ग्रामीण कार्य विभाग

पथ का नाम :– Jayanti pur Gachhi gola to yadav tola

कार्य प्रमण्डल :– बेनीपुर।

कार्य अंचल :– दरभंगा।

प्रखण्ड का नाम :– अलीनगर।

प्राक्कलित राशि :– 5,03,340=00 ~~7,18,705.00~~

प्रतिवेदन

पथ का नाम :– Jayamti pur Gachhitola to yadav tola.
पथ की लं0 :– 0.720KM
प्राक्कलित राशि :– ~~7,78,905.00~~
5,03,340=00

माह जुलाई अगस्त में हुई अतिवृष्टि के फलस्वरूप विभिन्न नदियों एवं नालों में आये बाढ 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 –मु0 अ0–04मु0 विविध कार्य 23–40/2016–2729अनु0 दिनांक–21.08.2020 के आलोक में क्षतिग्रस्त पथों के ईट टुकडे एवं चिमनी छाई से भरकर यातायात पुर्नस्थापन किया गया। किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोतर 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।

18/12/2020
कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा अलीनगर,

15/1/2020
सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमण्डल अलीनगर,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमण्डल बेनीपुर,

flood Estimate

Name of Road - Sayantipur gachhitola to Yadav tola.

Length of road - 0.700km

Item No-(1) providing & laying brick pitching with brick bats including loading. un-loading and light ramming all complete job.

15.00M X 2.40M X (0.90+0.60+1.00)/3 = 30.00 m³

15.00M X 2.40M X 0.45M = 16.20M³

10.00M X 2.30M X (1.00+0.60)/2 = 18.40 m³

75.00M X 2.40M X (0.80+0.90)/2 = 153.00 m³

10.00M X 2.10M X (0.30+0.60)/2 = 3.45 m³

Total: 227.05m³

227.05m³ @ 1867.76M³ - 4,24,075=00

Add 12 % G.S.T - 50,889=00

Add 1 % L.C - 4241=00

Add for S.f 10%.

227.05 M³ X 1063.00 X 0.10 = 24135=00

TOTAL = 5,03,340=00

P.T.O

B.F - 5,03,340.00

कार्यपालक अभियंता, ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दरभंगा के पत्रांक 798 अनु०
दि० 05.04.2021 के द्वारा समर्पित जाँच
प्रतिवेदन के आलोक पर —

Post facto T/A for ₹ 5,03,340.00

(Rupees five lacs, three thousand,
three hundred & fourty) 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/I

BY TRACTOR [without C.P] For Departmental Work

(1) Surface lead = 7 K.M } 8 K.M
Katchha lead = 1 K.M]
Factor [3.6/2.25] = 1.60
i.e. Carriage Cost (with OH) = [(1.60 x 7 K.M x 17.25) + (1.60 x 1 K.M x 26.95) + 182.39]
= Rs. 418.71
say 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 + SF]

(2) Surface lead = 6 K.M / Katchha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) :- [(1.60 x 6 K.M x 17.25) + (1.6 x 1 K.M x 26.95) + 182.39]
= Rs 391.11
Total Cost of Bricks bats P/M³ = Rs 1126.78
+ Rs 391.11
+ Rs 322.27
Total Rs 1840.16 P/M³ [without GST + LC + SF]

(3) Surface lead = 5 K.M / Katchha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) :- [(1.60 x 5 K.M x 17.25) + (1.6 x 1 K.M x 26.95) + 182.39]
= Rs 363.51
Total Cost of Brick bats P/M³ = 1126.78
+ 363.51
+ 322.27
Total Rs 1812.56 P/M³ [without GST + LC + SF]

(4) Surface lead 4 K.M / Katchha = 1 K.M / Factor = 1.60
Carriage Cost (with OH) :- [(1.60 x 4 K.M x 17.25) + (1.6 x 1 K.M x 26.95) + 182.39]
= Rs 335.91
Total Cost of Bricks bats P/M³ = 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 x 3 K.M x 17.25) + 43.12 + 182.39]
= Rs 308.31
Total Cost of Brick bats P/M³ = 1126.78 + 308.31 + 322.27 = Rs 1757.36 [without GST + LC + SF]

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

(A) Labour for laying brick bats / Khama Khoa including light watering etc.

Unit = Per M3

Taking output = 2.832 M3

Unskilled Mazdoor = 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 etc.

Haulage of Materials by Tractor

Unit = t.K.M

Taking output 3.60 tonnes load over 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

a) Time taken for onward (Haulage with load) 0.667 @ 549.10/hour = Rs 366.25

b) Time taken for empty return 0.400 @ 549.10/hour = Rs 219.64

(b) Over head (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 tonne 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

Rs 54.92

Rs 970.27

(b) OH @ 6%

Cost for 36 t.KM =

Rate Per t.K.M = Rs 26.95

(C) Loading and unloading brick bats/Khama Khoa/Local 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 for 1 load = 6 Minutes

(a) Labour

Mate 0.03 @ 305-00/day = Rs 9.15

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

(b) Machinery

Tractor 3.6 t Capacity 0.2 @ 549.10/hour = Rs 54.91

front end loader tractor mounted capacity 0.083 @ 1403.00/h = Rs 112.45

excavator

(iii) over head (OH) 6% Rs 28.23

Cost Per 2.25 M3 Rs 410.38

Rate Per M3 Rs 182.39

(D) Supply of Brick bats (with OH)

Bricks Rate of Brick bat Rs 63.00 / Rs 126.78

Add 6% OH Rs 63.78

Scanned with CamScanner

Bamboo piling items.

(1) 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 output = 200M
Unit = Per/Metre.

(i) Labours

(a) Unskilled Mazdoor	= 5 Nos.	@ Rs. 287.00	Rs 1435.00
(b) Semi Skilled Mazdoor	= 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) 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 No.	@ 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 ✓

(2) Labour for fitting & fixing 62mm to 75mm dia Bamboo runners — 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 all Complete job.

Taking output = 30.50M
Unit = Per M

(i) Labours:-

(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
P/Metre → Rs 5.04 ✓

1					
A.	Supplying of Sand Bag (with OH)				
	Basic Rate of Sand Bag (including cbt+sand)	Per Bag		8.86	8.86
	Add overhead Charges		6%		0.53
	Total				9.39
	1 No Cement Bag filled with 40 kg./1.2 Cuft Sand				
	Conversion factor :1m3=35.3146667ft3				
	1) Cubic Meter= Cubic Foot/35.3146667				
	2) Cubic Meter= 1.2/35.3146667				
	3)Cubic Meter=0.034				
	Hence 1 No. Sand Bag Filled with 0.034				
	Tractor	KM	2		
	Surface Lead	KM	1		
	Katcha Lead	Cum	1.6		
	Factor(3.6/2.25)				
B.	Carriage (with OH)				
	(1.6*2*17.25)+(1.6*1*26.95)+182.39				280.71
	Cost of Carriage of Sand in Filling of Sad Bag				
			280.71	0.034	9.52
C.	Cost of Labour for Filling Sand Bag,stitching and Placing (with OH)				
	Total (A+B+C)=9.39+9.52+6.20				25.11
	Total Cost per Bag (without Gst+Lc+Sf				25.11

Jyantipur Gachhi tola To yadav Tola.

कार्य से पहले

J.E

A.E

E.E

3.3

3.4

3.5

कार्य स्थल