

१५०२ १०१०

(15)



ग्रामीण कार्य विभाग

पथ का नाम :- टी०२ मार्ग मेला से चकमिली राय
कार्य प्रमण्डल :- बेनीपुर।
कार्य अंचल :- दरभंगा।
प्रखण्ड का नाम :- अलीनगर।
प्राक्कलित राशि :- 5,70,200.00
13, 34, 12.00

प्रतिवेदन

पथ का नाम :- 2102 मायक रोड
पथ की लं० :- 0.755 कि०मी०
प्राक्कलित राशि :- ~~10,00,000/-~~
5,70,200-00

माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ़ के चलते अधिकांश पथ क्षतिग्रस्त हो गये एवं यातायात बाधित हो गया।

जनता की परेशानी, एवं आने वाले आम चुनाव (बिहार विधान सभा) एवं विभागीय आदेश -मु० अ०-04मु० विविध कार्य 23-40/2016-2729अनु० दिनांक-21.08.2020 के आलोक में क्षतिग्रस्त पथों के ईट टुकड़े एवं चिमनी छाई से भरकर यातायात पुर्नस्थापन किया गया। किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोत्तर स्वीकृति हेतु समर्पित की जा रही है। कार्यहित में प्राक्कलन की स्वीकृति अपेक्षित है।

प्राक्कलन को कार्य अंचल, दरभंगा द्वारा स्वीकृत अद्यतन दर के आधार पर तैयार कर अग्रेतर कार्यवाई हेतु समर्पित की जाती है।



कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,



सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अलीनगर,



कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर,

Flood Estimate

Name of Road - T02 yadav talu to chaknalki rdth.

Item No. ① - providing & laying Brick pthing with Brick beds
Including loading & unloading, anal. lighs
Remeniny. all complete job -

CH - 0.40m

200m

$$60.00m \times \frac{(1.00+2.50)}{2} \times \frac{(1.40+2.00)}{2} = 178.50m^3$$

$$20.00m \times \frac{(1.50+3.00)}{2} \times \frac{(1.50+2.00)}{2} = 78.75m^3$$

Total = 257.25m³

257.25m³ @ 1867.76/m³ — 4,80,481.00

Add - 12% G.S.T — 11,20,656.00

Add - 1% L.C — 57,658.00

4805.00

Add - S.f. 10% —

257.25m³ × 1063.00 × 0.10 =

27,346.00

63,780.00

Total = 13,30,121.00

5,70,290.00

15/12/2020
J.C.

15/12/2020
J.C.

15/12/2020
J.C.

P.T.O.

क. र. -

5,70,290.00

कार्मचालक कर्मचारी, ग्रामीण कार्य विभाग, नगर
प्रमंडल, जयपुर के पत्रों के तहत अनु क्रि 05.04.2021
के द्वारा समर्थित बॉय प्रविष्टि के आधार पर—

Post facto T/A for R 5,70,290.00

(Rupees five lacs, seventy thousand two
hundred & ninety) only

14.04.21

Superintending Engineer
RWD Works Circle, Darbhanga
14/04/2021

FOR FDR JULY 2020.

Providing and laying of Bricks bats with Carriage by Tractor loading with front end loader with light trawling etc. all complete job as per specification and direction of E/c.

BY TRACTOR (without c.p) for departmental work

$$\textcircled{1} \quad \left. \begin{array}{l} \text{Surface lead} = 7 \text{ K.M} \\ \text{Katchha lead} = 1 \text{ K.M} \end{array} \right\} 8 \text{ K.M}$$

$$\text{Factor } [5.6/2.25] = 1.60$$

$$\text{i.e. Carriage Cost (with OH)} = [(1.60 \times 7 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$$

$$= \text{Rs. } 418.71$$

$$\text{say Total Cost PMB} = \text{Rs. } 1126.78 \text{ (Bricks bats with OH)} \\ + \text{Rs. } 418.71 \text{ [Carriage Cost with OH]} \\ + \text{Rs. } 322.27 \text{ [Labour Cost with OH]}$$

$$\text{Total Rs. } 1867.76 \text{ [without GST + LC + SF]}$$

$$\textcircled{2} \quad \text{Surface lead} = 6 \text{ K.M} / \text{Katchha} = 1 \text{ K.M} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 6 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs. } 391.11$$

