45.00 | 450.00 |
| 4 | Filling Pirul in Centre of posts | L.S | | | | | | | | | 500.00 |
| 5 | Galvanised wire mesh | Sqm | 1 | x | 3 | 3.00 | 1.00 | | 9.00 | 250 | 2250.00 |
| | | | 1 | x | 2 | 1.00 | 1.00 | | 2.00 | 250 | 500.00 |
| Total | | | | | | | | | | | 4486.30 |
| 6 | Planting of Shurbs, Grass & tree Species | Each | | | | | | | | | |
| | a. Grass | No | 1 | x | 10 | | | | 10 | 11.96 | 119.60 |
| | b. Shurbs | No | 1 | x | 10 | | | | 10 | 11.96 | 119.60 |
| | c. Cutting tree species | No | 1 | x | 6 | | | | 6 | 34.84 | 209.04 |
| 7 | Seed Sowing | Pit | 1 | x | 10 | | | | 10 | 10.93 | 109.30 |
| 557.54 | | | | | | | | | | | |
| Sub Total | | | | | | | | | | | 5043.84 |
| Or Say | | | | | | | | | | | 5000.00 |
| Total Proposed Check Dams | | | | | | | | | | | 2 |
| Total Cost of all Proposed Check Dams | | | | | | | | | | | 10000.00 |



 वन क्षेत्राधिकारी
 कीर्तिनगर राजि
 नरेन्द्र नगर वन प्रभाग


Summary of Estimated cost

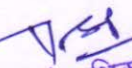
कार्य का नाम— जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०)


| S.No. | ITEM OF WORK | AMOUNT |
|-------|---|-----------------|
| 1 | जनपद टिहरी गढ़वाल के विधानसभा क्षेत्र देवप्रयाग के विकास खण्ड कीर्तिनगर के अन्तर्गत चिलेडी-मणजुली मोटर मार्ग के किमी० 6 हेमी० 2-4 से चौरीखाल-सिरवाडी-काण्डा मोटर मार्ग का नवनिर्माण कार्य (लम्बाई 4.500 कि०मी०) | Rs.1,172,459.14 |
| | GST Extra @ 12% (6%SGST+6%CGST) | Rs.140,695.10 |
| 2 | हेवल कोयर मैट वेटिवर घास उपचार करना | Rs.54,460.10 |
| 3 | प्रस्तावित क्षेत्र में पैरुल चौक डेम का निर्माण कार्य | Rs.10,000.00 |
| | Total | Rs.1,377,614.34 |
| | Say | Rs.13.78 |



Adnl. Asstt 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 क्षेत्राधिकारी
कीर्तिनगर राजि
नरेन्द्र नगर वन प्रभाग


SDO(D)


प्रभगायी वनाधिकारी
नरेन्द्रनगर वन प्रभाग
मुनि-की-रेती