

RURAL WORKS DEPARTMENT GOVT OF BIHAR



Name of the Road :-
BAGHARI TO THUMMA
BLOCK : RUNNISAIDPUR

FDR

Rs. 1788930.00

Year - 2019-20

NAME OF CIRCLE - R.W.D., WORKS CIRCLE, SITAMARHI

NAME OF DIVISION - R.W.D., (W) DIVISION, BELSAND

प्रतिवेदन

पथ का नाम:- Baghari to Thumma पथ
संलग्न प्राक्कलन 2020 के जुलाई माह में Runni Saidpur प्रखंड
में आई भीषण बाढ़ से क्षतिग्रस्त Baghari to Thumma
पथ में बाढ़ से क्षतिग्रस्त मरम्माति मद से यातायात चालू करने हेतु तैयार किया गया है।

जिराकी प्राक्कलित राशि Rs. 17,88,930.00 (Seventeen lac Eighty eight thousand nine hundred thirty) है।

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

प्राक्कलन वर्गमान अनुसूचित दर पर बनाया गया है।

Sagub

18.01.2021

मुख्य अभियंता
ग्रामीण कार्यविभाग, बेलसंड

18.01.2021

सहायक अभियंता
ग्रामीण कार्यविभाग, बेलसंड

18.01.21

कार्यपालक अभियंता
ग्रामीण कार्यविभाग, बेलसंड

DETAILED ESTIMATE FOR F.D.R.

General Abstract of Cost

Location of Road : BAGHARI TO THUMMA
Length of Road : 10.5Km
District : Runnisaipur
District : SITAMARHI

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	1583124.00
2	Labour cess @1%	15831.24
3	GST @12%	189974.88
	Total Cost of Road Repair	1788930.12
	Say	1788930.00

Sequib
18/01/2021
JE


18-01-2021
AE


28/1/21
EE

Technically approved for Rs 17.889 Lacs (Rs Seventeen
lacs eighty eight thousand nine hundred) only


10/5/21

अनुमानित कार्य की गति
कार 214 को दिनांक 17-02-2021
परिष्कारित 09-05-2021 अतः
(अनुमानित)

Schedule of Quantity

ne of the Road :-

TO THUMMA

BAGHARI

Block Runnisaidpur

	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
OF ITEMS					
1	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.				
	80% of Brick bat Qty.	914.31	Cum	1546.00	1413519.61
2	Providing Quarry Material Rabbish for filling the voids in bricks bats -----do----- all complete job as per specification and direction of E/I.				
	Taking 20% of Brick Bats Qty	228.58	Cum	742.00	169604.07

Total **1583123.68**

Say **1583124.00**

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Details of Measurement of ditches filled by brick bats and rabbish

Sr. No.	DESCRIPTION	UNIT	NOS.	LENGTH	BREATH	HEIGHT	QTY.	REMARKS
	BAGHARI TO THUMMA							
	BRICK BATS & RABBISH							
	9TH KM	m ³	1	4.4	4.7	1.7	35.156	$B=(3*2+1.7*2)/2$
	8TH KM	m ³	1	4.70	2.9	0.25	3.408	
		m ³	1	26.00	3.3	0.6	51.480	
		m ³	1	5.60	0.6	0.38	1.277	
		m ³	1	6.30	0.45	0.35	0.992	
		m ³	1	13.50	1.4	0.36	6.804	
		m ³	1	12.00	1.1	0.4	5.280	
		m ³	1	3.00	1	0.33	0.990	
		m ³	1	4.60	1.2	0.4	2.208	
		m ³	1	4.00	1	0.36	1.440	
		m ³	1	4.00	1.15	0.43	1.978	
		m ³	1	8.00	1.4	0.44	4.928	
	4TH KM	m ³	9	15.00	3.6	0.79	383.940	
		m ³	1	15.00	3.65	0.7	38.325	
		m ³	11	15.00	3.7	0.85	518.925	
		m ³	1	13.00	3.68	0.7	33.488	
		m ³	1	8.00	3.65	0.5	14.600	
		m ³	1	15.00	3.7	0.4	22.200	
		m ³	1	11.00	3.7	0.38	15.466	
	Total Brick Bats	m³					1142.885	
	LOCAL SAND							
		m ³	1	4.40	4.00	0.5	8.800	$B=3+0.5*2$
	Total	m³					8.800	

