

Government of Bihar

Under FDR HEAD

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

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

Name of Work ----- Detail Estimate For Restoration of Belsand Kothi to
Rupouli Road

Estimated Cost ----- Rs 115397.00

प्रतिवेदन

पथ का नाम:- बेलसंड केरी से रापौली- पथ

संलग्न प्राक्कलन 2019 के जुलाई माह में प्रखंड
में आई भीषण

बाढ़ से क्षतिग्रस्त बेलसंड केरी से रापौली-

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

जिसकी प्राक्कलित राशि Rs. 115397.00 (.....) 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।

[Signature]
30.10.19

कनीय अभियंता
ग्रामीण कार्य विभाग, बेलसंड

[Signature]
30.10.19

सहायक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

[Signature]
30.10.19

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

Detail Estimate For Restoration of Belsand Kothi to Rupouli Road

Total Length 2.10 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								
	CH-500 m	1 x	5.50 x	3.00 x	0.30 =	4.95	M3		
		1 x	1.00 x	2.00 x	0.15 =	0.30	M3		
	CH-550 m	1 x	28.00 x	3.00 x	0.80 =	67.20	M3		
	CH-1800m	1 x	3.50 x	2.50 x	0.30 =	2.63	M3		
	CH-1950m	1 x	3.50 x	1.00 x	0.75 =	2.63	M3		
		1 x	4.00 x	1.00 x	0.60 =	2.40	M3		
					TOTAL =	80.10	M3		
	Bricks Bats Quntity		72% x	80.10 =		57.67	M3	1724.26	99441.52

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

28% Of items no 1

28% x 80.10 = 22.43 M3 711.42 15955.73
TOTAL Rs 115397.25
Say Rs 115397.00

J.E
30-10-19
J.E
RWD ,Parsauni

A.E
30-10-19
A.E
RWD ,Parsauni

E.E
30-10-19
E.E
RWD Belsand

Technically approved of Road length 2.10 KM

KM for Rs 115397.00

Rs 115397.00 thousand

Shree. Invoiced. Only Seven Only)

22/11/2019

22/11/2019

Lead Chart

sl no	Items	Lead in Km
1	Brick Bats(from kiln site to work site)	8.0
2	Local Sand (Rabb(from kiln site to work s	8.0

J. E
30.10.19

J. E

RWD Parsauni

A. E
30.10.19

A.E

RWD Parsauni

E. E
30.10.19

E.E

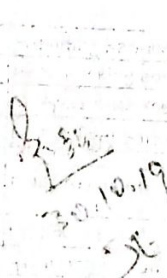
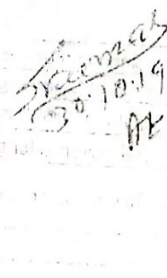
RWD Parsauni

Analysis of Rates(FORMAT F8)

Sl No	SDB. Sl. 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 royalty etc all complete job as per specification and direction of E/I including carriage of bricks				
			Unit = cum				
			Assuming = 300 cum				
		(a)	Cost of bricks	cum	360.00	1005.00	362160.00
		(b)	Labours				
			skilled	nos	2.00	340.00	680.00
			unskilled	nos	8.00	263.00	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)	Carriage 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)

Sr. No.	SDB. Sl. 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 not exceeding 75 mm thick including cost of light barrier, danger signals chowkidar, taxes royalty etc all complete job as per specification with carriage				
			Unit = cum				
			Assuming = 1 cum				
		(a)	Rabbish	cum	1.2	303.85	364.62
		(b)	Labour for spreading, laying and Packing Mazdoor (Unskilled) Mate	nos	0.3	268	80.40
			Over head @6% on (a)	nos	0.01	284	2.84
			C.Profit @ 10% on (a)				26.87
		(c)	cost for 2.832 cum = a+b				0.00
			Rate Per cum = (a+b)/1	cum			474.73
		(d)	CARRIGE				474.73
			Rabbish				
			Rate Per cum with carriage	cum	1.2	197.24	236.69
							711.42



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

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

(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

$$\text{Rate for 1 m}^3 \text{ Rabbish} = 491.22 / 5.5 = 89.31 \times 1.06 = 94.67$$

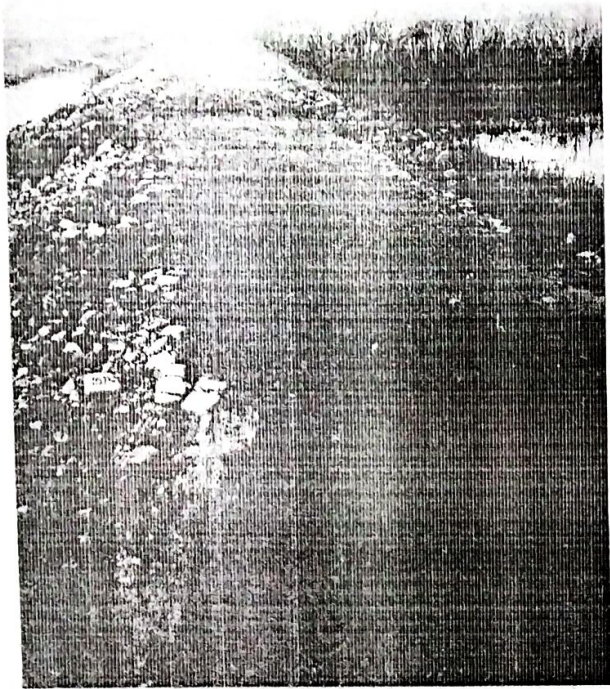
(B)

