ग्रामीण कार्य विभाग

पथ का नाम :— R.E0 सड़क से फुलवरियाँ तक पथ।

कार्य प्रमण्डल :— बेनीपुर।

कार्य अंचल :— दरभंगा।

प्रखण्ड का नाम :— तरडीह।

प्राक्कलित राशि :— ~~4,24,914=00~~
₹ 4,03,877=00

~~Abstract of Cost~~

प्रतिवेदन

पथ का नाम :– R.E.O सड़क से फुलवरिआँ तक पथ।
पथ की लं0 :– 3.0KM
प्राक्कलित राशि :– ₹ 1,24,914=00

यह प्राक्कलन मो0 1,24,914 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।

12/12/2020	12/12/2020	12/12/2020
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 :– R.E.O सड़क से फुलवारियाँ तक पथ।
2. प्राक्कलित राशि :– 4,24,914=0
3. कार्य प्रमण्डल :– बेनीपुर।
4. प्रखण्ड :– तारडीह।

S.O.R. 9.3

i. Providing and laying reinforced cement concrete pipe NP3 etc. 600 MM Ø.
do..............................do...........all complete job.

5M @ Rs 2629.73/Mtr ———— Rs 13,148=65

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.

~~187.61~~ M³ @ Rs 1840.16/M³ ———— Rs ~~345237.24~~ 327521.05
177.985 M³
~~340670.00~~
Rs ~~358381.06~~

Add GST 12% ———— Rs ~~43005.72~~ 46880.00
Add 1% L.C ———— Rs ~~3583.81~~ 3407.00
Add S.F (~~187.61~~ 177.985 × 1063 × 10%) = ~~19942.94~~ 18920.00

Rs ~~4,24,913=5~~
Say Rs 4,24,914=0
Total Rs 4,03,877=00

(Signed) 17/12/2020
JE
RWD, Work section
Tardih.

(Signed) 17/12/2020
AE
RWD, Works Sub division
Tardih.

(Signed) 17/12/2020
EE
RWD, Works Division
Benipur.

कार्यपालक अभियंता, ग्रा० का० वि०, कार्यप्रमंडल-बेनीपुर का पत्रांक- 798 अनु०/ दिनांक-07.04.2021/ के द्वारा समर्पित- संचिका प्रतिवेदन के आधार पर-

Post-Facto T/A रु० 4,03,877=00 (Rupees Four lacs three thousand eight hundred seventy seven) only.

(Signed) 09.04

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

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पथ का नाम - R.E.O सड़क से फुलवरिया तक पथ - 3.0KM

ब्लॉक का नाम - (तारडीह)

Flood dammage Road estimate detail - 2020.

Items of work			Qty.
Providing and laying R.C.C hume pipe HP3 600mm) dia reinforcement concrete pipe for culvert in cuts part work do. do all complete job as per e/L			
Chainage (M)	Length (M)	Measurement details.	
0	—	—	
1100M	5M	2Nos X 2.50M = 5M R.C.C hume pipe (600ɸ) ∴ Qty = 5M	5M
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.	
350.0M	10.60M	$10.60M \times \left(\frac{0.90+0.75}{2}\right) \times 0.15M(AV) =$ 1.31m³	
500M	9M Flank.	$2 \times 9M \times \left(\frac{1.1+1.20}{2}\right) \times \left(\frac{0.60+0.30}{2}\right) =$ 8.91m³	
	28M	$28M \times \left(\frac{3.0+2.80+3.30}{3}\right) \times 0.60M(AV) =$ (0.7+0.6+.5)/3 50.95m³	
600M	10M	$2 \times 10M \times 1M \times 0.20M(AV) =$ 4.0m³	
	2M	$2 \times \left(\frac{1.40+1.20}{2}\right) \times 0.20M(AV) =$ 0.52m³	
	2.10m	$2.10m \times \left(\frac{0.90+0.80}{2}\right) \times 0.25M(AV) =$ 0.44m³	
900M	8M	$8M \times \left(\frac{3+2.90}{2}\right) \times 0.15M(AV) =$ 3.54m³	
1100M cuts	30M	$15M \times \left(\frac{3.40+3.20}{2}\right) \times 0.95M(AV) =$ (0.90) 47.02m³ $15M \times \left(\frac{3.20+3.50}{2}\right) \times 1.30M(AV) =$ 65.32m³	
1500M	8.90M	$8.90M \times \left(\frac{1.20+0.90}{2}\right) \times 0.60m(AV) =$ 5.60m³ Qty = 187.61m³	187.61m³

