

7.02.2020



ग्रामीण कार्य विभाग

पथ का नाम	:- Kirtipur paschim (Kirtipur - Pandi talu)
कार्य प्रमण्डल	:- बेनीपुर।
कार्य अंचल	:- दरभंगा।
प्रखण्ड का नाम	:- अलीनगर।
प्राक्कलित राशि	:- 736, 288. ~ 7,40,271.10

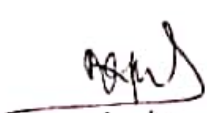
प्रतिवेदन

पथ का नाम :- Kirat pur paschim kala to Kirat pur Arbilala.
पथ की लं० :- 0.020 KM
प्राक्कलित राशि :- ~~740277.2~~
736,288.2

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 अ०-०४मु० 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।


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


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


21.11.21
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल बेनीपुर,

flood estimate

Name of Road- Kiratpur Paschim to Kiratpur
purvi tola.

Item No-①

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

$$\begin{aligned}
 6.00\text{m} \times 2.20\text{m} \times 0.90\text{m} &= 11.88\text{m}^3 \\
 15.00\text{m} \times 3.80\text{m} \times 4.50\text{m} &= 256.50\text{m}^3 \\
 5.00\text{m} \times 3.00\text{m} \times 0.90\text{m} &= 13.50\text{m}^3 \\
 10.00\text{m} \times 3.10\text{m} \times 1.20\text{m} &= 37.20\text{m}^3 \\
 5.00\text{m} \times 1.50\text{m} \times 0.90\text{m} &= 6.75\text{m}^3 \\
 7.00\text{m} \times 1.00\text{m} \times 0.90\text{m} &= 6.30\text{m}^3 \\
 \cancel{2.00\text{m} \times 1.00\text{m} \times 0.90\text{m}} &= \cancel{1.80\text{m}^3} \\
 \hline
 \text{Total: } &\cancel{333.93\text{m}^3} \\
 &332.13
 \end{aligned}$$

$$332.13 \text{ m}^3 @ 1867.76/\text{m}^3 =$$

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

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

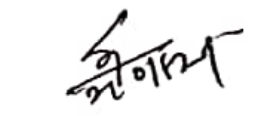
$$\text{Add - S. f - 10\%} =$$

$$\cancel{333.93\text{m}^3} \times 1063.00 \times 0.10 =$$

$$\begin{aligned}
 \text{Total} &= \cancel{740,279.00} \\
 &7,36,288.00
 \end{aligned}$$

ASPH
15/12/2020
J. E


A. E.


P. T. B.

Q. 1

Rs 7,36,288.00

वनमाला अभियंता, ग्रामीण कार्य विभाग, चम्पे पुर्नडेल, गणेशपुर
का पत्रांक 798 अंकित दि 05.04.2021 ई द्वारा समर्पित
ऑनच सुविधा के आधार पर —

Post facto T/A for Rs 7,36,288.00 (Rs
seven lac thirty six thousand two hundred
& eighty eight) 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 ramming etc all complete job as per specification and direction of E/s

By TRACTOR (without e.p) for Departmental work

① Surface lead = 7 K.M / Katcha lead = 1 K.M } 8 K.M
Factor $[3.6/2.5] = 1.60$
i.e. Carriage Cost (with OH) = $[(1.60 \times 7 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$
= Rs. 418.71
say Total Cost of Bricks bats PMS = Rs. 1126.78 (Bricks bats with OH)
+ Rs. 418.71 [Carriage Cost with OH]
+ Rs. 322.27 [Labour Cost with OH]
Total Rs. 1867.76 [without GST + LC + SF] PMS

② Surface lead = 6 K.M / Katcha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) = $[(1.60 \times 6 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$
= Rs. 391.11
Total Cost of Bricks bats PMS = Rs. 1126.78
+ Rs. 391.11
+ Rs. 322.27
Total Rs. 1840.16 PMS [without GST + LC + SF]

③ Surface lead = 5 K.M / Katcha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) = $[(1.60 \times 5 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$
= Rs. 363.51
Total Cost of Bricks bats PMS = 1126.78
+ 363.51
+ 322.27
Total Rs. 1812.56 PMS [without GST + LC + SF]

④ Surface lead = 4 K.M / Katcha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) = $[(1.60 \times 4 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$
= Rs. 335.91
Total Cost of Bricks bats PMS = 1126.78 + 335.91 + 322.27 = Rs. 1784.96 [without GST + LC + SF]

⑤ Surface lead = 3 K.M / Katcha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) = $[(1.60 \times 3 \text{ K.M} \times 17.25) + (1.60 \times 1 \text{ K.M} \times 26.95) + 182.39]$
= Rs. 308.31
Total Cost of Bricks bats PMS = 1126.78 + 308.31 + 322.27 = Rs. 1757.36 [without GST + LC + SF]

नोट:- यदि पट्टा का कोई हिस्सा या किसी भी हिस्से का उल्लेख या उल्लेख नहीं किया गया है तो उसे उल्लेख किया जाएगा।

(A) Labour for laying brick bats/shama kha including light rammings etc.

