ग्रामीण कार्य विभाग

पथ का नाम :– लगमा से नवटोलिया आदम टोला तक पथ।

कार्य प्रमण्डल :– बेनीपुर।

कार्य अंचल :– दरभंगा।

प्रखण्ड का नाम :– तारडीह।

प्राक्कलित राशि :– 63,160=00
Rs 59,057=00

[redacted].

प्रतिवेदन

पथ का नाम :– लगमा से नवलकिशोर यादव टोला तक पथ।–
पथ की लं0 :– 2.39KM
प्राक्कलित राशि :– 62,160=00

यह प्राक्कलन मो0......62,160=00...............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 –मु0 अ0–04(मु0) विविध कार्य 23–40/2016–2729 अनु0 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 मजबुतीकरण की गई है। फ्लैंक में क्रॉस पाइलिंग के उपरान्त सीमेंट की खाली बोरी में स्थानीय बालू भरकर सीमेंट कंक्रीट सडक 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,	सहायक अभियंता,	कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,	ग्रामीण कार्य विभाग,	ग्रामीण कार्य विभाग
कार्य प्रशाखा तारडीह	कार्य अवर प्रमण्डल तारडीह,	कार्य प्रमण्डल बेनीपुर

Abstract of Cost.

1. पथ का नाम :– लगमा से नवटोलिया आहर टोला तक पथ।
2. प्राक्कलित राशि :– 62,160=00
3. कार्य प्रमण्डल :– बेनीपुर।
4. प्रखण्ड :– तारडीह।

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

43.55 M3 @ Rs 172.79/M3 ———— Rs 7525=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/I.

~~24.48~~ 23.06 M3 @ Rs 1840.16/M3 ———— Rs ~~45047=76~~ 42434.00

Rs ~~52,573.76~~ 49,959.00

Add G.S.T 12% ———— Rs ~~63,088=65~~ 55,995.00

Add 1% L.C ———— Rs ~~525.72~~ 500.00

Add S.F (4355 x 34.81 + ~~24.48~~ 23.06 x 1063) x 10% = ~~2353=87~~ 2603.00

Rs ~~62,160=25~~ 59,057.00

say Rs = ~~62,160=00~~ 59,057.00

JE
RWD, Work section
Tardih.

AE
RWD, Works Sub division
Tardih.

EE
RWD, Works Division
Benipur.

कार्यपालक अभियंता, ग्रा०का०वि०, कार्य प्रमंडल - जयनगर के पत्रांक - 798 अनु०/ दिनांक 07.04.2021 के द्वारा समर्पित जाँच प्रतिवेदन के आधार पर

Post facto T/A for Rs 59,057.00 (Rupees Fifty nine thousand fifty seven) only.

09.04.21

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

योजना का नाम – लेम्गा से ... आदर्श ... तक ...
ब्लॉक का नाम – (तारोह)

Flood dammage Road estimate – July – 2020.

Items of work	Amount (in Rs)
Restoration of Road embankment with approved material from borrowpits of earth do – do – do –	

Chainage (m)	Length (m)	Measurement details.
1600m Near पुल (Bridge)	5M	5M × ((1.60m + 1.50)/2) × 0.90m (Av) = 6.77m³
	15M	Flank both sides 2 × 15m × ((1.20 + 0.90)/2) × ((0.90 + 0.60)/2) = 23.62m³
	18M	= 2 × 9m × ((1.50 + 0.90)/2) × ((0.90 + 0.30)/2) = 12.96m³
		ⓔ 43.35m³ ... = 43.55 m³

Providing and laying of Back Boits with carriage by tractor loading with front end loader with light Ramming etc all complete job as per E/I

Chainage (m)	Length (m)	Measurement details –
1630 M Near (पुल)	4M	4m × ((3.60 + 3.50)/2) × 0.90m (Av) (0.80) = 12.75m³
1650 M	6M	6m × ((3.1 + 3.5)/2) × 0.60m (Av) = 11.70m³
		ⓔ 24.45m³ = 24.75m³

J.E. — AE (Checked 15/12/20) — EE

Physically verified and corrected as per site

07.04.21 AE — EE

F.D.R.-2020-21

रोड का नाम - लगमा से जवलीलिया यादव टोला तक - 2.39 KM

ब्लॉक का नाम - (तारडीह)

Flood dammage Road estimate - July - 2020.

