

7-02-2020

26/16



ग्रामीण कार्य विभाग

पथ का नाम	:- kirat pur to channer tali
कार्य प्रमण्डल	:- बेनीपुर।
कार्य अंचल	:- दरभंगा।
प्रखण्ड का नाम	:- अलीनगर।
प्राक्कलित राशि	:- 1,09,180 = रु. 2,62,458.00

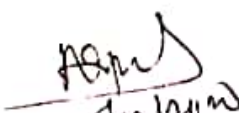
प्रतिवेदन

पथ का नाम :- Kirrit pur to Chamar sali
पथ की लं० :- 0.950 KM
प्राक्कलित राशि :- ~~2,68,158.40~~
1,09,180.00

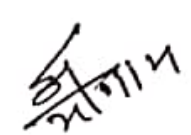
माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ़ के चलते अधिकांश पथ क्षतिग्रस्त हो गये एवं यातायात बाधित हो गया।

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 पुनर्स्थापन 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।


15/12/2020
कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,


15/12/2020
सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अलीनगर,


कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर,

flood Estimate

Name of Road - Kiratpur TO Chamaroli
 providing & laying brick pitching with brick
 bats including loading un-loading and
 light ramming all complete job.

Item No - ①

CH.

150M -

$$\begin{aligned} 25.00M \times 2.60M \times \frac{(0.30+0.40)}{2} &= 26.5m^3 \\ 10.00M \times 2.50M \times \frac{(0.45+0.30)}{2} &= 9.38m^3 \\ 15.00M \times 3.50M \times \frac{(0.60+0.30)}{2} &= 23.62m^3 \end{aligned}$$

$$\text{Total} = 163.5m^3$$

$$49.25m^3 @ 1867.76/m^3 =$$

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

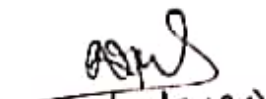
$$\text{Add - 1 \% L.C -}$$

$$\text{Add - S.f. 70 \% -}$$

$$\frac{163.5m^3}{163.5m^3} \times 1068.00 \times 0.10 = 17,380.00$$

$$\text{Total} = 3,62,458.00$$

$$109,180 = 00$$


 15/12/2020
 J.C.


 15/12/2020
 D.C.


 15/12/2020
 B.C.

P.T

B.F. —

1,09,180.00

कार्यालयक अभिलेख, ग्रामीण कार्य विभाग,
कार्य प्रमोद, जमनगर के पत्रांक 198 अनु० दि०
05.04.2021 के द्वारा समर्पित ऑय प्रविदन
के आधार पर —

Post facto T/A for ₹ 1,09,180 = 00

(Rupees one lacs, nine thousand, one
hundred & eighty) 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 running etc all complete job as per specification and direction of E/S

BY TRACTOR. [Without C.P.] For Departmental work

$$\textcircled{1} \quad \left. \begin{array}{l} \text{Surface lead} = 7 \text{ km} \\ \text{Katchha lead} = 1 \text{ km} \end{array} \right\} 8 \text{ km} \\ \text{Factor } [3.6/2.25] = 1.60$$

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

$$\begin{aligned} \text{say Total Cost PMB (Brick bats with OH)} &= \text{Rs. } 1126.78 \text{ [Bricks bats with OH]} \\ &+ \text{Rs. } 418.71 \text{ [Carriage Cost with OH]} \\ &+ \text{Rs. } 322.27 \text{ [Labour Cost with OH]} \\ \hline \text{Total Rs. } 1867.76 \text{ PMB [Without GST + LC + SF]} \end{aligned}$$

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

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

$$\begin{aligned} \text{Total Cost of Bricks bats PMB} &= \text{Rs. } 1126.78 \\ &+ \text{Rs. } 391.11 \\ &+ \text{Rs. } 322.27 \\ \hline \text{Total Rs. } 1840.16 \text{ PMB [Without GST + LC + SF]} \end{aligned}$$