Unit = per m³

Taking output = 2.832 m³

Unskilled Manpower = 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, packing

Haulage of Materials by tractor

Unit = t.k.m

Taking output 3.60 tonnes load and load 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 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

(b) OH = 6%

Rs 54.92

Cost for 36 t.k.m =

Rs 970.27

Rate per t.k.m = Rs 26.95 ✓

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

Placing 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 minutes

(a) Labour

Rate = 0.03 @ 305 = Rs 9.15

Unskilled

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

(b) Machinery

Tractor 3.6 t capacity 0.4 @ 549.10/hour = Rs 54.91

front end loader 1.60 m³ capacity

0.083 @ 1403.00/h = Rs 116.45

(iii) Over head (OH) = 6%

Rs 23.13

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. as 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 Gr II = 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 Quintal Capacity = 2 Nos.	e 1872.00	Rs 3744.00
(b) Hire charge of diesel pump (pumping set) = 1 No.	e 3000.00	Rs 3000.00
(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 = 39.524

- 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. as
complete job.

Taking output = 30.50M
Unit = Per M.

(i) Labour:-

(a) Carpenter Gr II = 0.125 Nos	e Rs. 345.00	Rs 43.125
(b) Unskilled Magdoor = 0.25 No	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 90.02
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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 ✓

Kiratpur Paschim to Kiratpur purvi tola.



Latitude: 26.062374
Longitude: 86.216533
Elevation: 22.32 m
Accuracy: 4.9 m
Time: 10-11-2020 12:48
Note: Kiratpur paschim tola to Kiratpur purvi tola

5-15

5-15



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Longitude: 86.216533
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Accuracy: 4.9 m
Time: 10-11-2020 12:48
Note: Kiratpur paschim tola to Kiratpur purvi tola

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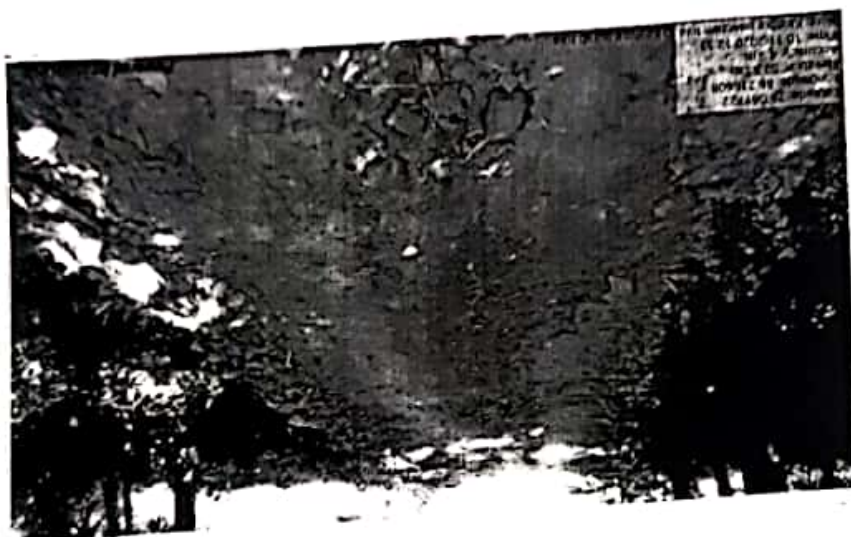
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Note: Kiratpur paschim tola to Kiratpur purvi tola