$$\text{Total Cost of Bricks bats PMB} = \text{Rs. } 1126.78 \\ + \text{Rs. } 391.11 \\ + \text{Rs. } 322.27$$

$$\text{Total Rs. } 1840.16 \text{ PMB [without GST + LC + SF]}$$

$$\textcircled{3} \quad \text{Surface lead} = 5 \text{ K.M} / \text{Katchha} = 1 \text{ K.M} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 5 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs. } 363.51$$

$$\text{Total Cost of Bricks bats PMB} = 1126.78 \\ + 363.51 \\ + 322.27$$

$$\text{Total Rs. } 1812.56 \text{ PMB [without GST + LC + SF]}$$

$$\textcircled{4} \quad \text{Surface lead} = 4 \text{ K.M} / \text{Katchha} = 1 \text{ K.M} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 4 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs. } 335.91$$

$$\text{Total Cost of Bricks bats PMB} = 1126.78 + 335.91 + 322.27 = \text{Rs. } 1784.96 \\ \text{[without GST + LC + SF]}$$

$$\textcircled{5} \quad \text{Surface lead} = 3 \text{ K.M} / \text{Katchha} = 1 \text{ K.M} / \text{Factor} = 1.60$$

$$\text{Carriage Cost (with OH)} = [(1.60 \times 3 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs. } 308.31$$

$$\text{Total Cost of Bricks bats PMB} = 1126.78 + 308.31 + 322.27 = \text{Rs. } 1757.36 \\ \text{[without GST + LC + SF]}$$

नोट:- यदि मजदूर कार्य द्वारा है यहाँ/चिमनी की दुई का प्रयोग याद रखें में दुई का प्रयोग। साथ ही दुई के आकार पर भी दुई की संकलन किया जाएगा।

(A) Labour for laying brick bats/shama khaa including light running etc.

Unit = Per M³
 Taking output = 2.832 M³
 Unskilled Man/day = 3 Nos @ 287.00 = Rs 861.00
 6% OH = Rs 51.66
 Rate for 2.832 M³ = Rs 912.66
 Rate per M³ = Rs 322.27 ✓

(B) Haulage excluding loading and unloading, stacking
Haulage of Materials by Tractor

Unit = t.k.m
 Taking output 3.60 tonnes load and lead 10 k.m = 36.0 t.k.m

(i) Surface Road

Speed with load = 15 k.m/hour
 Speed while returning empty = 25 k.m/hour

(a) Machinery

Tractor 3.6 tonne Capacity
 (Time taken for one trip)
 Haulage with load = 0.667 @ 549.10/hour = Rs 366.25
 Time taken for empty return = 0.400 @ 549.10/hour = Rs 219.64
 Rs 35.15

(b) Over head (OH) charge 5%

Cost for 36 t.k.m = Rs 621.04
 Rate per t.k.m = Rs 17.25 ✓

(ii) Katchha Road

Speed with load 12 k.m/hour
 Speed for empty return trip 20 k.m/hour

(a) Machinery

Tractor 3.6 tonne Capacity
 Time taken for one trip haulage with load = 1.00 @ 549.10/hour = Rs 549.10
 Time taken for empty return trip = 0.667 @ 549.10/hour = Rs 366.25
 Rs 54.92

(b) OH 5%

Cost for 36 t.k.m = Rs 70.27
 Rate per t.k.m = Rs 26.95 ✓

(C) Loading and unloading brick bats/shama khaa/sand etc.

Using tractor at loading point, loading with front loader, dumping, turning for return trip, excluding haulage and return trip.

Unit = cum / Taking output = 2.25 M³ / Time required for 6 minutes

(i) Labour

Rate = 0.03 @ 305 = w/day = Rs 9.15

unskilled

Labour for loading/unloading 0.72 @ 287/day = Rs 206.64

(ii) Machinery

Tractor 3.6 t. Capacity 0.1 @ 549.10/hour = Rs 54.91

Front end loader 1000 cu ft capacity 0.083 @ 1403.00/h = Rs 116.45

Rs 23.23

(iii) Over head (OH) 5%

Cost for 2.25 M³ = Rs 410.38
 Rate per M³ = Rs 182.99 ✓

(D) Supply for Brick bats (with OH)
 Basic Rate of Brick bats Rs 63.78
 Add 6% OH Rs 3.83
 Rs 67.61

Bamboo piling items.