S.No	Items of work	Amount or Qty
(1).	Restoration of Road embankment with approved material from borrowpit of earth - do - do - do —	
	Chainage (m) | **Length (m)** | **Measurement details.**	
	1600m Near पुल (Bridge) | 5M | $5M \times \left(\frac{3.60m + 3.50}{2}\right) \times 0.90m(Av) = 6.97m^3$	
	| 15M | Flank both sides $2 \times 15m \times \left(\frac{1.20 + 0.90}{2}\right) \times \left(\frac{0.90 + 0.60}{2}\right) = 23.62m^3$	
	| 18M | $= 2 \times 9m \times \left(\frac{1.50 + 0.90}{2}\right) \times \left(\frac{0.90 + 0.30}{2}\right) = 12.96m^3$	
	Total = 43.55m³	Qty = 43.55 m³
(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/I	
	Chainage (m) | **Length (m)** | **Measurement details** -	
	1630M Near (पुल) | 4M | $4m \times \left(\frac{3.60 + 3.50}{2}\right) \times \text{~~0.90m~~ } 0.80 (Av) = \text{~~12.78m^3~~ } 11.36 m^3$	
	1650M | 6m | $6m \times \left(\frac{3.1 + 3.5}{2}\right) \times 0.60m(Av) = 11.70m^3$	
	Total = ~~24.48m³~~ 23.06	= ~~24.48m³~~ 23.06 m³

Prakash 15/12/2020 J.E

Sd/- 15/12/20 AE

Sd/- EE

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 specification and direction of E/E

BY TRACTOR. [without C.P] For Departmental Work

(1) Surface lead = 7 K.M } 8 K.M
Katchha lead = 1 K.M }
Factor [S.6/2.25] = 1.60

i.e Carriage Cost (with OH) = [(1.60 × 7 K.M × 17.25) + (1.60 × 1 K.M × 26.95) + 182.39]

= Rs 418.71

Since Total Cost PM³ (Brick bats) = 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 PM³ [without GST + LC + SF]

(2) Surface lead = 6 K.M / Katchha = 1 K.M / Factor = 1.60

Carriage Cost (with OH) :- [(1.60 × 6 K.M × 17.25) + (1.6 × 1 K.M × 26.95) + 182.39]
= Rs 391.11

Total Cost of Bricks bats PM³ = Rs 1126.78
+ Rs 391.11
+ Rs 322.27

Total Rs 1840.16 PM³ [without GST + LC + SF]

(3) Surface lead = 5 K.M / Katchha = 1 K.M / Factor = 1.60

Carriage Cost (with OH) :- [(1.60 × 5 K.M × 17.25) + (1.6 × 1 K.M × 26.95) + 182.39]
= Rs 363.51

Total Cost of Brick bats PM³ = 1126.78
+ 363.51
+ 322.27

Total Rs 1812.56 PM³ [without GST + LC + SF]

(4) Surface lead 4 K.M / Katchha = 1 K.M / Factor = 1.60

Carriage Cost (with OH) :- [(1.60 × 4 K.M × 17.25) + (1.6 × 1 K.M × 26.95) + 182.39]
= Rs 335.91

Total Cost of Brick bats PM³ = 1126.78 + 335.91 + 322.27 = Rs 1784.96 [without GST + LC + SF]

(5) Surface lead 3 K.M / Katchha = 1 K.M / Factor = 1.60

Carriage Cost (with OH) :- [(1.6 × 3 K.M × 17.25) + 43.12 + 182.39]
= Rs 308.31

Total Cost of Brick bats PM³ = 1126.78 + 308.31 + 322.27 = Rs 1757.36 [without GST + LC + SF]

नोट:- निर्देशानुसार कार्य स्थल से भट्ठा/चिमनी की दूरी का प्रमाण प्राक्कलन में दर्शाया जायेगा। साथ ही दूरी के आधार पर ही ढुलाई की आगणन किया जायेगा।

(A) Labour for laying Brick bats / Jhama khoa including lift etc.

Unit: Per M^3

Taking output = 2.832 M^3

Unskilled Mazdoor	3 Nos @ 287.00	Rs 861.00
6% OH	=	Rs 51.66
Rate For 2.832 M^3	=	Rs 912.66
Rate per M^3		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 k.M = 36 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 (i) (Time taken for onward haulage with load)	0.667 @ 549.10/hour	= Rs 366.25
(ii) Time taken for empty return	0.400 @ 549.10/hour	= Rs 219.64
(b) Over Load (OH) Charge 6%		Rs 35.15
		= Rs 621.04

Cost For 36 t.K.M

Rate Per t.K.M = Rs 17.25 ✓

(ii) Katchha Road:

speed with load 12 k.M/hour

speed for empty return trip 20 kM/hour

(a) Machinery

Tractor 3.6 tonnes Capacity, Time taken for onward 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.KM =

Rate Per t.K.M = Rs 26.95 ✓

(C) Loading and unloading Brick bats/Jhama Khoa/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 Total: 6 minute

(i) Labour

Mate	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 @ 25 cum/h capacity	0.083 @ 1403.00/h	= Rs 116.45
(iii) Over Load (OH) = 6%		Rs 23.23
Cost For 2.25 M^3		Rs 410.38
Rate Per M^3		Rs 182.39 ✓

(D) Supply for Brick bats (with OH)

Basic Rate of Brick bats Rs 1063.00 / Rs 1126.78 ✓

Add 6% OH Rs 63.78 /

Bamboo piling items.

