

FDR 2.20



ग्रामीण कार्य विभाग

पथ का नाम

:- 6024 70 Jayanti pur

कार्य प्रमण्डल

:- बेनीपुर।

कार्य अंचल

:- दरभंगा।

प्रखण्ड का नाम

:- अलीनगर।

प्राक्कलित राशि

76,772.00
:- 1,32,298.00

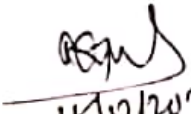
प्रतिवेदन

पथ का नाम :- L024 TO Jayanti pur
पथ की लं० :- 1100 KM
प्राक्कलित राशि :- ~~1,00,000/-~~
76,772 = 0

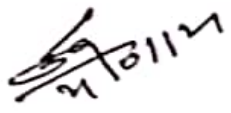
माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ़ के चलते अधिकांश पथ क्षतिग्रस्त हो गये एवं यातायात बाधित हो गया।

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।


15/11/2020
कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,


15/11/2020
सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अलीनगर,


21/11/20
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर,

flood estimate

Name of Road - L 24 TO Jayanti Pur

Item No - (1)

providing & laying brick pitching with brick bats including loading, un-loading and light ramming all complete job.

$$\begin{aligned} 12.00 \text{ m} \times 2.10 \text{ m} \times \frac{0.30}{0.90} &= 7.56 \text{ m}^3 @ 22.68 \text{ m} \\ 10.00 \text{ m} \times 2.20 \text{ m} \times \frac{(0.30+0.40)/2}{0.90} &= 7.70 \text{ m}^3 @ 19.80 \text{ m} \\ 8.00 \text{ m} \times 1.00 \text{ m} \times \frac{(0.30+0.35)/2}{0.75} &= 2.60 \text{ m}^3 @ 6.00 \text{ m} \\ 15.00 \text{ m} \times 2.50 \text{ m} \times \frac{(0.30+0.60)/2}{0.90} &= 16.87 \text{ m}^3 @ 33.75 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{total} &= 82.23 \text{ m}^3 \\ 34.73 \text{ m}^3 @ 1867.76/\text{m}^3 &= 64,867.00 \\ \text{Add - 12 \% G.S.T} &= 7,784.00 \\ \text{Add - 1 \% L.C} &= 1,535.86 \\ \hline &= 74,186.86 \end{aligned}$$

Add S.f - 10 % -

$$\begin{aligned} 34.73 \text{ m}^3 \\ 82.23 \text{ m}^3 \times 1063.00 \times 0.10 &= 8,741.00 \end{aligned}$$

$$\begin{aligned} \text{Total} &= 1,82,293.00 \\ 76,992.00 \end{aligned}$$

ASW
18/12/2020
J.C.

15/12/2020
A.R.

18/12/2020
B.R.

P.T.O

B.F—

76,992.00

कार्यवाहक अभियंता, ग्रामीण कार्य विभाग,
कार्य प्रमंडल, अजमेर के पत्रांक 798 अंक
दि 05.04.2021 के द्वारा समर्पित ऑन
प्रतिवेदन के आधार पर —

Post facto T/A for ₹ 76,992.00

(Rupees seventy six thousand, Nine
hundred & Ninety two) only—

14.04.21
Superintending Engineer
BWD, Works Circle, Darbhanga
14/04/2021

FOR FDR JULY 2020.

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

BY TRACTOR. (without C.P.) For Departmental Work

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

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

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

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

$$\begin{aligned} \text{say Total Cost P.M.B.} &= \text{Rs. } 1126.78 \text{ (Bricks bats with OH)} \\ &+ \text{Rs. } 418.71 \text{ (Carriage Cost with OH)} \\ &+ \text{Rs. } 322.27 \text{ (Labour Cost with OH)} \end{aligned}$$

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

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

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

$$= \text{Rs. } 391.11$$

$$\begin{aligned} \text{Total Cost of Bricks bats P.M.B.} &= \text{Rs. } 1126.78 \\ &+ \text{Rs. } 391.11 \\ &+ \text{Rs. } 322.27 \end{aligned}$$

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

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

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

$$= \text{Rs. } 363.51$$

$$\begin{aligned} \text{Total Cost of Bricks bats P.M.B.} &= 1126.78 \\ &+ 363.51 \\ &+ 322.27 \end{aligned}$$

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

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

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

$$= \text{Rs. } 335.91$$

$$\begin{aligned} \text{Total Cost of Bricks bats P.M.B.} &= 1126.78 + 335.91 + 322.27 = \text{Rs. } 1784.96 \\ &\text{[without GST + LC + SF]} \end{aligned}$$