(signature) 13/12/2020 — J.E

(signature) 13/12/2020 — A.E

(signature) 13/12/2020 — E.E

Physically verified and corrected as per site

(signature) 27.04.21 AE

(signature) 3/4

F.D.R. 2020-21

पथ का नाम - R.C.O सड़क से फुलवारिया तक पथ - 3.0KM

ब्लॉक का नाम - (नारडीह)

Flood dammage Road estimate detail - 2020.

S.NO	Items of work			Qty.
[1]	Providing and laying R.C.C hume pipe HP3 600mm) dia reinforcement concrete pipe for culvert in culs part work .do.do all complete job as per e/L			
	Chainage (M)	Length (M)	Measurement details.	
	0	—	—	
	1100M	5M	2NOS X 2.50M = 5M R.C.C hume pipe (600 φ) ∴ Qty = 5M	5M
[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/L			
	Chainage (M)	Length (m)	Measurement details.	
	350.0M	10.60M	$10.60M \times (\frac{0.90+0.75}{2}) \times 0.15M(AV) =$ 1.31M³	
	500M	9M Flank.	$2 \times 9M \times (\frac{1+1.20}{2}) \times (\frac{0.60+0.30}{2}) =$ 8.91M³	
		28M	$28M \times (\frac{3.0+2.80+3.30}{3}) \times$ ~~0.60M~~ $(0.7+0.6+1.5)/3$ (AV) = 50.95M³	
	600M	10M	$2 \times 10M \times 1M \times 0.20M(AV) =$ 4.0M³	
		2M	$2M \times (\frac{1.40+1.20}{2}) \times 0.20M(AV) =$ 0.52M³	
		2.10M	$2.10M \times (\frac{0.90+0.80}{2}) \times 0.25M(AV) =$ 0.44M³	
	900M	8M	$8M \times (\frac{3+2.90}{2}) \times 0.15M(AV) =$ 3.54M³	
	1100M culs	30M	$15M \times (\frac{3.40+3.20}{2}) \times$ ~~0.95M~~ 0.80 (AV) = 39.60 ³ ~~47.02M³~~	
			$15M \times (\frac{3.20+3.50}{2}) \times 1.30M(AV) =$ 65.32M³	
	1500M	8.90M	$8.90M \times (\frac{1.20+0.90}{2}) \times 0.60M(AV) =$ 5.60M³	
			Qty: ~~187.61M³~~ 180.19M³	~~187.61M³~~

$(1 \times \pi/4 \, d^2 \times 5M)$

Less 5M 600mm dia HP ———— 2.205

Taken qty = 177.985 M³

J.E (signed 17/12/2020) A.E (signed 17/12/2020) E.E (signed 17/12/20)

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(I) Supply for Brick bats (with OH)
Basic Rate of Brick bats Rs 1063.10 / Rs 1126.78
Add 6% OH Rs 63.78

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

Unit = Per M³

Taking output - 2.832 M³

Unskilled Mazdoor = 3 Nos @ 287.00 = Rs 86...

6% OH : Rs 51.6..

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 K.M = 36.0 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 (Time taken for onward haulage with load) 0.667 @ 549.10/hour = Rs 366.2..

(ii) Time taken for empty return - 0.400 @ 549.10/hour - Rs 219.6.

