



ग्रामीण कार्य विभाग

पथ का नाम	:— Jayanti pur Gachhi-gata-ga-pur-tala
कार्य प्रमण्डल	:— बेनीपुर।
कार्य अंचल	:— दरभंगा।
प्रखण्ड का नाम	:— अलीनगर।
प्राक्कलित राशि	:— $5,03,340 = 00$ 7,48,705.

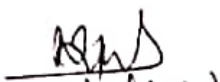
प्रतिवेदन

पथ का नाम :- Jayanti pur Gachhi Nola to yachav Nola .
पथ की लं० :- 0.120 Km
प्राक्कलित राशि :- ~~7,28,905/-~~
5,03,340/-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।


18/12/2020

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,


18/12/2020

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


18/12/2020

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर,

flood Estimate

Name of Road - Jayantipur gachhitola to
Length of road - 0.700 km Yadav tolg.

Item No-01 providing & laying brick pitching with
brick bats including loading, un-loading
and light ramming all complete job.

$$\begin{aligned}
 15.00 \text{ M} \times 2.40 \text{ M} \times \frac{(0.90+0.60+1.00)}{3} &= 30.00 \text{ m}^3 \\
 15.00 \text{ M} \times 2.40 \text{ M} \times 0.45 \text{ M} &= 16.20 \text{ m}^3 \\
 10.00 \text{ M} \times 2.30 \text{ M} \times \frac{(1.00+0.60)}{2} &= 18.40 \text{ m}^3 \\
 75.00 \text{ M} \times 2.40 \text{ M} \times \frac{(0.80+0.90)}{2} &= 153.00 \text{ m}^3 \\
 10.00 \text{ M} \times 2.10 \text{ M} \times \frac{(0.30+0.60)}{2} &= 9.45 \text{ m}^3
 \end{aligned}$$

$$\text{Total} = 227.05 \text{ m}^3$$

$$227.05 \text{ m}^3 @ 1867.76 \text{ M}^3 -$$

$$\text{Add } 12 \% \text{ L.S.T} -$$

$$\text{Add } 1 \% \text{ L.C} -$$

$$\begin{aligned}
 424075 &= 00 \\
 614119 &= 00 \\
 50889 &= 00 \\
 73694 &= 00 \\
 4241 &= 00 \\
 6141 &= 00
 \end{aligned}$$

Add for S.f 10%.

$$\frac{227.05}{328.80} \times 1063.00 \times 0.10 = 24135 = 00$$

$$\text{Total} = 728,905.00$$

[Signature]
S.R

[Signature]
A.B

[Signature]
R.R

P.T.O

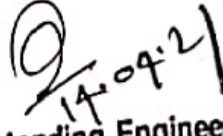
B.F. -

5,03,340.00

कार्यपालक अभियंता, ग्रामीण कार्य विभाग,
कार्ग प्रमंडल, जगनगर के पत्रांक 798 अनु०
दि० 05.04.2021 के द्वारा समर्पित जांच
प्रतिवेदन के आधार पर —

Post facto T/A for ₹ 5,03,340.00

(Rupees five lacs, three thousand,
three hundred & forty) only —


14/04/21
Superintending Engineer
RWD, Works Circle, Darbhanga
14/04/2021

FOR FDR JULY 2020.

Providing and Laying of Brick bats with Carriage by Tractor loading with front end loader with light running etc. all complete job as per specification and direction of E/P.

By TRACTOR. [without c.p] for Departmental work

$$\textcircled{1} \quad \left. \begin{array}{l} \text{Surface lead} = 7 \text{ K.M} \\ \text{Katchla lead} = 1 \text{ K.M} \end{array} \right\} 8 \text{ K.M} \\ \text{Factor } [3:6:25] = 1.60$$

$$\text{i.e. Carriage Cost (with OH)} = [(1.60 \times 7 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39] \\ = \text{Rs. } 418.71$$

$$\text{Total Cost of Brick bats P/B} = \text{Rs. } 1126.78 \text{ [Brick bats with OH]} \\ + \text{Rs. } 418.71 \text{ [Carriage Cost with OH]} \\ + \text{Rs. } 322.27 \text{ [Labour Cost with OH]}$$

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

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

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

$$\text{Total Cost of Brick bats P/B} = \text{Rs. } 1126.78 \\ + \text{Rs. } 391.11 \\ + \text{Rs. } 322.27$$

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

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

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

$$\text{Total Cost of Brick bats P/B} = 1126.78 \\ + 363.51 \\ + 322.27$$

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

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

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

$$\text{Total Cost of Brick bats P/B} = 1126.78 + 335.91 + 322.27 = \text{Rs. } 1784.96 \\ \text{[without GST + LC + SF]}$$

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

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

$$\text{Total Cost of Brick bats P/B} = 1126.78 + 308.31 + 322.27 = \text{Rs. } 1757.36 \\ \text{[without GST + LC + SF]}$$

नोट: यदि मालुमार की स्थिति में या/कि किसी भी दूरी का अंश या अंश में दस्तावेज
आवेगा। साथ ही इसी के आधार पर ही दुबई की आवश्यकता किया जाएगा।

(A) Labour for laying brick bats / Shama Khas including light running etc.

