

3



ग्रामीण कार्य विभाग

पथ का नाम :- तारडीह ब्लॉक से मसवाही टीला से ऊँचा (तड फा)
(बैथवार से तारडीह ब्लॉक)
कार्य प्रमण्डल :- बेनीपुर।
कार्य अंचल :- दरभंगा।
प्रखण्ड का नाम :- तारडीह।
प्राक्कलित राशि :- ~~3,94,846 = 0~~
Rs: 2,92,538 = 0

Approved by

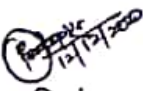
प्रतिवेदन

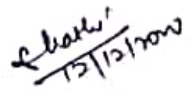
पथ का नाम :- तारडीह ब्लॉक से मसवाही टोला से केसवार तक पथ।
पथ की लं० :- 2.20km (केसवार से तारडीह ब्लॉक)
प्राक्कलित राशि :- 3,94,346 = 10

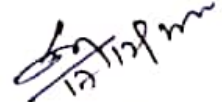
यह प्राक्कलन मो० 3,94,346 का बनाया गया है। ज्ञातव्य हो कि विगत माह जूलाई-अगस्त 2020 में अतिवृष्टि एवं बाढ़ के कारण तारडीह प्रखण्ड के बहुत से सड़क में टुटान हो गया। विभागीय आदेश -मु० अ०-04(मु०) विविध कार्य 23-40/2016-2729 अनु० दिनांक-21.08.2020 एवं कार्यपालक अभियंता महोदय के आदेश के अनुपालनार्थ यह प्राक्कलन 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 :- तारडीह ब्लॉक से मुखनासी टीला से कुम्भार तट पथ।
2. प्राक्कलित राशि :- 3,94,346 = 10 (कुम्भार से तारडीह ब्लॉक)
3. कार्य प्रमण्डल :- बेनीपुर।
4. प्रखण्ड :- तारडीह।

- i. Restoration of road embankment with approval material from borowpit of earth etc. do.....do.....

86.14 m³ @ Rs 172.79/m³ ————— Rs 14884 = 13
say 14884.00

- ii. 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/L.

172.59 m³ @ Rs 1840.16/m³ ————— Rs 317,593.21
126.01

Rs 246,763.00
Rs 3,314.79 = 39
Rs 2,9612.39
Rs 39,897 = 28
Rs 33,24 = 77
Add S.F. (86.14 x 34.81 + 126.01 x 1063) x 10/13695.00
= 18,646.17
Rs 3,94,345.38
say Rs 3,94,346 = 10
292,538

JE
RWD, Work section
Tardih.

AE
RWD, Works Sub division
Tardih.

EE
RWD, Works Division
Benipur.

अध्यापक अभियंता, आर.डी. वि., बी. प्रमण्डल - जमनगर या पत्रांक - 798 330/
दिनांक 07.04.2021 के द्वारा सन्निहित जांच परीक्षक के माध्यम पर —

Rs 292,538 = 10 (Rupees Two lacs —
ninety two thousands five hundred thirty eight) only.

Superintending Engineer
RWD, Works Circle, Darbhanga
09/04/2021

श्री का नाम - (कैलाश जी तारडीह ब्लॉक से मरावासी मीना में कैलाश तक 2.20km)
 ब्लॉक का नाम - तारडीह

Fixed Damage Road estimate - July - 2020.

Items of work	Amount/RS
Restoration of Road Embankment with approved material from borrow pit etc. do do all complete job of per E/L	10.17

CHAINAGE(M)	LENGTH(M)	MEASUREMENT DETAILS.
200M	12.10M	$12.10 \times \left(\frac{5 + 4.50}{2} \right) \times 0.90 \text{m (AV)} = 51.72 \text{m}^3$
1300M	8.50M	$8.50 \times \left(\frac{4 + 5}{2} \right) \times 0.90 \text{m (AV)} = \frac{34.42 \text{m}^3}{86.14 \text{m}^3} \text{Qty} = 86.14 \text{m}^3$

Providing and laying of Brick Bats with carriage by tractor loading with front end loader with light ramming etc all complete job of per E/L

