



ग्रामीण कार्य विभाग

पथ का नाम :- तारडीह ब्लॉक से महरिआ जामा टैंका तक पथ ।
 कार्य प्रमण्डल :- बेनीपुर ।
 कार्य अंचल :- दरभंगा ।
 प्रखण्ड का नाम :- तारडीह ।
 प्राक्कलित राशि :- ~~3,45,818~~
 3,37,307

प्रतिवेदन

पथ का नाम :- तारडीह ब्लॉक रंग गढ़रिया गावा खैका तह पथ |
पथ की लं० :- 5 KM
प्राक्कलित राशि :- 3,45,818 = 10

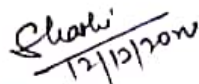
यह प्राक्कलन मो० 3,45,818 = 10 का बनाया गया है। ज्ञातव्य हो कि विगत माह जूलाई-अगस्त 2020 में अतिवृष्टि एवं बाढ़ के कारण तारडीह प्रखण्ड के बहुत से सड़क में टुटान हो गया। विभागीय आदेश -मु० अ०-04(मु०) विविध कार्य 23-40/2016-2729 अनु० दिनांक-21.08.2020 एवं कार्यपालक अभियंता महोदय के आदेश के अनुपालनार्थ यह प्राक्कलन बनाया गया है। प्राक्कलन में सड़क की अधिक गड्ढी खाई में मिट्टी भरकर तदनुपरान्त ईट टुकड़ा की एक समुचित परत डाल कर यातायात सुलभ हेतु मजबूतीकरण की गई है। फलैंक में क्रॉस पाइलिंग के उपरान्त सीमेंट की खाली बोरी में स्थानीय बालू भरकर सीमेंट कंक्रीट सड़क को बचाने का काम किया गया है।

प्राक्कलन वर्तमान में कार्य अंचल दरभंगा की अनुसूचित दर पर तैयार किया गया है।

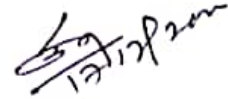
प्राक्कलन की स्वीकृति कार्य हीत एवं जनहीत में अपेक्षित है।


कनीय अभियंता,

ग्रामीण कार्य विभाग,
कार्य प्रशाखा तारडीह


सहायक अभियंता,

ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल तारडीह,


कार्यपालक अभियंता,

ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर

Abstract of Cost.

1. पथ का नाम :- ताखीह ब्लॉक से बमहरिया जामा के बीच स्थ।
2. प्राक्कलित राशि :- 3,45,818.00
3. कार्य प्रमण्डल :- बेनीपुर।
4. प्रखण्ड :- तारडीह।

- i. Providing and laying of brick bats in with carriage by tractor loading with front end loader with light ramming etc all complete jobs as per specifications and direction of E/I.

$$\begin{aligned}
 & 154.34 \text{ } 158.22 \text{ M}^3 \text{ @ } Rs 1810.16/\text{M}^3 = Rs 2,84,010.00 \\
 & \text{Add U.S.T 12.7} = Rs 2,91,150.00 \\
 & \text{Add J.I. L.C} = Rs 34,081.00 \\
 & \text{Add S.F} = (158.22 \text{ M}^3 \times 1063 \times 10) = Rs 16,818.78 \\
 & \text{Total} = Rs 3,45,818.78 \\
 & \text{So Rs} = 3,45,818.00
 \end{aligned}$$

(Signature)
JE

RWD, Work section
Tardih.

(Signature)
AE

RWD, Works Sub division
Tardih.

(Signature)
EE

RWD, Works Division
Benipur.

कार्यपालक अभियंता, आन्ध्रप्रदेश, कामप्रमण्डल - जमशदपुर में पत्रांक - 798 अ.प्र./
दिनांक 07-04-2021 द्वारा समर्पित अंश प्रविष्टि के आधार पर -

Part facto T/A for Rs 3,37,307.00 (Rupees Three Lacs -
thirty seven thousand three hundred seven) only,

(Signature)
Superintending Engineer

RWD, Works Circle, Darbhanga
09/04/2021

रह का नाम - तारडीह ब्लॉक से गढ़रिया गावा तक - 5km
 ब्लॉक का नाम - (तारडीह)

Flood damage Road Estimate - July - 2020.