- ① Labour for cutting ^{62mm to} 75mm dia bamboo pile to site ...
Making shoes and driving by jet machine, etc. as complete job.

Taking output = 200M
Unit = Per/metre.

(i) Labour

(a) Unskilled Muddoor = 5 Nos.	@ Rs. 287.00	Rs. 1435.00
(b) Semi Skilled Muddoor = 1 No	@ Rs. 299.00	Rs. 299.00
(c) Carpenter Gr II = 1.5 Nos	@ Rs. 345.00	Rs. 517.50
(d) Drill operator = 1.00 No	@ Rs. 345.00	Rs. 345.00
Total:		Rs. 2596.50 (A)

(ii) Machinery

(a) Hire charge of boat-40 quintal capacity = 2 Nos.	@ 1872.00	Rs. 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No	@ 300.00	Rs. 300.00
(c) Diesel for pumping set = 8 Lit	@ 77.00	Rs. 616.00
(d) Hire charge of jet pipe and pipe assembly = 1 No	@ 200.00	Rs. 200.00
Total:		Rs. 4860.00 (B)

Total (A+B) = Rs. 7456.50
Add 6% OH Rs. 447.39

For 200M = Total Rs. 7903.89
P/M = 39.52 ✓

- ② Labour for fitting & fixing 62mm to 75mm dia Bamboo runners -
in position at every vertical pile with 150mm long nail or
30 swg G.I wire including cost of G.I wire and nails etc. as
complete job.

Taking output = 30.50M
Unit = Per M

(i) Labour:-

(a) Carpenter Gr II = 0.125 Nos	@ Rs. 345.00	Rs. 43.125
(b) Unskilled Muddoor = 0.25 Nos	@ Rs. 287.00	Rs. 71.750

(ii) Material:-

Cost of 150mm long 0.50 kg nails or G.I. wires	@ Rs. 60.03	Rs. 30.02
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Total = Rs. 144.895

Add 6% OH = Rs. 8.690

Total = ~~153.585~~

For 30.5 M → 153.585

P/metre → Rs. 5.04 ✓

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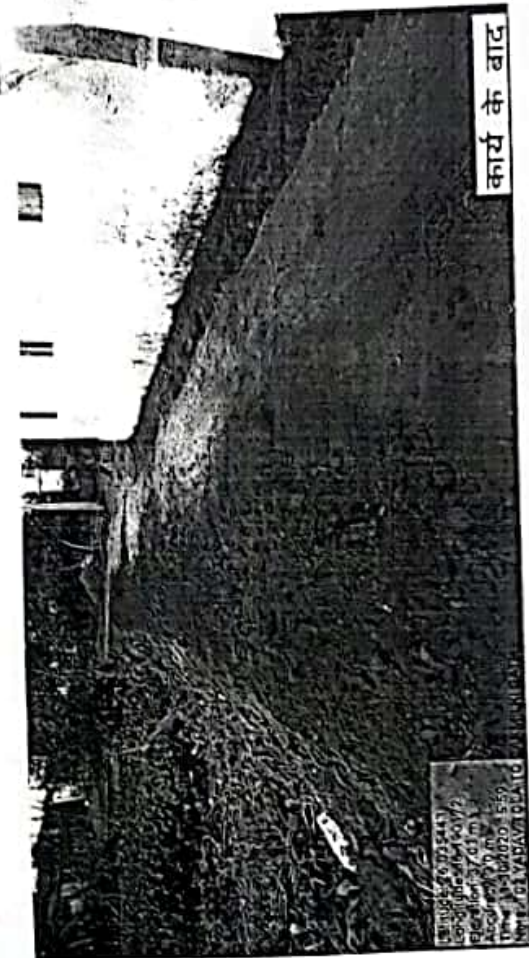
A.