CHAINAGE(M)	LENGTH(M)	MEASUREMENT DETAILS.
200M	12.10M	$12.10 \times \left(\frac{4.5 + 3.20}{2} \right) \times \frac{1.20}{4.20 \text{m (AV)}} = 55.90 \text{m}^3$
600M	17.20M	$17.20 \times \left(\frac{4.50 + 3.15}{2} \right) \times 0.90 \text{m (AV)} = 59.21 \text{m}^3$
800M	6M	$2 \times 6 \times 3.25 \text{m} \times 0.60 \text{m (AV)} = 23.40 \text{m}^3$
1300M	8.0M	$8.0 \times \left(\frac{4 + 3.15}{2} \right) \times 0.20 \text{m (AV)} = 34.08 \text{m}^3$
		172.59m^3 Qty = 172.59m ³

Signature
12/12/2020
AE

Signature
12/12/2020
AE

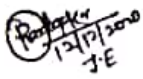
Signature
12/12/2020
EE

Physically verified and corrected as per Site

Signature
07.01.21
AE

Signature
07.01.21
EE

राड का नाम - तारडीह ब्लॉक से मसवासी टीला से केववार तक - 2.20km
 ब्लॉक का नाम - तारडीह (केववार से तारडीह ब्लॉक)
 Flood damage Road estimate - July - 2020.

Items of work	Amount in Rs	
1) Restoration of Road embankment with approved material from borrow pit etc. do - do all complete job as per E/C		
CHAINAGE(M)	LENGTH(M)	MEASUREMENT DETAILS.
200M	12.10M	$12.10M \times \left(\frac{5+4.50}{2} \right) \times 0.90M (AV) = 51.72m^3$
1300M	8.50M	$8.50M \times \left(\frac{4+5}{2} \right) \times 0.90M (AV) = \frac{34.42m^3}{86.14m^3}$ $QTY = 86.14m^3$
2) 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/C		
CHAINAGE(M)	LENGTH(M)	MEASUREMENT DETAILS.
200M	12.10M	$12.10M \times \left(\frac{4.5+3.20}{2} \right) \times 0.20M (AV) = \frac{9.32}{55.90m^3}$
600M	17.20M	$17.20M \times \left(\frac{4.50+3.15}{2} \right) \times 0.90M (AV) = 59.21m^3$
800M	6M	$2 \times 6M \times 3.25M \times 0.60M (AV) = 23.40m^3$
1300M	8.0M	$8.0M \times \left(\frac{4+3.10}{2} \right) \times 0.20M (AV) = 34.08m^3$
		$\frac{126.01m^3}{172.59m^3}$ $QTY = 172.59m^3$
 J.E. 12/12/2020		AE 12/12/2020
		EE 12/12/2020

FOR FDR JULY 2020.

Providing and Laying of Brick bats with Carriage by Tractor loading with front end loader with Light ramming etc all Complete job as per specifications and direction of E/P.

BY TRACTOR (without C.P) for Departmental work

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\text{Total Cost of Bricks P.M.B.} = 1126.78 + 335.91 + 322.27 = \text{Rs. } 1784.96$$

$$\text{[without GST + LC + SF]}$$

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

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

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

$$\text{Total Cost of Bricks P.M.B.} = 1126.78 + 308.31 + 322.27 = \text{Rs. } 1757.36$$

$$\text{[without GST + LC + SF]}$$

नोट: - मित्रागुप्त कार्गो द्वारा यह ठेका/विभागी की इरी का प्रस्ताव प्राप्त करने में देरमाग प्राप्त होगी। साथ ही इरी के आधार पर ही दुबारा की आकलन किया जाएगा।

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

Unit = Per M³
 Taking output = 2.832 M³
 Unskilled Magdoor = 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, stacking
Haulage of Materials by Tractor

Unit = t.km
 Taking output 3.60 tonnes load and lead 10 km = 36.0 t.km

(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 = 0.400 @ 549.10/hour = Rs 35.15
 (b) over load (OH) charge 6%
 Cost for 36 t.km = Rs 621.04

Rate per t.km = 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%
 Cost for 36 t.km = Rs 915.35
 Rate per t.km = Rs 25.43 ✓

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

placing material in loader, loading with front loader, dumping, turning for return trip, extending haulage and return trip.

