

Government of Bihar

Under FDR HEAD

Rural Works Department ----- Rural Works Division Belsand

Rural Works Department ----- Rural Works sub Division Supp

Name of Work----- Detail Estimate For Restoration of Suppi To Bokata Road

Estimated Cost----- Rs 549629.00
745051.00

प्रतिवेदन

पथ का नाम:- सुप्पी से बोकडा पथ

संलग्न प्राक्कलन 2019 के जुलाई माह में सुप्पी प्रखंड
में आई भीषण

बाढ़ से क्षतिग्रस्त सुप्पी से बोकडा

पथ में बाढ़ से क्षतिग्रस्त मरम्मति मद से यातायात चालू करने हेतु तैयार किया गया है,

जिसकी प्राक्कलित राशि Rs. ~~50403~~ ⁵⁴⁹⁶²⁹ (~~7,45,051~~ ⁵⁴⁹⁶²⁹) है।

पथ के क्षतिग्रस्त भाग में आवश्यकता अनुसार Brick Bats, Rabbish भरकर यातायात चालू करने का प्रावधान किया गया है।

प्राक्कलन वर्तमान अनुसूचित दर पर बनाया गया है।

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कनीय अभियंता
ग्रामीण कार्य विभाग, बेलसंड

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सहायक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

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30.10.19

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

Detail Estimate For Restoration of Suppi To Bokata Road

Total Length 1.988 KM

Sl.no	Name Of work	NO	Length in M	Breadth in M	Depth in M	Quantity	Unit	Rate	Amount in RS
1	Providing bricks bats including spreading layinghand packing and compacting with C.I hammer in layers not exceeding 75 mm thick including cost of light barrier,danger signals,chowkidar tax royalty etc all complite job as per specification and direction of E/I including carriage cost of bricks and local sand (Rabbish) CH-2070 m to CH-2270 m	1 x	4.00 x	1.00 x	0.60 =	2.40	M3		
		1 x	3.00 x	4.00 x	1.90 =	22.80	M3		
		1 x	8.00 x	2.00 x	1.00 =	16.00	M3		
		1 x	6.00 x	0.50 x	0.30 =	0.90	M3		
		1 x	21.00 x	5.00 x	1.55 =	162.75	M3		
		1 x	7.00 x	1.50 x	0.80 =	8.40	M3		
		1 x	9.00 x	1.50 x	1.95 =	26.33	M3		
		1 x	14.00 x	1.50 x	1.50 =	31.50	M3		
		1 x	14.00 x	1.25 x	1.75 =	30.63	M3		
		1 x	25.00 x	1.15 x	2.15 =	61.81	M3		
		1 x	15.00 x	1.00 x	1.20 =	18.00	M3		
					TOTAL	=	381.51	M3	
	Bricks Bats Quantity			72% x	381.51 =	274.69	M3	1724.26	473635.26

2 Providing Rabbishs including spreading
layinghand packing and compacting with C.I
hammer in layers not exceeding 75 mm
thick including cost of light barrier,danger
signals,chowkidar tax royalty etc all
complite job as per specification and
direction of E/I including carriage cost of
bricks and local sand (Rabbish)
28% Of items no 1

28% x 381.51 = 106.82
TOTAL 381.51 M3

711.42
Rs
Say Rs

75993-88
27415.62
745050.88 549629-14
745051-00 549629-20

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RWD Belsand

Technically approved of Road length KM

KM for Rs. 549629-20

five
Seven Lacs forty five thousand
Six hundred twenty nine
fifty one

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, सीतामढ़ी

Lead Chart

Sl no	Items	Lead in Km
1	Brick Bats(from kiln site to work site)	8.0
2	Local Sand (Rabbish) (from kiln site to work site)	8.0

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RWD Parsauni

Analysis of Rates(FORMAT F8)

Sl No	SDB. SI. No	MORD Ref No	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	OLD SOR 8.1.3.2.(iii)		Providing bricks bats including spreading laying				
			hand packing and compacting with C.I hammer				
			in layers not exceeding 75 mm thick including				
			cost of light barrier,danger signals,chowkidar,				
			taxes roylity etc all complite job as per				
			specificatioand direction of E/I including carriage				
			of bricks				
			Unit =cum				
			Assuming =300 cum				
		(a)	Cost of bricks	cum	360.00	1006.00	362160.00
		(b)	Loabours				
			skilled	nos	2.00	340.00	680.00
			unskilled	nos	8.00	268.00	2144.00
			Mate	nos	0.40	284.00	113.60
		(c)	Over head @6% on (a+b)				21905.86
		(d)	C.Profit @ 10% on (a+b)				0.00
			cost for 300 cum = a+b				387003.46
			Rate Per cum =(a+b)/300	cum			1290.01
			CARRIGE				
		(e)	Carrige of bricks (1cum bats=360 nos bricks)	nos	0.36017	654.91	235.88
			Rate Per cum with carriage				1525.89
			Total cost including 1% labour cess&12% GST	cum			1724.26

Analysis of Rates(FORMAT F8)