Unit = Per M³

Taking output = 2.832 M³

Unskilled Manpower = 3 Nos @ 287.00 = Rs 861.00

6% OH

Rate for 2.832 M³ =

Rate per M³

= Rs 51.66

Rs 912.66

Rs 322.27 ✓

(B) Haulage excluding Loading and unloading, spreading

Haulage of Materials by Tractor

Unit = t.K.M

Taking output 3.60 tonnes load x 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

(ii) Machinery

Tractor 3.6 tonne Capacity 0.667 @ 549.10/hour = Rs 366.25

(1) Time taken for round trip (haulage with load)

(2) Time taken for empty return = 0.400 @ 549.10/hour = Rs 219.64

Rs 35.15

(b) Over head (OH) charge 6%

= Rs 621.04

Cost for 36 t.K.M

Rate per t.K.M = Rs 17.25 ✓

(ii) Katchla Road

Speed with load = 12 K.M/hour

Speed for empty return trip 20 K.M/hour

(iii) Machinery

Tractor 3.6 tonne Capacity 1.00 @ 549.10/hour = Rs 549.10

Time taken for round haulage with load = 0.667 @ 549.10/hour = Rs 366.25

Time taken for empty return trip = 0.400 @ 549.10/hour = Rs 219.64

(b) OH 6%

Rs 54.92

Cost for 36 t.K.M =

Rate per t.K.M =

Rs 26.95 ✓

(C) Loading and unloading brick bats / Shama Khas / 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 70 sec = 6 minute

(i) Labour

Man 0.03 @ 305 = 9.15

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

(ii) Machinery

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

Front end loader Capacity 0.083 @ 1403.00/h = Rs 116.45

(iii) Over head (OH) = 6%

Rs 23.23

Cost for 2.25 M³

Rs 410.38

Rate per M³

Rs 182.39 ✓

Bamboo piling items.

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

Taking output = 200M
Unit = Per/metre.

(i) Labour

(a) Unskilled Mazedon	= 5 Nos.	@ Rs. 287.00	Rs. 1435.00
(b) Semi Skilled Mazedon	= 1 No	@ Rs. 279.00	Rs. 279.00
(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. 2576.50 (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 summer -
in position at every vertical pile with 150mm long nail or
38 swg G.I wire including cost of G.I wire and nails etc. all
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 Mazedon	= 0.25 Nos	@ Rs. 287.00	Rs. 71.750

(ii) Material:-

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

Total = Rs. 144.895

Add 6% OH = Rs. 8.690

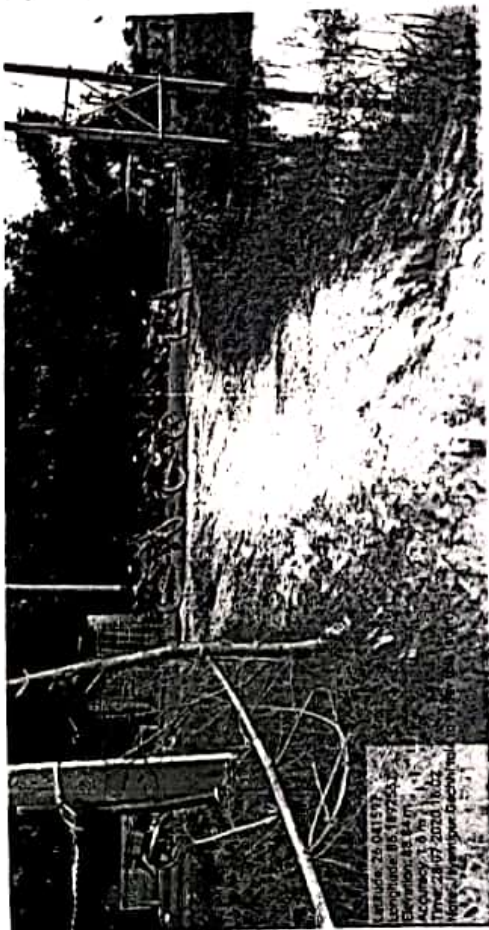
Total = ~~153.585~~

For 30.5 M → 153.585

P/metre → Rs. 5.04 ✓

1				
A.				
Supplying of Sand Bag (with OH)				
Basic Rate of Sand Bag (including cwt+sand)	Per Bag	8 %		2.26
Add overhead Charges		6%		0.53
Total				9.39
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)				
B.				
Carriage (with OH)				280.71
(1.6*2*17.25)+(1.6*1*26.95)+182.39				
Cost of Carriage of Sand in Filling of Sand Bag		280.71	0.034	9.52
C.				
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

Jyoti pur bachi telq te yadav telq.



Latitude: 24.041377
Longitude: 85.187465
Elevation: 39.94 m
Accuracy: 13.0 m
Time: 29-07-2020 15:03
Note: Jayanti pur bachi tola To Yadav Tola (end point)



Latitude: 24.041377
Longitude: 85.187465
Elevation: 39.94 m
Accuracy: 13.0 m
Time: 29-07-2020 15:03
Note: Jayanti pur bachi tola To Yadav Tola (end point)

चिन २४ ५३०



Latitude: 24.041377
Longitude: 85.187465
Elevation: 39.94 m
Accuracy: 13.0 m
Time: 29-07-2020 15:03
Note: Jayanti pur bachi tola To Yadav Tola (end point)

CH: 60 M



Latitude: 24.041377
Longitude: 85.187465
Elevation: 39.94 m
Accuracy: 13.0 m
Time: 29-07-2020 15:03
Note: Jayanti pur bachi tola To Yadav Tola (end point)

चिन २४ ५३०

J-E

चिन २४ ५३०

A-E

चिन २४ ५३०

$\frac{9}{230}$
 $\frac{27}{100}$
 $\frac{100}{100}$

3-E
 14

3-E
 14

3-E
 14



3-E
 14



21A
47
KLC



22A
52



22A

22

3.3

3.4 A.E

3.5 J.C

3.6 4 m