(b) Over Load (OH) charge 6% Rs 35...

COST For 36 t.K.M Rs 621.0.

Rate for t.K.M = Rs 17.25

(ii) Katchha Road:-

Speed with load 12 K.M/hour

Speed for empty return trip 20 K.M/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...

COST For 36 t.KM = Rs 97...

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 M³ / Time required 8 ...

(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 capacity, 25 cum/h 0.083 @ 1403.00/h = Rs 116.45

(iii) Over Load (OH) = 6% Rs 23.23

COST For 2.25 M³ ——— Rs 410.38

Rate Per M³ ——— Rs 182.39

FOR FDR July 2020.

Providing and laying of Brick bats ... Carriage by Tractor loading (with ... loading ...) light ramming etc all complete job as per specification ... direction of E/I.

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 ...) + 187.59]

= Rs 418.71

Unit Total Cost P/M³ (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 P/M³ [without GST + LC + SI]

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) + ...]
= Rs 391.11

Total Cost of Bricks bats P/M³ = Rs 1126.78
+ Rs 391.71
+ Rs 322.27

Total Rs 1840.16 P/M³ [without ...]

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 ... × 26.95) + ...]
= Rs 363.51

Total Cost of Brick bats P/M³ = 1126.78
+ 363.51
+ 322.27

Total Rs 1812.56 P/M³ [without ...]

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) + ...]
= Rs 335.91

Total Cost of Brick bats P/M³ = 1126.78 + 335.91 + 322.27 = Rs ...
(without ...)

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 + 187.59]
= Rs 308.31

Total Cost of Brick bats P/M³ = 1126.78 + 308.31 + 322.27 = Rs ...
(without ...)

नोट :- निर्देशानुसार कार्य स्थल से गड्ढा / निर्माणी की दूरी का ... आवश्यकतानुसार ... दूरी के आधार पर ही ढुलाई की ... ।