Items of work.		Amount in Rs. Qty
providing and laying of brick bats with carriage by tractor loading with front end loader with light ramming etc all complete job as per E/L		
Chainage (m)	Length (m)	Measurement details
1000m.	30m	$30m \times 1.50m (W) \times 0.45m (H) = 20.25m^3$
1150m	10m	$10m \times 1.60m \times 0.60m (H) = 9.60m^3$
1350m	30m	$30m \times \left(\frac{3.50 + 3.40}{2} \right) \times 0.65m (H) = 67.27m^3$
	22m	$22m \times \left(\frac{3.40 + 3.30}{2} \right) \times 0.65m (H) = 47.90m^3$
1500m	8m	$8m \times 2.80m \times 0.45m (H) = 10.08m^3$
	4m	$4m \times 2.60m \times 0.30m (H) = 3.12m^3$
		158.22m ³
		158.22m ³
		JE AE EE

Physically verified and corrected on per site

07.04.21

219

रड का नाम - तारडी ब्लॉक से गैर. रंग गावा तक 5 km
 ब्लॉक का नाम - (तारडी)

Flood damage Road Estimate - July - 2020.

S.No	Items of work.	Amount in Rs. Qty																								
(1)	providing and laying of Brick Bats with carriage by tractor loading with front end loader with light Rimming etc all complete job as per E/c																									
	<table border="1"> <thead> <tr> <th>Charrage (m)</th><th>Length (m)</th><th>Measurement details</th></tr> </thead> <tbody> <tr> <td>1000m.</td><td>30m</td><td>$30m \times 1.50m (W) \times 0.45m (H) = 20.25m^3$</td></tr> <tr> <td>1150m</td><td>10m</td><td>$10m \times 1.60m \times 0.60m (H) = 9.60m^3$</td></tr> <tr> <td>1350m</td><td>30m</td><td>$30m \times \left(\frac{3.50 + 3.40}{2} \right) \times 0.65m (H) = 67.27m^3$</td></tr> <tr> <td></td><td>22m</td><td>$22m \times \left(\frac{3.40 + 3.30}{2} \right) \times 0.65m (H) = 47.90m^3$</td></tr> <tr> <td>1500m</td><td>8m</td><td>$8m \times 2.80m \times \frac{0.30m}{0.45m (H)} = 6.72m^3$</td></tr> <tr> <td></td><td>4m</td><td>$4m \times 2.60m \times \frac{0.25}{0.30m (H)} = 2.60m^3$</td></tr> <tr> <td colspan="2"></td><td> $158.22m^3$ $154.34m^3$ $= 158.22m^3$ </td></tr> </tbody> </table>	Charrage (m)	Length (m)	Measurement details	1000m.	30m	$30m \times 1.50m (W) \times 0.45m (H) = 20.25m^3$	1150m	10m	$10m \times 1.60m \times 0.60m (H) = 9.60m^3$	1350m	30m	$30m \times \left(\frac{3.50 + 3.40}{2} \right) \times 0.65m (H) = 67.27m^3$		22m	$22m \times \left(\frac{3.40 + 3.30}{2} \right) \times 0.65m (H) = 47.90m^3$	1500m	8m	$8m \times 2.80m \times \frac{0.30m}{0.45m (H)} = 6.72m^3$		4m	$4m \times 2.60m \times \frac{0.25}{0.30m (H)} = 2.60m^3$			$158.22m^3$ $154.34m^3$ $= 158.22m^3$	
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		12/12/2020 JE 12/12/2020 AE 12/12/2020 EE																								

FOR FDR JULY 2020.

Providing and laying of Bricks bats in Canning by Tractor loading (with tractor loader light tamping etc all complete job as per specification direction of E/P.

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

$$\textcircled{1} \begin{aligned} \text{Surface lead} &= 7 \text{ km} \\ \text{Katchha lead} &= 1 \text{ km} \\ \text{Factor } [5.6/2.25] &= 1.60 \end{aligned} \quad 8 \text{ km}$$

$$\text{Carrige Cost (with oil)} = [(1.60 \times 7 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] = \text{Rs } 418.71$$

$$\begin{aligned} \text{Total Cost of Bricks bats (with oil)} &= \text{Rs } 1126.78 \text{ [Bricks bats with oil]} \\ &+ \text{Rs } 418.71 \text{ [Carrige Cost with oil]} \\ &+ \text{Rs } 322.27 \text{ [Labour Cost with oil]} \\ \text{Total Rs } 1867.76 \text{ [without GST + 10\%]} \end{aligned}$$