Carriage of bricks 1Km kachha and 7 km pucca

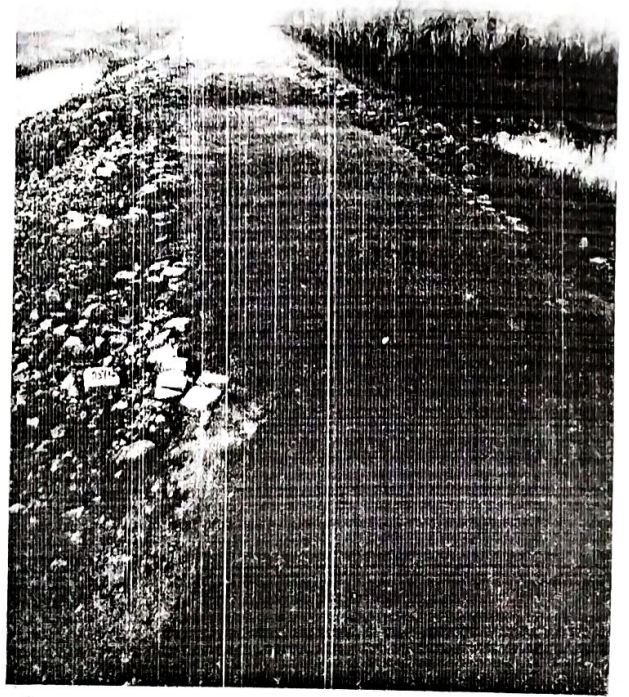
For 1km	8 /	4.99 x	16.45 x	1 =	26.37
For 7 km	8 /	4.99 x	6.79 x	7 =	76.20
loading and unloading					94.67

Rate per thousand bricks m^3 = 197.24

37/17A

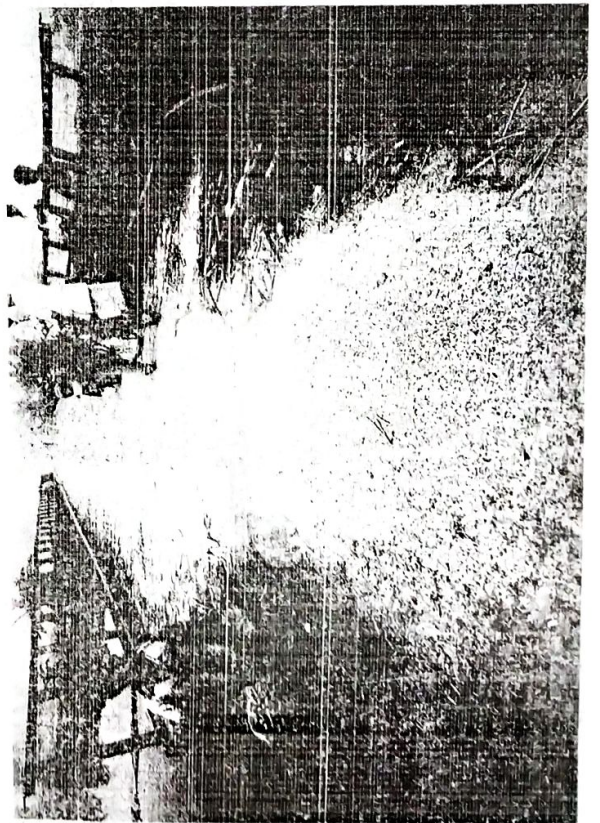
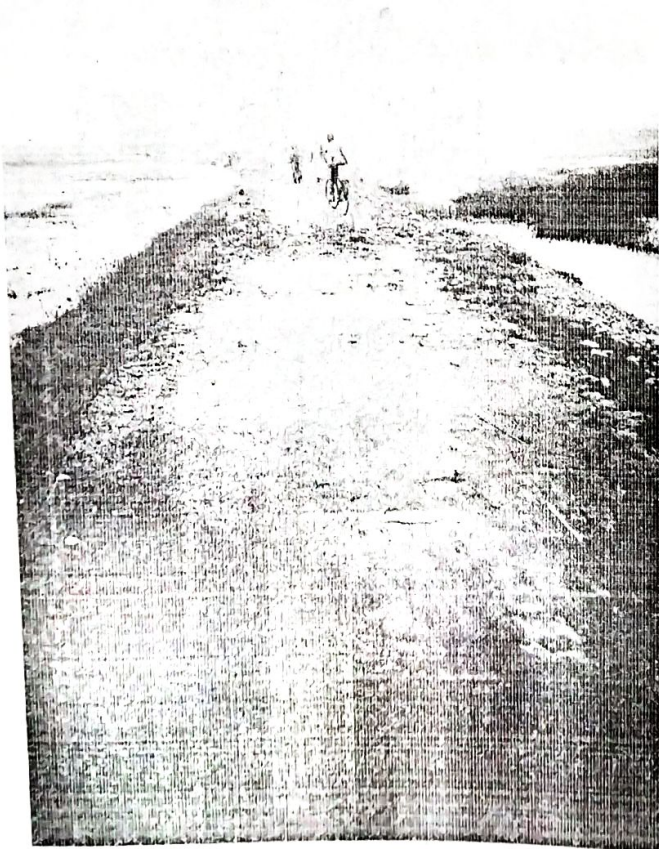


2056
30.10.19
AZ



Steel mat
30.10.19
AZ

2057
30.10.19



DIV - Beland

Name of  Scheme — Beland Khorgi to Rupauli



Spill
30.10.19
JL

Shreevals
30.10.19
AL

2005
28/10