



ग्रामीण कार्य विभाग



(बिहार सरकार)

क्षतिग्रस्त पथ का नाम

Chharapatti to Laukahi

Mahadev Math Raja rampatti

Narhaiya Road Ch- 33.375 to

44.110

(Estimated Cost:-^{20.139}~~25.40322~~ Lakh)

L = 8.730 km.

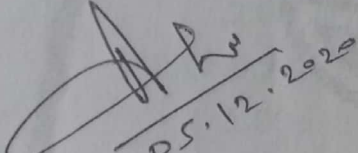
ग्रामीण कार्य विभाग,
कार्य प्रमंडल- फुलपरास।

प्रतिवेदन

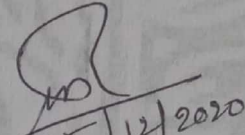
पथ का नाम:- Chharapatti to Laukahi Mahadev Math Raja rampatti
Narhaiya Road Ch- 33.375 to 44.110. पथ का बाढ़ से क्षतिग्रस्त पथ में मरम्मत कार्य
प्राक्कलित राशि :- 2540322.00रु0 [L= 8.730K.M]

प्रस्तुत प्राक्कलन कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल फुलपरास (मधुबनी) के निदेशानुसार तैयार कर तकनीकी एवं प्रशासनिक स्वीकृति हेतु समर्पित की जाती है। उक्त पथ में कालीकरण क्षतिग्रस्त होने एवं कटाव होने के कारण आवागमन बाधित हो गया है। उक्त पथ में सुदृढीकरण कार्य अति आवश्यक है।

प्रस्तुत प्राक्कलन दरभंगा अंचल से प्राप्त वर्तमान दर अनुसूची के अनुरूप तैयार कर प्रशासनिक एवं तकनीकी स्वीकृति हेतु समर्पित की जाती है।


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अवर प्रमंडल


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कार्य प्रमंडल फुलपरास

बिहार सरकार

Detailed estimate For restoration of road From Chharapatti to
Laukahi Mahadev Math Raja ranipatti Narhaiya Road Ch- 33.375 to
44.110 Km Road FDR 2020. [L= 8.730 km]

1. Restoration of road embankment using brick bats.....etc.

At Change 000.00 to 0.100

$$23.00 \times (1.50 + 2.80)/2 \times (4.00 + 3.50)/2 \times \frac{+0.75}{3} = 250.125 \text{ m}^3 \text{ 135.98}$$

$$7.00 \times (2.50 + 2.40)/2 \times 0.60 = 10.29 \text{ m}^3$$

$$11.00 \times (1.50 + 3.00)/2 \times \frac{2.50 + 0.75 + 2.50 + 0.160}{3} = 61.875 \text{ m}^3 \text{ 31.75}$$

At. Change- 0.100 to 0.200

$$1.00 \times 3.00 \times 0.80 \times 0.60 = 1.44 \text{ m}^3$$

$$1.00 \times (7.00 + 3.00)/2 \times 3.00 \times 0.60 = 9.00 \text{ m}^3$$

At. Change- 0.500 to 0.600

$$1.00 \times 10.00 \times 2.30 \times 0.60 = 13.80 \text{ m}^3$$

$$1.00 \times 5.50 \times 2.40 \times 0.60 = 7.92 \text{ m}^3$$

$$1.00 \times 8.00 \times 2.40 \times 0.60 = 11.52 \text{ m}^3$$

$$1.00 \times 9.00 \times 4.00 \times 0.6 = 21.60 \text{ m}^3$$

At. Change- 0.600 to 0.700

$$1.00 \times 11.00 \times 2.60 \times 0.75 = 21.45 \text{ m}^3$$

$$1.00 \times 18.70 \times 3.30 \times \frac{0.75 + 0.30 + 0.75 + 0.25}{3} = 46.283 \text{ m}^3 \text{ 26.74}$$

$$1.00 \times 5.00 \times 1.50 \times 0.75 = 5.63 \text{ m}^3$$

$$1.00 \times 3.00 \times 0.50 \times 0.75 = 1.25 \text{ m}^3$$

$$1.00 \times 13.00 \times (1.20 + 1.80)/2 \times \frac{1.00 + 0.70 + 1.00 + 0.50}{3} = 19.50 \text{ m}^3 \text{ 14.30}$$

$$1.00 \times 9.00 \times (1.00 + 1.60)/2 \times \frac{1.00 + 0.80 + 1.00 + 0.60}{3} = 11.70 \text{ m}^3 \text{ 9.36}$$

$$1.00 \times 55.00 \times (1.40 + 1.00 + 0.9)/3 \times \frac{(0.60 + 0.90) + 0.50}{2} = 43.86 \text{ m}^3 \text{ 40.29}$$

$$1.00 \times 19.00 \times (0.80 + 1.00)/2 \times \frac{0.90 + 0.40 + 0.90 + 0.35}{3} = 15.39 \text{ m}^3 \text{ 9.40}$$

$$1.00 \times 13.00 \times (1.20 + 1.60)/2 \times \frac{1.00 + 0.75 + 1.00 + 0.60}{3} = 18.20 \text{ m}^3 \text{ 14.25}$$