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

$$\text{Carrige Cost (with oil)} = [(1.60 \times 6 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] = \text{Rs } 391.11$$

$$\begin{aligned} \text{Total Cost of Bricks bats (with oil)} &= \text{Rs } 1126.78 \\ &+ \text{Rs } 391.11 \\ &+ \text{Rs } 322.27 \end{aligned}$$

$$\text{Total Rs } 1840.16 \text{ [without GST + 10\%]}$$

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

$$\text{Carrige Cost (with oil)} = [(1.60 \times 5 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] = \text{Rs } 363.51$$

$$\begin{aligned} \text{Total Cost of Bricks bats (with oil)} &= \text{Rs } 1126.78 \\ &+ \text{Rs } 363.51 \\ &+ \text{Rs } 322.27 \end{aligned}$$

$$\text{Total Rs } 1812.56 \text{ [without GST + 10\%]}$$

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

$$\text{Carrige Cost (with oil)} = [(1.60 \times 4 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] = \text{Rs } 335.91$$

$$\text{Total Cost of Bricks bats (with oil)} = \text{Rs } 1126.78 + 335.91 + 322.27$$

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

$$\text{Carrige Cost (with oil)} = [(1.60 \times 3 \text{ km} \times 17.25) + (1.60 \times 1 \text{ km} \times 26.95)] = \text{Rs } 308.31$$

$$\text{Total Cost of Bricks bats (with oil)} = \text{Rs } 1126.78 + 308.31 + 322.27$$

नोट - मिटेगाडुसार कार्य हुआ है भंडा/चिमनी की दूरी का प्रमाण पत्र लगाया जाएगा। साथ ही दूरी के आधार पर ही दुलाई की मंजूरता होगी।

- (A) Labour for laying Brick bats / Shama khaa including 10% etc.

Unit = Per M^3

Taking output = 2.832 M^3

Unskilled Manpower = 3 Nos @ 287.00 = Rs 861.00

6% OH =

Rate For 2.832 M^3 =

Rate per M^3

Rs 5.61

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 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 366.22

(b) Time taken for empty return

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

(c) Time taken for empty return

= 0.400 @ 549.10/hour = Rs 219.64

(d) Over head (OH) charge 6%

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 empty haulage with load = 1.00 @ 549.10/hour = Rs 549.10

Time taken for empty return trip = 0.667 @ 549.10/hour = Rs 366.22

(b) OH @ 6%

Cost for 36 t.k.m = Rs 915.32

Rate per t.k.m = Rs 26.95

- (C) Loading and unloading Brick bats / Shama khaa / 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 M^3 / Time required 6.00