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18.01.2021

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1300 Single bamboo palasiding / walling of whole 2nd class bamboo (Jati or Bethua) 75mm dia and closely packed & driven including fitting fixing with half bamboo kamis horizontally in three rows with cane or tying with wire complete and struts 1.5 m apart longitudinally and providing brush wood as per drawing and technical specifications Clause 1302.5

A) Driven at least 600 mm below ground and 1200 mm above ground

Unit = Running metre

Taking Output = 3.00 metre

a) Materials

Materials

1st Class Bamboo 65 mm to 75 mm dia, (1.2 m to 3.0 m) nos. 9.00 15.00 135.00

2nd Class Bamboo 65 mm to 75 mm dia, (1.2 m to 3.0 m) nos. 1.50 20.00 30.00

Binding Wire kg 0.15 62.27 9.34

Brush Wood (LS Rs.10. LS 10.00

b)

Labour

Mate day 0.04 305.00 12.20

Mazdoor (Unskilled) day 1.00 287.00 287.00

c)

Sundries (LS Rs.5.00) LS 5.00

d)

Overhead charges 6% on (a+b+c) 29.31

e)

Contractor's profit @ 10% on (a+b+c+d) 0.00

Cost for 3 metre = a+b+c+d+e

517.85

Rate per metre = (a+b+c+d+e) / 3.00

172.62

Add Cess 1%

0.00

Finished Rate / m

172.62

Providing ,laying and spreading brick bat in ditches -----do-----do----- all complete job as per specification and direction of E/I.

Assuming =300 sqm

a)

Material

Brick bat cum 360.00 1021.23 367642.80

b)

Labour for placing and spreading

Mazdoor (skilled) nos. 2.00 364.00 728.00

Mazdoor (Unskilled) nos. 8.00 287.00 2296.00

mate nos. 0.40 305.00 122.00

c)

Overhead charges 6% on (a+b) 22,247.33

d)

Contractor's profit @ 10% on (a+b+c) 0.00

Total

393,036.13

Rate per cum =

1,310.12

e) Conversion of Bricks Bat into Brick

Carriage

$1.2/2.832 \times 850/1000 = 0.360$

Brick bat cum 0.3602 654.91 235.88

Total

1546.00

Add Cess 1%

15.46

Add GST 12%

185.52

Finished Rate Per cum

1,746.98

Providing ,laying and placing empty cement bag filled with local sand including stitching with sutali etc. -----do-----do----- all complete job as per specification and direction of E/I.(Including Royalty and all Taxes)

Baqub

18.01.2021

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M-159	a)	Material				
7.40.1		Cost of sand and empty cement bag	nos	1.00	7.46	7.46
	b)	Labour for carriage & placing to work site				
		Mazdoor (Unskilled)	nos.	0.05	287.00	14.35
	c)	Overhead charges 6% on (a+b)				1.31
	d)	Contractor's profit @ 10% on (a+b+c)				0.00
	Total					23.12
	Add Cess 1%					0.00
	Finished Rate					23.12

1100 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row with old available pipe

Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. (With old available pipe)

Unit = m

Taking output = 7.5 m

(3 pipes of 2.5 m length each)

(B) 1000 mm dia

a)	Labour				
	Mate	day	0.09	305.00	27.45
	Mason (1st Class)	day	0.00	388.00	0.00
	Mazdoor (Unskilled)	day	2.00	287.00	574.00
b)	Material				
	Sand at site	cum	0.04	0.00	0.00
	Cement at site	t	0.03	0.00	0.00
	RCC pipe	m	7.50	2,744.50	20,583.75
c)	Overheads @ 6% (a+b)				1,271.11
d)	Contractor's profit @ 10% (a+b+c)				0.00
	Cost for 7.5 m = a+b+c+d				22,456.31
	Rate per m = (a+b+c+d)/7.5				2,994.17
e) Carriage		m	1.00	164.52	164.52
	Total				3,158.69
	Add Cess 1%				0.00
	FINISHED RATE /M				3,158.69

Sand Filling in Foundation Trenches as per Drawing & Technical Specification.