$$1.00 \times 7.00 \times 1.40 \times 0.75 = 7.35 \text{ m}^3$$

$$1.00 \times 4.00 \times 1.30 \times 0.75 = 3.90 \text{ m}^3$$

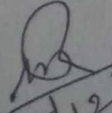
At. Change- 3000.00

$$1.00 \times 10.00 \times 1.50 \times 0.75 = 11.25 \text{ m}^3$$

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1.00 x 6.00 x 2.00 x 0.60	=7.20 m ³
RCC Approach. 1.00 x 4.00 x 3.00 x 15.00 x 0.90	=16.20 m ³
1.00 x 3.00 x 1.50 x 0.60	=2.70 m ³
1.00 x 2.00 x 1.50 x 0.60	=1.80 m ³
1.00 x 9.00 x 2.00 x 0.75	=13.50 m ³
1.00 x 13.00 x 1.40 x 0.75	=13.65 m ³
1.00 x 11.00 x 3.50 x 0.60	=23.10 m ³
1.00 x 6.60 x 1.80 x 0.60	=7.13 m ³
1.00 x 14.60 x 2.00 x 0.75	=21.90 m ³
1.00 x 4.00 x 3.00 x 2.00 x 0.90	=21.60 m ³
1.00 x 10.00 x 2.10 x 0.60	=12.60 m ³
1.00 x 31.00 x 2.20 x (0.75+0.90)/2 ^{+0.40}	=56.265 m ³ 46.60
1.00 x 7.00 x 2.50 x 0.75	=13.125 m ³
At. Change- 6000. 00	
1.00 x 8.30 x 2.20 x 0.60	=10.956 m ³
1.00 x 18.00 x 3.50 x 0.60	=37.80 m ³
1.00 x 22.60 x (4.00 +5.50)/2 x 0.75 ^{0.60+0.75+0.50}	=80.51 m ³ 66.19
1.00 x 8.00 x 2.70 x 0.60	=12.96 m ³
1.00 x 8.50 x 1.80 x 0.60	=9.18 m ³
1.00 x 8.00 x 2.00 x 0.75	=12.00 m ³
1.00 x 9.30 x ^{5.00} 6.10 x 0.60 ^{0.25+0.60+0.30}	=34.04 m ³ 17.82
1.00 x 9.375 x 0.75	=7.03 m ³
4.00 x 3.00 x 1.00	=12.00 m ³
3.00 x 2.00 x 1.00	=6.00 m ³
8.00 x 2.50 x 0.60	=12.00 m ³
4.00 x 2.00 x 1.00	=8.00 m ³
3.50 x 2.20 x 0.60	=4.62 m ³
5.00 x 1.50 x 2.60 x 1.00	=19.50 m ³
1.00 x 4.00 x 2.00 x 1.00	=8.00 m ³
1.00 x 3.00 x 2.50 x 0.75	=5.625 m ³
4.00 x 3.00 x 2.00 x 0.75	=18.00 m ³
5.00 x 0.80 x 0.75	=3.00 m ³
1.50 x 0.75 x 0.75	=0.84 m ³
3.00 x 1.00 x 0.60	=1.80 m ³


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$17.00 \times (1.00+1.50)/2 \times 1.00$	$\frac{0.55+1.00+0.70}{3}$	$=21.25 \text{ m}^3$	15.93
$13.00 \times (1.00 + 1.50)/2 \times 1.00$	$\frac{0.45+1.00+0.65}{3}$	$=16.25 \text{ m}^3$	11.37
$7.00 \times 1.00 \times 0.80$		$=5.60 \text{ m}^3$	
$3.00 \times 1.00 \times 0.60$		$=1.80 \text{ m}^3$	
$1.00 \times 1.00 \times 0.60$		$=0.60 \text{ m}^3$	
$3.00 \times 1.50 \times 0.75$		$=3.375 \text{ m}^3$	
		Total	=1156.674 m³
			921.406 m³

2. Restoration of road embankment using Bamboo Piling.....etc.

60 Nos. x 6.00m	$=360.00\text{m}$
Total	=360.00m

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Detailed estimate For restoration of road From Chharapatti to
Laukahi Mahadev Math Raja ranipatti Narhaiya Road Ch- 33.375 to
44.110 Under FDR 2020. [L=8.730K.M]

Abstract Of Cost.

1. Restoration of Road embankment using Brick Bats.....etc....
^{921.406}
~~1156.674~~m³@Rs. 1840.16/m³ = Rs. ~~2128465~~^{16,95,534.00}=00

2. Restoration of Road embankment using Bamboo Piling.....etc....
~~360.00~~m@Rs. 30.00/m = Rs. ~~10800~~=00

^{16,95,534.00}
Total =Rs. ~~2139265~~=00

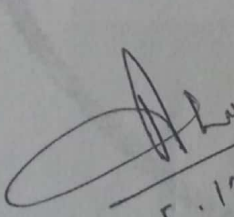
^{2,03,464.00}
Add GST 12%=Rs. ~~256711~~=00

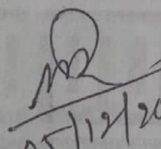
^{16,95,534.00}
Add LC 1% = Rs. ~~21392~~=00

^{97,946.00}
S. Fee = Rs. ~~122954~~=00

Total = Rs. ~~2540322~~=00

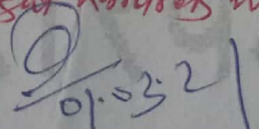
^{20,13,899.00}


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सहायक अभियंता, आपका विभाग, कार्य अर्वा यमंडल-मनीगादी का पत्रांक:-01 अम
कुमपरास - दिनांक:-27.02.21 के द्वारा स्वीकृत-पॉल-प्रतिकेन के आधार पर -
Post-Feeto T/A Rs 20,13,899.00 (Rupees Twenty lacs -
thirteen thousand eight hundred ninety nine only).


01.03.21

Superintending Engineer
RWD, Works Circle, Darbhanga
01/03/2021