

# Name of Work: Construction of Naudkhal Mala to Kota Motor Road (Stage-I)

Motor Road under NPCC Limited

Length: 12.050 KM

Name of Block: Yamkeshwar (Pauri Garhwal)

Muck Dumping Area Civil land

| S. No. | Location of wire-Crate |              |               | Type of Land | No. | Size of catchment of wire-crate |            | Area (sqm) | Area (Hect) |
|--------|------------------------|--------------|---------------|--------------|-----|---------------------------------|------------|------------|-------------|
|        | X- section's           | Latitude     | Longitude     |              |     | Length (m)                      | Wirdth (m) |            |             |
| 1      | Chainage 0.175 km      | 30°5'27.50"N | 78°24'45.28"E | Civil Land   | 1   | 55.00                           | 13.00      | 715.00     | 0.07        |
| 2      | Chainage 1.125 km      | 30°5'39.15"N | 78°24'56.77"E | Civil Land   | 1   | 60.00                           | 31.00      | 1860.00    | 0.19        |
| 3      | Chainage 1.800 km      | 30°5'42.03"N | 78°25'6.69"E  | Civil Land   | 1   | 50.00                           | 21.50      | 1075.00    | 0.11        |
| 4      | Chainage 2.700 km      | 30°5'44.65"N | 78°24'55.79"E | Civil Land   | 1   | 40.00                           | 21.50      | 860.00     | 0.086       |
| 5      | Chainage 3.550 km      | 30°5'57.68"N | 78°24'45.54"E | Civil Land   | 1   | 50.00                           | 16.00      | 800.00     | 0.1         |
| 6      | Chainage 4.125 km      | 30°6'11.27"N | 78°24'40.86"E | Civil Land   | 1   | 40.00                           | 12.00      | 480.00     | 0.048       |
| 7      | Chainage 4.650 km      | 30°6'1.81"N  | 78°24'30.74"E | Civil Land   | 1   | 60.00                           | 16.00      | 960.00     | 0.096       |
| 8      | Chainage 5.025 km      | 30°6'1.60"N  | 78°24'17.20"E | Civil Land   | 1   | 50.00                           | 15.40      | 770.00     | 0.08        |
| 9      | Chainage 6.200 km      | 30°6'11.47"N | 78°24'25.58"E | Civil Land   | 1   | 40.00                           | 12.00      | 480.00     | 0.05        |
| 10     | Chainage 6.825 km      | 30°6'22.68"N | 78°24'14.34"E | Civil Land   | 1   | 30.00                           | 11.00      | 330.00     | 0.03        |
| 11     | Chainage 7.375 km      | 30°6'26.00"N | 78°24'4.43"E  | Civil Land   | 1   | 55.00                           | 15.00      | 825.00     | 0.1         |
| 12     | Chainage 7.900 km      | 30°6'29.00"N | 78°23'55.00"E | Civil Land   | 1   | 55.00                           | 20.00      | 1100.00    | 0.11        |
| 13     | Chainage 9.575 km      | 30°7'14.20"N | 78°24'28.27"E | Civil Land   | 1   | 35.00                           | 9.00       | 315.00     | 0.032       |
| 14     | Chainage 10.300 km     | 30°7'36.10"N | 78°24'24.87"E | Civil Land   | 1   | 42.00                           | 10.00      | 420.00     | 0.042       |
| 15     | Chainage 10.800 km     | 30°7'38.26"N | 78°24'35.02"E | Civil Land   | 1   | 45.00                           | 8.00       | 360.00     | 0.036       |
| 16     | Chainage 11.550 km     | 30°7'30.04"N | 78°24'38.40"E | Civil Land   | 1   | 50.00                           | 11.00      | 550.00     | 0.06        |
| Total  |                        |              |               |              |     | 757.00                          | 242.40     | 11900.00   | 1.20        |

Vikram  
(AE)

Prabhu  
(JE)

jagindar  
PMU  
PMGEY. DUGADDA  
PAURI GARHWAL (UK)

**Name of Work: Construction of Naudkhal Mala to Kota Motor Road (Stage-I)**  
**Motor Road under NPCC Limited**

Name of Block: Yamkeshwar (Pauri Garhwal)

