



ग्रामीण कार्य विभाग



(बिहार सरकार)

क्षतिग्रस्त पथ का नाम

MODHIYARI TOL DHARAMTOL RWD
SADAK (Jagat pur Sansha).

(Estimated Cost:- ^{29.293}~~36.02943~~ Lakh)

Length: 3.115 km.

ग्रामीण कार्य विभाग,
कार्य प्रमंडल- फुलपरास।

बिहार सरकार

प्रतिवेदन

पथ का नाम:- MODHUYARI JOL DHURAMJOL RWD SADBOK

पथ का बाढ़ से क्षतिग्रस्त पथ में मरम्मती कार्य
L= 3.115 km.

प्राक्कलित राशि :- 3602943 लाख 00

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

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कार्य प्रमंडल फुलपरास

बिहार सरकार

Estimate for Restoration of road from Jagatpur Sanstha d
Nijani tal diharantol RWD SADAK. UNDER:- F.D.R. 3.115 km.

Restoration of road & embankment using bricks bats.

Chainage:- 100M

$$1 \times 5M \times \frac{1+2}{2} \times \frac{0.6+0.9}{2} = 5.62M^3$$

Chainage:- 900M

$$1 \times 20M \times \frac{2M+3M}{2} \times \frac{0.5+0.9+0.6}{3} = 33.30M^3$$

$$1 \times 9M \times \frac{1M+3M}{2} \times \frac{0.85}{3} \times \frac{1+2+1}{3} = 24.00M^3 \quad 21.60$$

$$1 \times 4M \times \frac{2M+5M}{2} \times \frac{0.85}{3} \times \frac{1M+2M+1M}{3} = 18.66M^3 \quad 16.33$$

Chainage:- 1000M

$$1 \times 29M \times \frac{2.0+3M}{2} \times \frac{0.90}{3} \times \frac{1.0+1.5+1.10}{3} = 174.00M^3 \quad 78.54$$

$$1 \times 9.6M \times \frac{2M+3M}{2} \times \frac{0.80}{3} \times \frac{1.0+1.5+1.10}{3} = 28.00M^3$$

Chainage:- 1300M

$$1 \times 7.5M \times \frac{1M+2M}{2} \times \frac{0.80}{3} \times \frac{1.0+1.5+1.10}{3} = 13.12M^3 \quad 12.00$$

$$1 \times 14.5M \times \frac{1.5+2.0}{2} \times \frac{0.40}{2} \times \frac{0.6+0.9+0.50/2}{2} = 19.03M^3 \quad 15.22$$

$$1 \times 29M \times \frac{1.5M+2.00}{2} \times \frac{0.45}{2} \times \frac{0.6+0.9+0.55/3}{2} = 38.06M^3 \quad 32.14$$

Chainage:- 1500M

$$1 \times 30M \times \frac{1.6+2.00}{2} \times \frac{0.40}{2} \times \frac{0.75+0.9+0.75/3}{2} = 44.55M^3 \quad 36.90$$

$$1 \times 19.6M \times \frac{1M+2.25}{2} \times \frac{0.75+1M+0.75}{3} = 18.36M^3$$

Chainage:- 1900M

$$1 \times 8M \times \frac{1.75+2.00}{2} \times \frac{0.75+1M+0.75}{3} = 12.51M^3$$

$$1 \times 20M \times \frac{0.9+1.20}{2} \times \frac{0.9+1.30+0.9}{3} = 21.70M^3$$

Chainage:- 2100M

$$1 \times 15M \times \frac{0.9+1.6}{2} \times \frac{0.70}{2} \times \frac{0.9+1.2+0.85/3}{2} = 19.69M^3 \quad 17.17$$

$$1 \times 9.5M \times \frac{1.5+2.5}{2} \times \frac{0.65}{2} \times \frac{0.9+2.00+0.90/3}{2} = 27.58M^3 \quad 22.48$$

Chainage:- 2600M

$$1 \times 15M \times \frac{1.5+2M}{2} \times \frac{0.70}{2} \times \frac{0.9+1.20+0.75/3}{2} = 28.87M^3 \quad 23.18$$

$$1 \times 50M \times \frac{0.6+0.9+1.1}{3} \times \frac{0.45}{2} \times \frac{0.6+0.9+0.70/3}{2} = 32.5M^3 \quad 29.59$$

$$1 \times 20M \times \frac{1.4+2M}{2} \times \frac{0.45}{2} \times \frac{0.75+0.90+0.70/3}{2} = 28.05M^3 \quad 23.23$$

$$1 \times 22M \times \frac{3.5+5.5}{2} \times \frac{0.90}{3} \times \frac{1.5+2.00+1.5}{3} = 165.00M^3 \quad 123.75$$

$$1 \times 30M \times \frac{3.00+7.00}{2} \times \frac{1.90}{3} \times \frac{2.75+3.00+2.5}{3} = 412.50M^3 \quad 325.00$$

$$1 \times 30M \times \frac{2+4}{2} \times \frac{0.95}{3} \times \frac{1.5+2.5+1.5}{3} = 165.00M^3 \quad 129.00$$

$$1 \times 4.6M \times \frac{2+2.5}{2} \times \frac{0.6+1.10}{2} = 8.28M^3$$

$$1 \times 9M \times \frac{2.00+2.5}{2} \times \frac{0.75+0.9}{2} = 16.71M^3$$

05/11/2020
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$$1 \times 5M \times \frac{1M+2M}{2} \times \frac{0.30+0.6}{2} = 3.37M^3$$

$$1 \times 9M \times \frac{1.5+2.5}{2} \times \frac{0.6+0.9+1.5}{3} = 18.0M^3 \quad 13.50$$

$$1376.46M^3$$

$$1067.48M^3$$

Item No:-(2) Labour For 62MM TO 75MM dia bamboo piling manually with all complete job.