- (i) Labour

Rate 0.03 @ 305.00/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

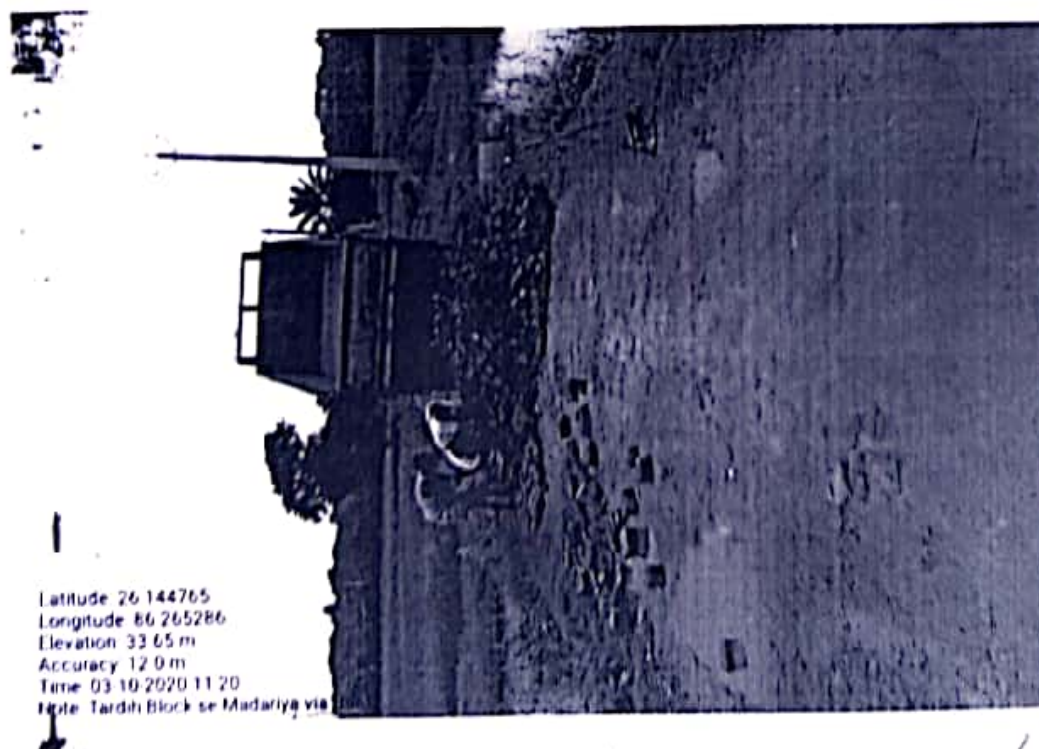
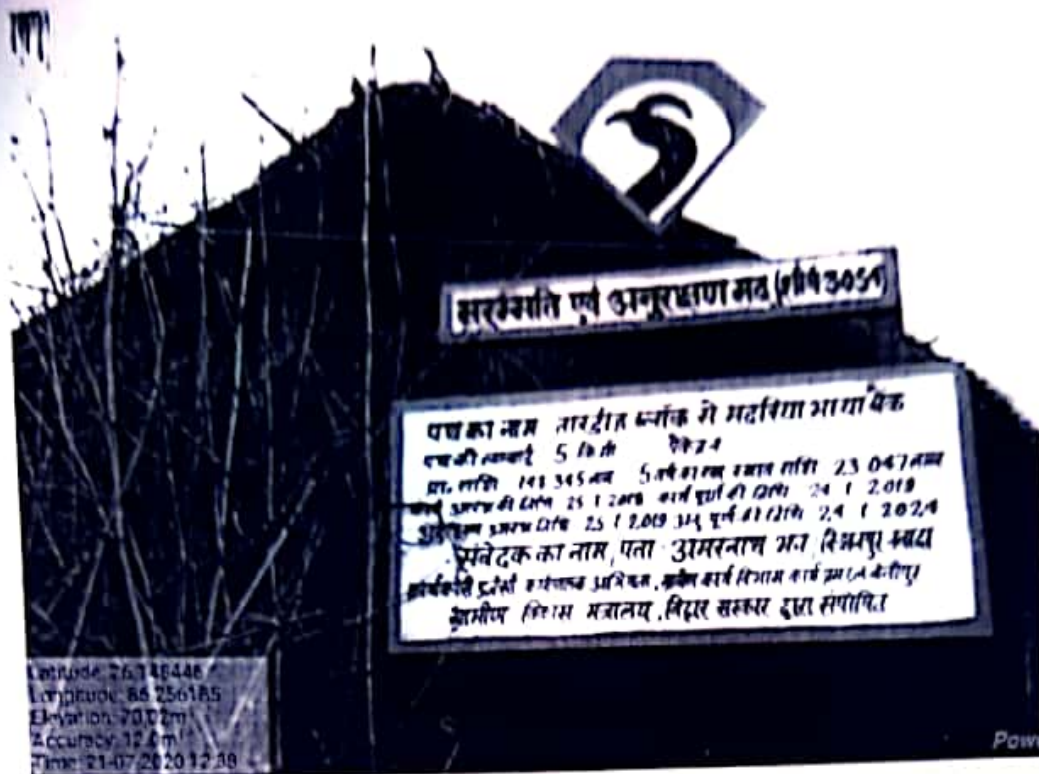
Front end loader 1 cum bucket 0.083 @ 1402.00/h = Rs 116.41

(iii) Over head (OH) = 6%

Cost for 2.25 M^3 = Rs 410.38

Rate per M^3 = Rs 182.39

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JE
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Charki
15/12/2020
AE
Tardik

EE
Read, Benipur

पथ का नाम - तारडीह ब्लॉक से मदरिया आया वैक



Latitude: 26.14484
 Longitude: 86.265286
 Elevation: 51.68 m
 Accuracy: 6.0 m
 Time: 03-10-2020 11:17
 Note: Tardih Block se Madariya Via Bank

Prabhu
 12/12/2020
 JE
 Tardih

Pharw
 12/12/2020
 AE
 Tardih

h
 EE
 RMD, Benipur