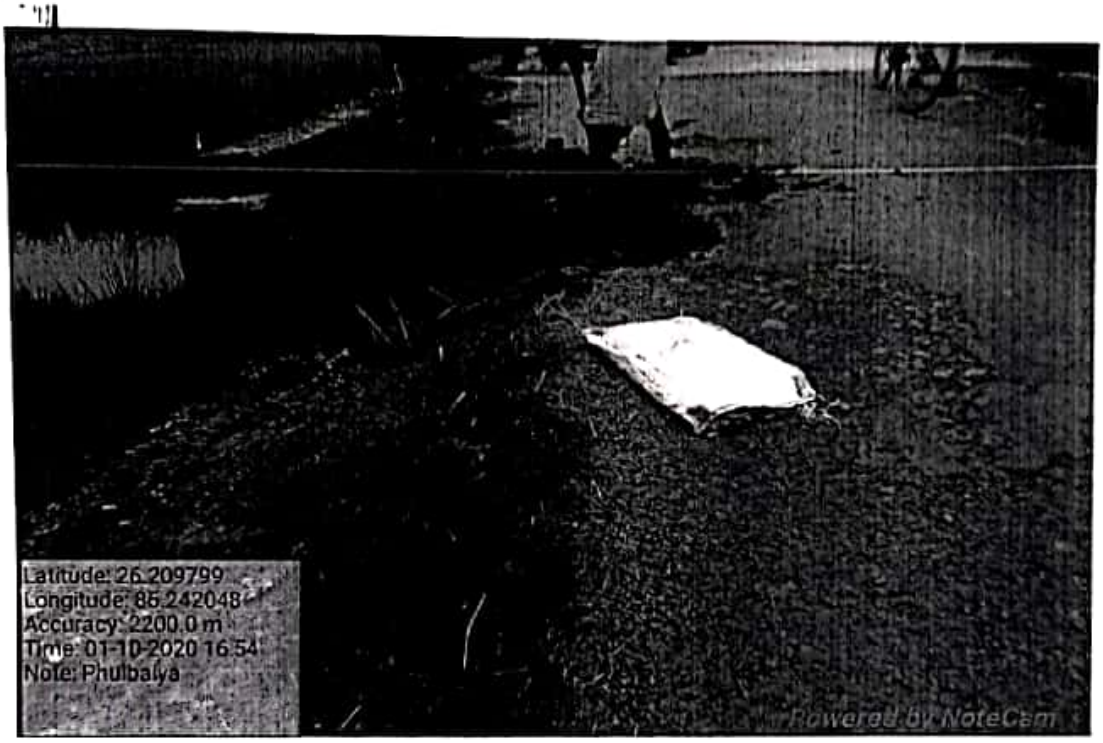
पथ का नाम :— REO से फुलवरिया

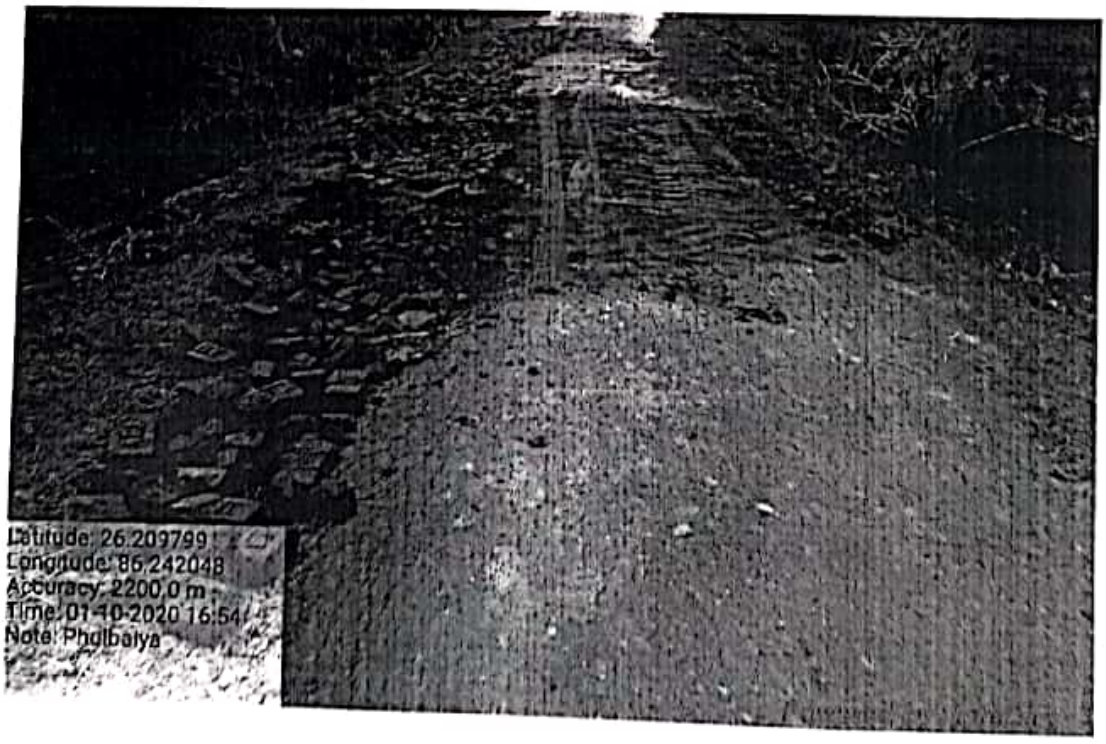
12/12/20
JE
Tardih

12/12/20
AE
Tardih

EE
RWSD, Benipur

पथ का नाम :- REO रोड से धुमरिया





JE
RWD, Benipur
(Tardih)

AE
RWD, Benipur
(Tardih)

EE
RWD, Benipur

पथ का नाम — REO रोड से फुलवरिया

JE
Road, Benipur
(Tardih)

12/12/20
AE
RWD, Benipur
(Tardih)

EE