**Length: 12.050 KM**

**TOTAL CARRYING CAPACITY OF DUMPING YARD**

| S. No. | Location of wire-Crate |              |               | Type of Land | No. | Size of catchment of wire-crate |            |            | Quantity | Unit |
|--------|------------------------|--------------|---------------|--------------|-----|---------------------------------|------------|------------|----------|------|
|        | X- section's           | Latitude     | Longitude     |              |     | Length (m)                      | Wirdth (m) | Height (m) | (cum)    |      |
|        |                        |              |               |              |     |                                 |            |            |          |      |
| 1      | Chainage 0.175 km      | 30°5'27.50"N | 78°24'45.28"E | Civil Land   | 2/3 | 55.00                           | 13.00      | 3.90       | 2788.50  | Cum  |
|        |                        |              |               |              | 2/3 | 55.00                           | 13.00      | 4.00       | 2860.00  | Cum  |
| 2      | Chainage 1.125 km      | 30°5'39.15"N | 78°24'56.77"E | Civil Land   | 2/3 | 60.00                           | 31.00      | 3.80       | 7068.00  | Cum  |
|        |                        |              |               |              | 2/3 | 60.00                           | 31.00      | 3.90       | 7254.00  | Cum  |
| 3      | Chainage 1.800 km      | 30°5'42.03"N | 78°25'6.69"E  | Civil Land   | 2/3 | 50.00                           | 10.00      | 4.08       | 2040.00  | Cum  |
|        |                        |              |               |              | 2/3 | 50.00                           | 10.00      | 4.00       | 2000.00  | Cum  |
| 4      | Chainage 2.700 km      | 30°5'44.65"N | 78°24'55.79"E | Civil Land   | 2/3 | 40.00                           | 11.00      | 3.70       | 1628.00  | Cum  |
|        |                        |              |               |              | 2/3 | 40.00                           | 11.00      | 4.20       | 1848.00  | Cum  |
| 5      | Chainage 3.550 km      | 30°5'57.68"N | 78°24'45.54"E | Civil Land   | 2/3 | 50.00                           | 12.00      | 4.10       | 2460.00  | Cum  |
|        |                        |              |               |              | 2/3 | 50.00                           | 12.00      | 4.00       | 2400.00  | Cum  |
| 6      | Chainage 4.125 km      | 30°6'11.27"N | 78°24'40.86"E | Civil Land   | 2/3 | 40.00                           | 12.00      | 4.10       | 1968.00  | Cum  |
|        |                        |              |               |              | 2/3 | 40.00                           | 12.00      | 3.80       | 1824.00  | Cum  |
| 7      | Chainage 4.650 km      | 30°6'1.81"N  | 78°24'30.74"E | Civil Land   | 2/3 | 60.00                           | 10.00      | 4.00       | 2400.00  | Cum  |
|        |                        |              |               |              | 2/3 | 60.00                           | 10.00      | 3.90       | 2340.00  | Cum  |
| 8      | Chainage 5.025 km      | 30°6'1.60"N  | 78°24'17.20"E | Civil Land   | 2/3 | 50.00                           | 8.00       | 4.10       | 1640.00  | Cum  |
|        |                        |              |               |              | 2/3 | 50.00                           | 8.00       | 4.00       | 1600.00  | Cum  |
| 9      | Chainage 6.200 km      | 30°6'11.47"N | 78°24'25.58"E | Civil Land   | 2/3 | 40.00                           | 12.00      | 4.00       | 1920.00  | Cum  |
|        |                        |              |               |              | 2/3 | 40.00                           | 12.00      | 4.10       | 1968.00  | Cum  |
| 10     | Chainage 6.825 km      | 30°6'22.68"N | 78°24'14.34"E | Civil Land   | 2/3 | 30.00                           | 11.00      | 4.10       | 1353.00  | Cum  |
|        |                        |              |               |              | 2/3 | 30.00                           | 11.00      | 4.10       | 1353.00  | Cum  |
| 11     | Chainage 7.375 km      | 30°6'26.00"N | 78°24'4.43"E  | Civil Land   | 2/3 | 55.00                           | 12.00      | 4.00       | 2640.00  | Cum  |
|        |                        |              |               |              | 2/3 | 55.00                           | 12.00      | 3.95       | 2608.98  | Cum  |
| 12     | Chainage 7.900 km      | 30°6'29.00"N | 78°23'55.00"E | Civil Land   | 2/3 | 55.00                           | 7.00       | 4.10       | 1578.50  | Cum  |
|        |                        |              |               |              | 2/3 | 55.00                           | 7.00       | 4.00       | 1540.00  | Cum  |
| 13     | Chainage 9.575 km      | 30°7'14.20"N | 78°24'28.27"E | Civil Land   | 2/3 | 35.00                           | 9.00       | 3.80       | 1197.00  | Cum  |
|        |                        |              |               |              | 2/3 | 35.00                           | 9.00       | 4.10       | 1291.50  | Cum  |
| 14     | Chainage 10.300 km     | 30°7'36.10"N | 78°24'24.87"E | Civil Land   | 2/3 | 42.00                           | 8.00       | 4.10       | 1377.60  | Cum  |
|        |                        |              |               |              | 2/3 | 42.00                           | 10.00      | 4.00       | 1680.00  | Cum  |
| 15     | Chainage 10.800 km     | 30°7'38.26"N | 78°24'35.02"E | Civil Land   | 2/3 | 45.00                           | 8.00       | 3.90       | 1404.00  | Cum  |
|        |                        |              |               |              | 2/3 | 45.00                           | 8.00       | 4.10       | 1476.00  | Cum  |
| 16     | Chainage 11.550 km     | 30°7'30.04"N | 78°24'38.40"E | Civil Land   | 2/3 | 50.00                           | 11.00      | 3.90       | 2145.00  | Cum  |
|        |                        |              |               |              | 2/3 | 50.00                           | 6.00       | 4.00       | 1200.00  | Cum  |
| Total  |                        |              |               |              |     | 1464.00                         | 361.00     |            | 69651.08 | Cum  |