(1) Cost of labour for cutting 62 mm to 75 mm 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 Mazdoor	= 5 Nos.	@ Rs. 287.00	Rs 1435.00
(b) Semi Skilled Mazdoor	= 1 No	@ Rs 297.00	Rs 297.00
(c) Carpenter Gr II	= 1.5 Nos	@ Rs. 345.00	Rs 512.50
(d) Drill operator	= 1.00 No	@ Rs 345.00	Rs 345.00

Total = Rs 2596.50 (A)

(ii) Machinary

(a) Hire charge of boat 40 quintal Capacity	= 2 Nos.	@ 1872.00	Rs 3744.00
(b) Hire charge of diesel Pump (pumping set)	= 1 Nos	@ 300.00	Rs 300.00
(c) Diesel for 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 Rs

(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

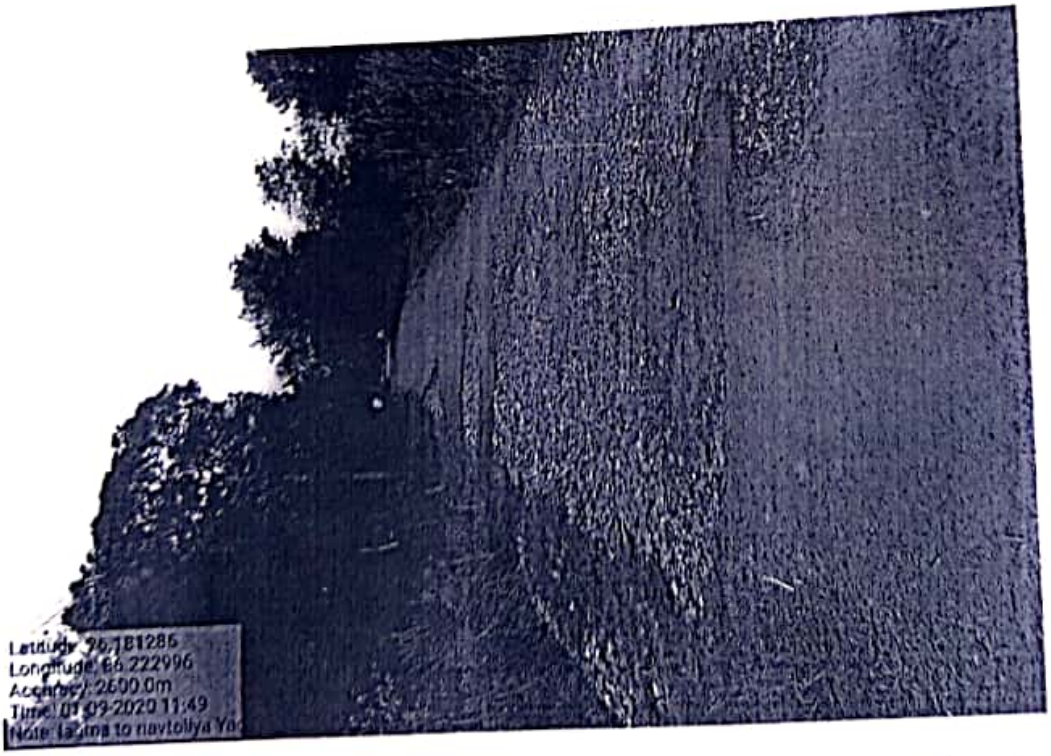
(i) Labour's

(a) Carpenter Gr II	= 0.125 Nos	@ Rs. 345.00	Rs 43.125
(b) Unskilled Mazdoor	= 0.25 Nos	@ Rs 287.00	Rs 71.750

(ii) Materials:-

Cost of 150mm long nails or G.I. Wires	0.50 kg	@ 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
1M → Rs 5.04.



JE
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AE
Tardeh

FE
RWD, Benipur

पथ का नाम - लगमा से नवटोलिया यादव टोला तक पथ।

पथ

15/12/2020
J.E

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