Supplying of Sand Bag (with OH)					
Basic Rate of Sand Bag (including cbt+sand)					
Add overhead Charges	Per Bag	6%	8.16	8.25	
Total				9.52	
1 No Cement Bag filled with 40 kg./1.2 Cuft Sand					
Conversion factor :1m3=35.3146667ft3					
1) Cubic Meter= Cubic Foot/35.3146667					
2) Cubic Meter= 1.2/35.3146667					
3) Cubic Meter=0.034					
Hence 1 No. Sand Bag Filled with 0.034					
Tractor	KM	2			
Surface Lead	KM	1			
Katcha Lead	Cum	1.6			
Factor(3.6/2.25)					
Carriage (with OH)					280.71
$(1.6 \times 2 \times 17.25) + (1.6 \times 1 \times 26.95) + 182.39$					
Cost of Carriage of Sand in Filling of Sand Bag					
		280.71	0.034		352
Cost of Labour for Filling Sand Bag, stitching and Placing (with OH)					
Total (A+B+C)=9.39+9.52+5.20					25.11
Total Cost per Bag (without Gst+Lc+Sf)					25.11

B.

C.

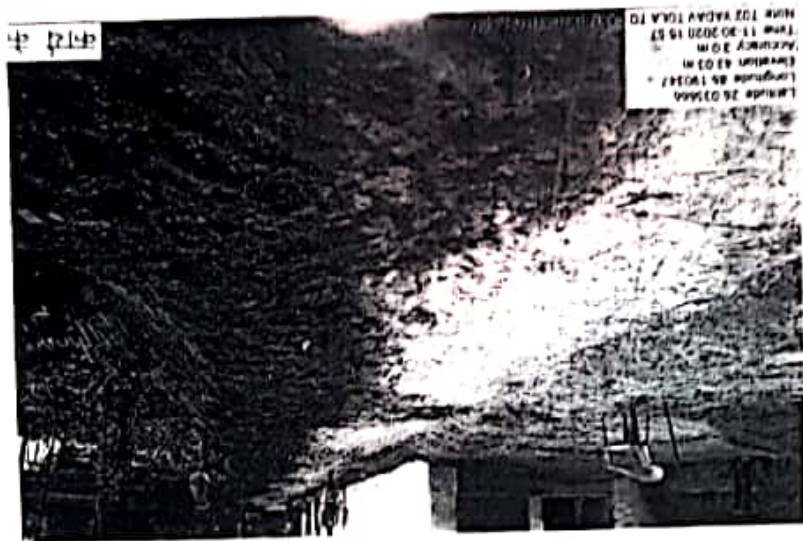
T02 Yadav tola to Chak Milkki Dath.



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Handwritten signature and 'A.E'

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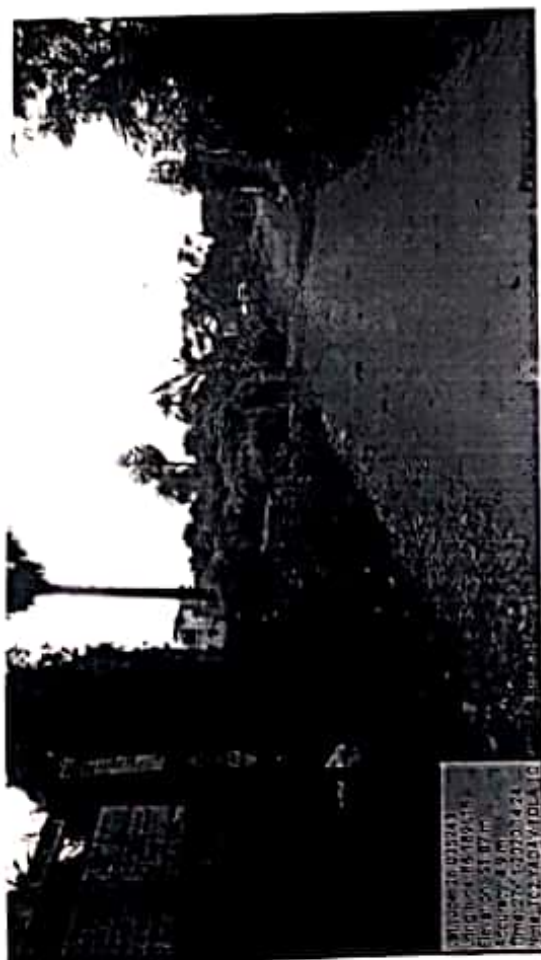


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