Carrying Capacity of Dumping Yard = 69651.08 Cum

Total Quantity of material to be disposed to the dumping yard = 69532.56 Cum

Hence Safe. 118.52 Cum

*Vikram*  
(SE)

*Prabhu*  
(JE)

*joginder*  
PRU  
PMGSY, DUGADDA  
PAURI GARHWAL (JK)

Name of Work: Construction of Naudkhal Mala to Kota Motor Road (Stage-I)

Motor Road under NPCC Limited

Name of Block: Yamkeshwar (Pauri Garhwal)

Muck Received From Hill Side Cutting

| S.No. | Description of work                      | Quantity  | Unit |
|-------|------------------------------------------|-----------|------|
| 1     | Material received form hill side cutting | 87500.00  | Cum  |
|       | Add 25% for Swell Factor for soil.       | 21875     | Cum  |
|       | Total                                    | 109375.00 | Cum  |
|       | Disposal and use of Material             |           |      |
| 2     | R.R Stone Masonary Laid in 1:5           | 9000      | Cum  |
| 3     | R.R Stone Masonary Laid in Dry           | 7000      | Cum  |
| 4     | Hand packed stone Filling                | 3000      | Cum  |
| 5     | Bolder apron                             | 1900      | Cum  |
| 6     | construction of Parapet                  | 42.44     | Cum  |
| 7     | Construction of Scupper                  | 1000      | Cum  |
| 8     | material to be used along road side      | 17900     | Cum  |
|       | Total used                               | 39842.44  | Cum  |

quantity Muck to be disposed at dumping places ( i.e  
Material received - material used )

69532.56 cum

TOTAL

69532.56 Cum

Prabhu  
(JE)

✓: Kram  
(AE)

joginder  
PMGS  
DUGADDA  
PAURI GARHWAL (UK)



# Muck Disposal Plan

Name of Work: Construction of Naudkhal Mala to Kota Motor Road (Stage-I)

Name of Block: Yamkeshwar (Pauri)

Length: 12.050 KM

## Summary of Results

1 The Quantity of material received from hill side cutting i/c soil factor = 248637.5 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

2 The quantity of material used in various items = 134510.3 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

3 The remaining quantity of muck for dumping 114127 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

4 Total Numbers of dumping yards needed for the dumping of muck =  
(i) In Civil Soyam Land = 16 Nos  
(ii) In Nap Land = 0 Nos  
Total = 16 Nos  
(Sheet attached on page no. Of Muck disposal estimate)

5 Carrying capacity of dumping yards with proper dimensions & coordinates  
(i) In Civil Soyam Land = 114128.4 Cum  
(ii) In Nap Land = 0 Cum  
Total = 114128.4 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

6 Land Ownership Reports  
(Sheet attached on page no. Of Muck disposal estimate)

7 Total Amount for Construction of Dumping Yards  
(i) In Civil Soyam Land = 61.78 Lacs  
(ii) In Nap Land = 0 Lacs  
Total = 61.78 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

8 Cost of treatment plan =  
(i) In Civil Soyam Land = Lacs  
(ii) In Nap Land = Lacs  
Total = 0 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

9 Total Amount in  
(i) In Civil Soyam Land = 61.78 Lacs  
(ii) In Nap Land = 0.00 Lacs  
Total = 61.78 Cum  
(Sheet attached on page no. Of Muck disposal estimate)

Prabhu  
(JG)

Vikram  
(AE)

PMGS DUGADDA  
PAURI GARHWAL (N)