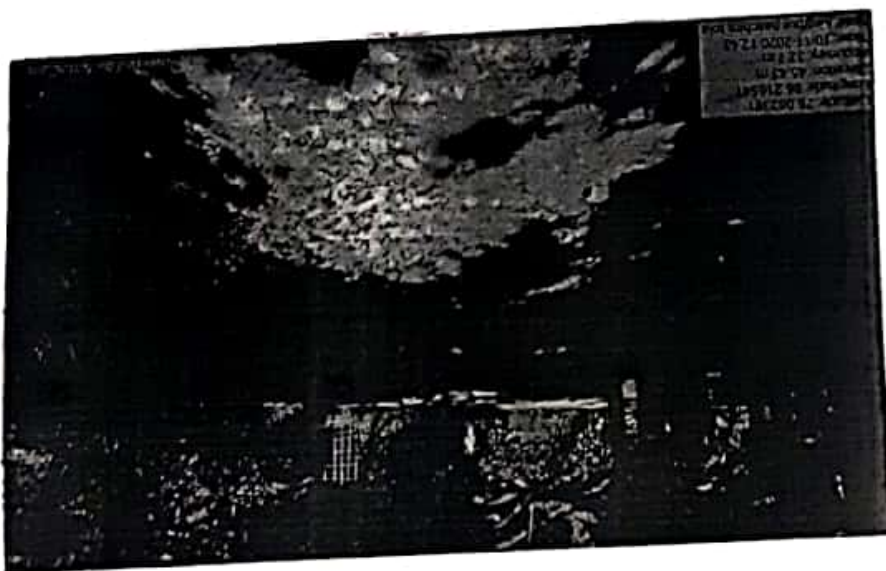
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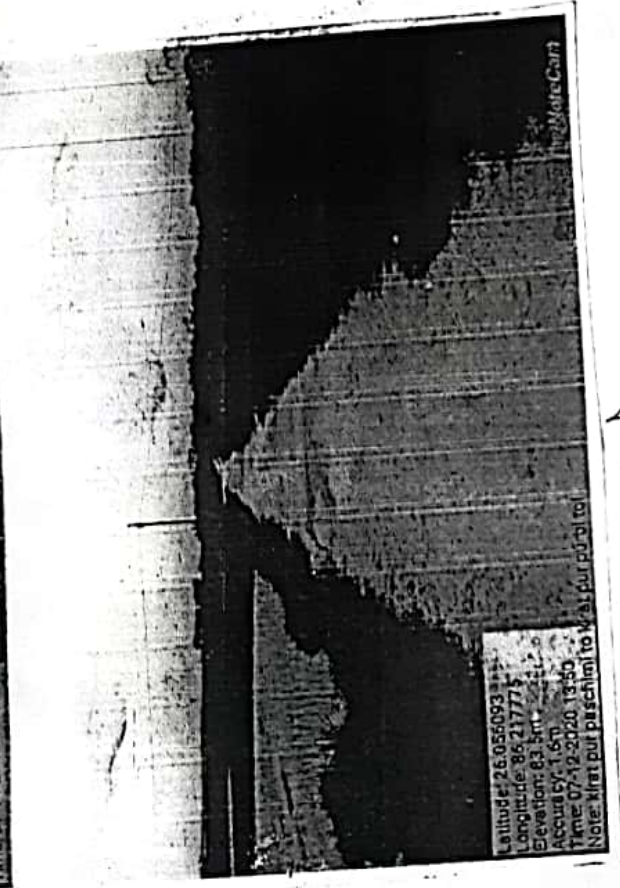
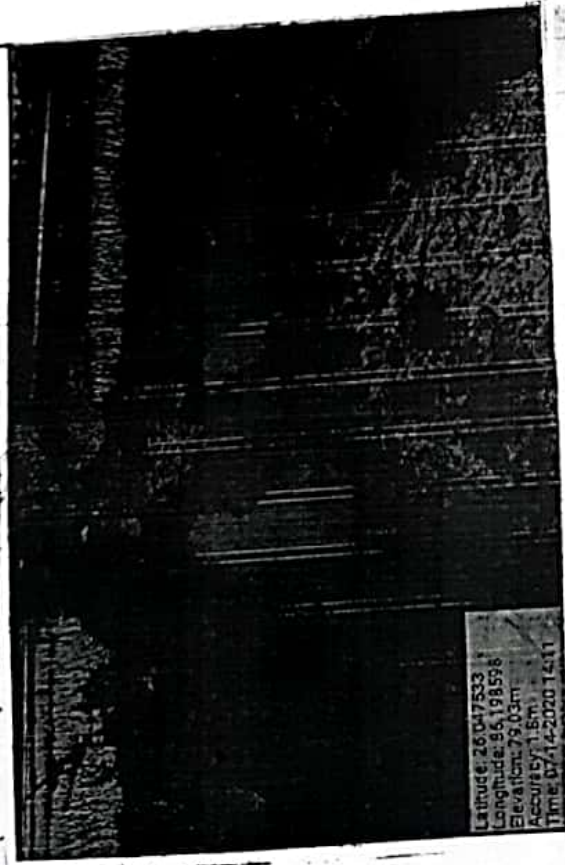
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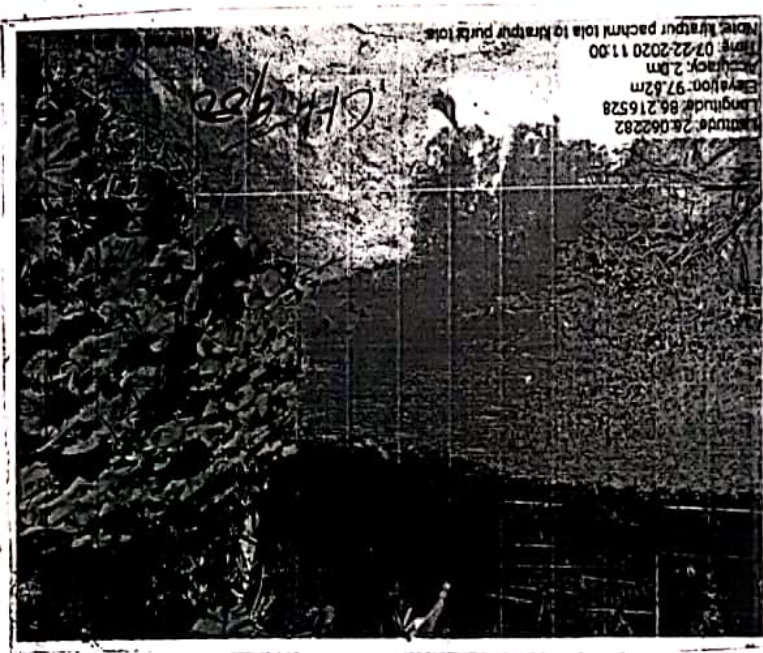
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