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

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

$$= \text{Rs. } 308.31$$

$$\begin{aligned} \text{Total Cost of Bricks bats P.M.B.} &= 1126.78 + 308.31 + 322.27 = \text{Rs. } 1757.36 \\ &\text{[without GST + LC + SF]} \end{aligned}$$

नोट:- मिट्टी/पत्थर का सही प्रकार से गणना/चिकनी की डूरी का प्रयोग आकृष्य में दर्शाया जायेगा। साथ ही डूरी के आधार पर ही डूरी की संकलन किया जायेगा।

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

Unit = Per M³
 Taking output = 2.832 M³
 Unskilled M³/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, spreading

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 = 0.667 @ 549.10/hour = Rs 366.25
 Haulage with load = 0.400 @ 549.10/hour = Rs 219.64
 Time taken for empty return = 0.400 @ 549.10/hour = Rs 35.15

(b) Over load (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
 OH @ 5% = Rs 59.92
 Cost for 36 t.K.M = Rs 975.27
 Rate per t.K.M = Rs 26.95 ✓

(C) Loading and unloading brick bats / Shama Khas / Sand etc.

prising 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 6 Mins

(a) Labour

Rate = 0.03 @ 305 = w/day = Rs 9.15
 Unskilled Labour for loading/unloading 0.72 @ 287/day = Rs 206.64

(b) Machinery

Tractor 3.6 t Capacity 0.1 @ 549.10/hour = Rs 54.91
 front end loader 1.500/h Capacity 0.083 @ 1403.00/h = Rs 116.45
 OH @ 5% = Rs 23.23

(ii) Over load (OH) = 5%

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 all complete job.

Taking output = 200M
Unit = Per/metre.

(i) Labour

(a) Unskilled Magdoor = 5 Nos.	e Rs. 287.00	Rs 1435.00
(b) Semi Skilled Magdoor = 1 No	e Rs 299.00	Rs 299.00
(c) Carpenter G.I. = 1.5 Nos	e Rs 345.00	Rs 517.50
(d) Drill operator = 1.00 No	e Rs 345.00	Rs 345.00
Total:		Rs 2596.50 (A)

(ii) Machinery

(a) Hire charge of boat 40 gintel capacity = 2 Nos.	e 1872.00	Rs 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No	e 300.00	Rs 300.00
(c) Diesel for pumping set = 8 Lit	e 77.00	Rs 616.00
(d) Hire charge of jet pipe and pipe assembly = 1 No	e 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
3B 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 G.I. = 0.125 Nos	e Rs. 345.00	Rs 43.125
(b) Unskilled Magdoor = 0.25 Nos	e Rs 287.00	Rs 71.750

(ii) Materials:-

Cost of 150mm long 0.150 kg nails or G.I. wires	e Rs 60.03	Rs 30.02
Total:		Rs 144.895

Add 6% OH Rs 8.690

Total = ~~153.585~~

For 30.5 M → 153.585

P/Metre → Rs 5.04 ✓

Supplying of Sand Bag (with OH)					
Basic Rate of Sand Bag (including cwt+sand)					
Add overhead Charges	Per Bag	6%	8 1/2%	8.25	
Total				0.53	
				9.39	
1 No Cement Bag filled with 40 kg./1.2 Cuft Sand					
Conversion factor : 1m ³ =35.3146667ft ³					
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*2*17.25)+(1.6*1*26.95)+182.39					
Cost of Carriage of Sand in Filling of Sad Bag		280.71	0.034	9.52	
Cost of Labour for Filling Sand Bag, stitching and					
Placing (with OH)					25.11
Total (A+B+C)=9.39+9.52+5.20					25.11
Total Cost per Bag (without Gst+Lc+Sf)					

1

A.

B.

C.

L024 TO Jagantipur.



Latitude 26.034504
Longitude 85.192712
Elevation 48.09 m
Accuracy 4.9 m
Time 08-11-2020 12:14
Note: L024 to Jagantipur

26.034504
85.192712



Latitude 26.036328
Longitude 85.192715
Elevation 23.73 m
Accuracy 4.9 m
Time 08-11-2020 12:14
Note: L024 to Jagantipur



Latitude 26.035176
Longitude 85.192324
Elevation 35.58 m
Accuracy 4.9 m
Time 08-11-2020 12:15
Note: L024 to Jagantipur

26.035176
85.192324



Latitude 26.035176
Longitude 85.192324
Elevation 35.58 m
Accuracy 4.9 m
Time 08-11-2020 12:14
Note: L024 to Jagantipur

26.035176
85.192324



4/3/89

1/13/89



2/2/89



4/1/89

2/2/89

A-1



1/13/89

4/1/89