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

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

$$\begin{aligned} \text{Total Cost of Bricks bats PMB} &= 1126.78 \\ &+ 363.51 \\ &+ 322.27 \\ \hline \text{Total Rs. } 1812.56 \text{ PMB [Without GST + LC + SF]} \end{aligned}$$

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

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

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

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

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

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

नोट:- यदि गाइडर कार्य प्राप्त है तथा/विपरीत की दूरी का प्रमाण प्रस्तुत में दर्शाया जायेगा। साथ ही दूरी के आधार पर ही दुलाई की आवश्यकता किम लायेगा।

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

Unit = Per M³

Taking output = 2.832 M³

Unskilled Magsdar = 3 Nos @ 287.00 = Rs 861.00

= Rs 51.66

6% OH

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 km = 36.0 t.k.m

(i) Surface Road

Speed with load = 15 km/hour

Speed while returning empty = 25 km/hour

(a) Machinery

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

(Time taken for one trip)

Haulage with load = 0.400 @ 549.10/hour = Rs 219.64

(Time taken for empty return)

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) Katchha Road

Speed with load 12 km/hour

Speed for empty return trip 20 km/hour

(a) Machinery

Tractor 3.6 tonne Capacity

Time taken for one 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

(b) OH 6%

Rs 54.92

Rs 970.27

Cost for 36 t.k.m =

Rate per t.k.m = Rs 26.95 ✓

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

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

Unit = Cum / Taking output = 2.25 M³ / Time required = 6 Mins

(i) Labour

Rate = 0.03 @ 305 = Rs 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 23.33

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 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 50t) = 1 No	@ 300.00	Rs. 300.00
(c) Diesel for Pumping out = 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% CH Rs. 447.39

For 200M = Total Rs. 7903.89

P/M = 39.52 ✓

- ② Labour for fitting & fixing 62mm to 75mm dia Bamboo summs -
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's

(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) Materials:-

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% CH = Rs. 8.690

Total = ~~153.585~~

For 30.5 M → 153.585

P/Metre → Rs. 5.04 ✓

Kiratpur to Chamaroli



कापो के पडि ११६



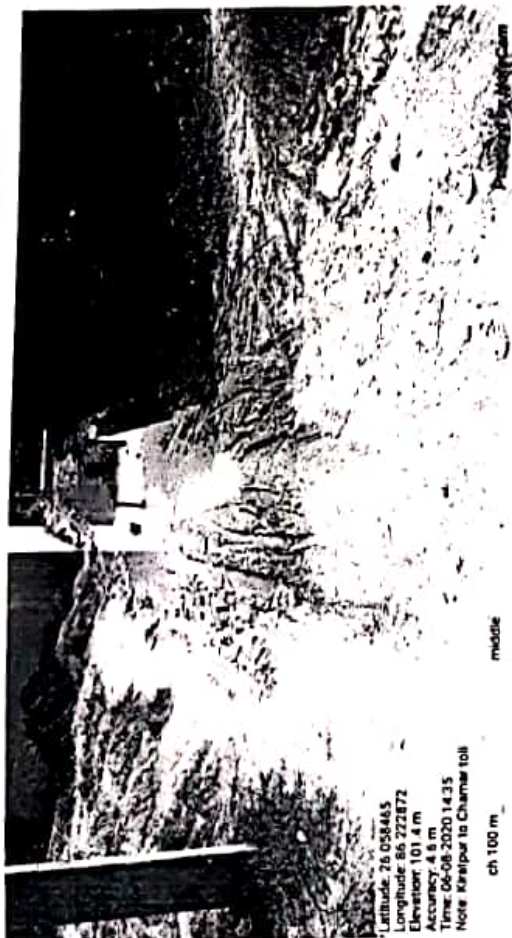
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1325

25

Ch
Dink



25
A 2

Ch
Dink