Sl No	SDB. SI. No	MORD Ref No	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	OLD SOR 8.1.3.2.(iii)		Providing Rabbish including spreading laying				
			hand packing and compacting with C.I hammer				
			in layers note xceeding 75 mm thick including				
			cost of light barrier,danger signals,chowkidar,				
			taxes roylity etc all complite job as per specification with carriage				
			Unit =cum				
			Assuming =1 cum				
		(a)	Rabbish	cum	1.2	303.85	364.62
		(b)	Labour for speading,laying and Packing				
			Mazdoor (Unskilled)	nos	0.3	268	80.40
			Mate	nos	0.01	284	2.84
			Over head @6% on (a)				26.87
			C.Profit @ 10% on (a)				0.00
		(c)	cost for 2.832 cum = a+b				474.73
			Rate Per cum =(a+b)/1	cum			474.73
		(d)	CARRIGE				
			Rabbish	cum	1.2	197.24	236.69
			Rate Per cum with carriage				711.42

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Carraige Analysis of Bricks

(A) Loading and unloading of bricks

(a) Labour

Mate 0.02 x 284.00 = 5.68

Mazdoor 0.50 x 268.00 = 134.00

(b) Machinery Truck 0.66 x 929.00 = 613.14

Total 752.82

Rate for 1000 nos bricks = $752.82 / 2 = 376.41 \times 1.06 = 398.99$

(B)

Carriage of bricks 1Km kachha and 7 km pucca

For 1km 8 / 2 x 16.45 x 1 = 65.80

For 7 km 8 / 2 x 6.79 x 7 = 190.12

loading and unloading 398.99

Rate per thousand bricks = 654.91

Carraige Analysis of Rabbish

(A) Loading and unloading of bricks

(a) Labour

Mate 0.015 x 284.00 = 4.26

Mazdoor 0.375 x 268.00 = 100.50

(b) Machinery Truck 0.416 x 929.00 = 386.46

Total 491.22

Rate for 1 m3 Rabbish = $491.22 / 5.5 = 89.31 \times 1.06 = 94.67$

(B)

Carriage of bricks 1Km kachha and 7 km pucca

For 1km 8 / 4.99 x 16.45 x 1 = 26.37

For 7 km 8 / 4.99 x 6.79 x 7 = 76.20

loading and unloading 94.67

Rate per thousand bricks = 197.24

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कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग
कार्य प्रमंडल, पुपरी

पत्रांक— ५० / पुपरी
प्रेषक:—

दिनांक— 11-01-2020

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, पुपरी।

सेवा में,

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, सीतामढ़ी

विषय:— FDR योजनाओं के प्राक्कलनों का स्थल जाँच के संबंध में।

प्रसंग:— भवदीय पत्रांक:— 1113 दिनांक:— 26.8.2019

महाशय,

उपयुक्त विषय के संबंध में कहना है कि वेलसंड प्रमंडल के FDR योजनाओं के प्राक्कलनों की जाँच स्थल पर जाकर मेरे अध्यक्षता में गठित टीम के द्वारा की गई। योजनाओं के प्राक्कलनों को स्थल के अनुरूप पाया गया। योजनाओं की सूची पत्र के साथ संलग्न कर अग्रेतर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अनु०:— यथोक्त।

विश्वासभाजन


कार्यपालक अभियंता
Executive Engineer
ग्रामीण कार्य विभाग
R.W.D. Work Div. Pupri
कार्य प्रमंडल, पुपरी।

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग
कार्य प्रमंडल बेलसंड

बाढ़ से क्षतिग्रस्त पथों का प्राक्कलन की सूची।

Sl No	Division	Block	Name of Road	Lenth (In KM)	Total Cost (In Lakh)
1	Belsand	Suppi	Suppi To Bokata Road	1.988	7.45
2	Belsand	Suppi	To 1 PWD Road To Chakdadan Haidar Road	1.00	1.85
3	Belsand	Suppi	PWD Road To Kansar South Tola Road	1.700	3.39
4	Belsand	Suppi	Masahi Dr. Karan Singh House To Masahi Dalit Tola Road	0.800	1.30
5	Belsand	Suppi	Marar To Guleriya Road	1.25	1.91
6	Belsand	Suppi	Naraha Patania To Nankar Path Road	5.19	4.06
7	Belsand	Suppi	Baraharwa To Rajpur Road	1.762	3.01
8	Belsand	Suppi	Sasaula Marpa PWD Road To Harpur Pipra Road	1.100	6.49
9	Belsand	Suppi	Bishanpur To Sasaula Road	5.209	21.02
10	Belsand	Suppi	Gharwara To Halempur Road (Part-II)	7.300	36.08
11	Belsand	Suppi	Gharwara To Halempur Road (Part-I)	7.300	10.02
12	Belsand	Suppi	Gharwara To Masahi Road	2.93	12.70
13	Belsand	Suppi	Barharwa To Pakari Road	2.393	22.04

Total 131.32

12/11/20
4B

Executive Engineer
R.W.D. Work Div Puori