$$\text{Total length} = 2 \times 80M = 160M$$

$$1 \times 40M = 40M$$

$$\text{Total} = 200M$$

$$C/C \text{ distance of pile} = 0.5M$$

$$\text{Nos of pile} = 200/0.5 + 1 = 401 \text{ Nos}$$

$$\text{Length of pile} = 3.5 \text{ Metre}$$

$$\text{Total length} = 3.5M \times 401 = 1404 \text{ Metre (A)}$$

$$\text{Driving Depth of one pile} = 2.00M \times 401 = 802 \text{ Metre}$$

Item No:-(3) Labour For F/F 62MM TO 75MM Dia bamboo runner with every vertical pile etc all complete job.

$$\text{Total length} = 200M$$

$$3 \text{ Row} \times 200M = \frac{600M}{2} = 300 \text{ Metre (B)}$$

Item No:-(4) Labour For fitting and fixing split bamboo over Chachri in position with 11 wire or 75mm to 100mm long nails all complete job.

$$\text{Total length} = 200M$$

$$200M \times 1.5M = 300M^2$$

$$[\text{Bamboo for } 1M^2 \text{ Chachri} = 6M \text{ of Bamboo}]$$

Item No:-(5) Supplying of 62mm to 75mm bamboo with loading unloading up to work site etc all complete job.

$$\text{vide Item (2) (i) For pile work} = 1404 \text{ metre}$$

$$(ii) \text{ For runner} = 300 \text{ Metre}$$

$$(iii) \text{ For Chachri} = 1800 \text{ Metre}$$

$$\text{Total} = 3504 \text{ Metre}$$

Item No:-(6) :- providing and filling E/c bag with local sand and stitching the bags etc all complete job.

$$\text{Nos of Bamboo of } 6M \text{ long} = 3504/6 = 584 \text{ Nos}$$

$$1 \times 20M \times \frac{0.6+0.9}{2} \times 1.5M = 22.50M^3$$

$$1 \times 30M \times \frac{1.25+1.75}{2} \times 2.5M = 112.5M^3$$

$$2 \times 80M \times \frac{1.5+1.75}{2} \times 1.5M = 390M^3$$

$$\text{Qty} = \frac{525.00M^3}{0.034M^3} = 15441 \text{ bags}$$


27/11/2020

23/11/20

ABSTRACT FOR COST

Restoration of Road using Bricks bats including light ramming etc.

$$1067 \cdot 1376.46 \text{ M}^3 @ 1840.16/\text{M}^3 = \text{P} 25,32,907.00$$

- 2) Labour For cutting 62mm to 75mm dia Bamboo piles to size and making shoes and driving etc all complete job.

$802M @ R\$ 27.94/M \rightarrow R\$ 22408.00$

- (3) Labour for fitting and fixing split bamboo woven chairs in position with 20 swan wire or 75 mm long to 100 mm long nails etc all complete job.

$$300\text{M}^2 @ \text{Rs } 73.60/\text{M}^2 \longrightarrow = \text{Rs } 22080 = 00$$

- ④ Labour for fitting and fixing 62mm to 75mm dia bamboo runners in position etc all complete job.

300M @ Rs 4.96/M _____ = Rs 1488.00 ✓

- ⑤ Supplying 62mm to 75mm dia bamboo with all complete job.

584 Nos @ Rs 149.47/each — = Rs 87290.00

- ⑥ providing and filling with laying etc bags with local sand stricking of bags & placing in proper position etc all complete job.

15441 bags @ P 25.11/each $\rightarrow$ P 387,724.00

Total R: 24,85,324 = w

Total = ~~30,52,409.00~~
24,85,324.00

$$G_{LT} + R_{LT} 2,98,239 = 10 \text{ Add } 12\% \text{ U.S.T} = 3,66,289 = 00$$

LC + R₁ 24853 $\rightarrow$ Add 17: LC = 30524 = 60

$$SF = \underline{R_c 1,20,921} = \underline{w 8/bals + same} \text{ add S.F}$$

$$= 153721 \approx 0.$$

Total Rs 29,29,337.00

सहायक निमित्त, आर का कि, श्री अमा-पंडित-
मनीषा को का पत्रांक:- 01 अमा, आर का कि:- 27/02/21 के अमा-
पंडित पत्रांक के आका पर।

Total = Rs ~~36,021,943.11~~

Post facto T/A 78 Rs 29,29,337 = 00 (Rupee Twenty nine lacs - twenty nine thousand three hundred thirty seven only.)

9/01.03.2

Superintending Engineer

RWD, Works Circle, Darbhanga

01/03/2021

25/11/2020

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