-159 40.1	a)	Material				
		fine sand (assuming 20% void)	Cum.	1.20	106.23	127.48
	b)	Labour				
		Mate	day	0.01	305.00	3.05
		Mazdoor (Unskilled)	day	0.30	287.00	86.10
	c)	Overhead charges 6% on (a+b)				13.00
	d)	Contractor's profit @ 10% on (a+b+c)				0.00
		carriage		1.20	142.81	171.38
	Total					401.00
	Add Cess 1%					0.00
Finished Rate/cum					401.00	

Providing Quarry Material Rabbish for filling the voids in bricks bats -----do----- all complete job as per specification and direction of E/I.

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18.01.2021

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Assuming Rate per cum

a)	Material				
	Rabbish	cum	1.20	322.96	387.55
b)	Labour for placing and spreading				
	Mazdoor (Unskilled)	nos.	0.30	287.00	86.10
	mate	nos.	0.01	305.00	3.05
c)	Overhead charges 6% on (a+b)				28.60
d)	Contractor's profit @ 10% on (a+b+c)				0.00
	Total				505.30
e)	Carriage				
	Rabbish	cum	1.20	197.24	236.69
	Total				742.00

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18.01.2021
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कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग
कार्य प्रमंडल, शिवहर

सं. 214 अमरपुर
शिवहर

दिनांक- 12/02/2021

उपस्थित-

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल शिवहर।

सूचना में,

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल सीतामढ़ी।

विषय:- कार्य प्रमंडल बेलसंड के अधीन वर्ष 2020 की भयंकर बाढ़ से क्षतिग्रस्त पथों में
यातायात के पुनर्स्थापन हेतु तैयार किए गए प्रायकलन की जांच के संबंध में।

संदर्भ:- भवदीय पत्रांक-900 दिनांक-12.09.2020

सूचना में,

उपरोक्त विषय पर प्रासंगिक पत्र में दिए गए निर्देश के अनुपालन में कार्य प्रमंडल
बेलसंड के अधीन वर्ष 2020 की भयंकर बाढ़ से क्षतिग्रस्त पथों में यातायात पुनर्स्थापन हेतु
तैयार किए गए कार्य का स्थल निरीक्षण किया गया। इस पत्र के साथ सलग्न सूची के 52 पथों पर
काल जीसीएसएनस प्रायकलन तकनीकी अनुमोदन हेतु समर्पित किया जा रहा है।

अनु-पथों की सूची (कुल 52 पथ) सलग्न।

विभागाध्यक्ष



कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल शिवहर

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	Total Cost (In Lakh)
1	Belsand	Runnisaidpur	Thumma To Belahi	12.26
2	Belsand	Runnisaidpur	Athari To Runni Via Kharka	14.91
3	Belsand	Runnisaidpur	Prem Nagar To Hanuman Nagar	4.72
4	Belsand	Runnisaidpur	NH-Gadha To Ptel Nagar	10.13
5	Belsand	Runnisaidpur	Bagari To Thumma	20.41
6	Belsand	Runnisaidpur	NH-77 Gadha To Dhanushi	6.34
7	Belsand	Runnisaidpur	Thumma To Khopi	6.21
8	Belsand	Runnisaidpur	Mahisar To Dilawarpur	2.88
9	Belsand	Runnisaidpur	Thumma To Athari	36.22
10	Belsand	Runnisaidpur	Balua To Bhulwariya	3.24
11	Belsand	Runnisaidpur	Maharani Sthan To Bagmati Bandh	11.59
12	Belsand	Runnisaidpur	Husainpur To Balan Tola	0.84
13	Belsand	Runnisaidpur	Khanua Ghat To Morang	3.52
14	Belsand	Runnisaidpur	Gidha To Phulwariya	3.01
15	Belsand	Runnisaidpur	Vinod Paswan House To Dhobahiya Tola	1.23
16	Belsand	Runnisaidpur	Ratan Jha To Bahram Nagar	13.23
17	Belsand	Runnisaidpur	Runni To Raksiya Path	1.12
18	Belsand	Runnisaidpur	Janar To Ramnagar	6.99
			Total	158.85

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12-9-21