Unit: cum / Taking output = 2.25 M³ / Time required = 6 min

(i) Labour
 Unskilled Labour for loading/unloading 0.72 @ 287.00/day = Rs 206.64
 6% OH = Rs 12.40

(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 116.45
 6% OH = Rs 23.13

(iii) over head (OH) - 6%
 Cost for 2.25 M³ = Rs 410.38
 Rate per M³ = Rs 182.39 ✓

(D) Supply for Brick bats (with OH) Rs 1126.78 ✓
 Basic Rate of Brick bats Rs 63.78 ✓
 6% OH Rs 3.83 ✓

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 out put = 200M
Unit = Per/metre.

(i) Labour

(a) Unskilled Magdoor = 5 Nos.	@ Rs. 287.00	Rs 1435.00
(b) Semi Skilled Magdoor = 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 set) = 1 No	@ 300.00	Rs 300.00
(c) Diesel Pw 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 runners -
in position of 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 out put = 30.50M
Unit = Per M

(i) Labour:-

(a) Carpenter Gr II = 0.125 Nos	@ Rs 345.00	Rs 43.125
(b) Unskilled Magdoor = 0.125 No	@ Rs 287.00	Rs 35.875

(ii) Material:-

Cost of 150mm long = 0.50 kg	@ Rs 60.03	Rs 30.02
Nails or G.I. wires		
Total =		Rs 144.895

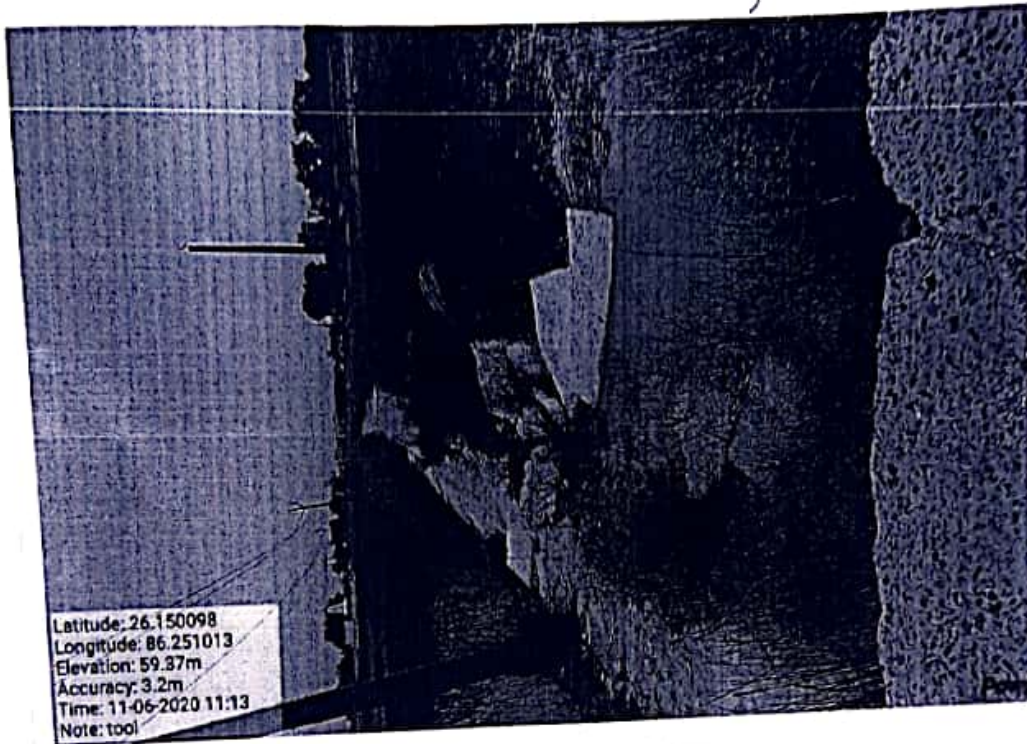
Add 6% OH = Rs 8.690

Total = ~~153.585~~

For 30.5 M → 153.585

Per M ... Rs 5.04

पथ का नाम: — तारदीह ब्लॉक से मसवाही रोला केगवार पथ
(केगवार से तारदीह ब्लॉक तक)



✓ JE
Tardin

Photo
12/12/2010
AE
Tardin

by
EE
RWD, Benipur

पक्ष का नाम - तासीह ब्लॉक से गहावासी ताला से केदार तब पक्ष।
 - (केदार से तासीह ब्लॉक तब)



पक्ष
 12/12/2019
 J.E

Shash
 12/12/2019
 A.E
 Tardoh

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