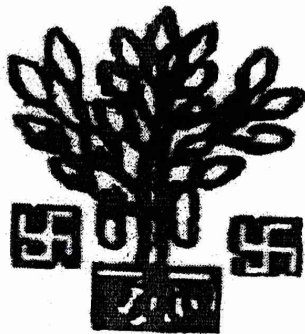


RURAL WORKS DEPARTMENT GOVT OF BIHAR



BLOCK

Name of the Road :-
THUMMA TO KHOPI
: RUNNISAIDPUR

FDR

Rs. 540960.00

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:- Thumma to Khopi पथ

संलग्न प्रावचन 2020 के जुलाई माह में Runni Saidpur प्रखंड
में आई भीषण बाढ़ से क्षतिग्रस्त Thumma to Khopi
पथ में बाढ़ से क्षतिग्रस्त मरम्मत मद से यातायात चालू करने हेतु तैयार किया
गया है।

जिसे की प्रावकलित राशि Rs. 5,40,960.00 (five lac forty thousand
nine hundred sixty only) है।

पथ के क्षतिग्रस्त भाग में आवश्यकता अनुसार Prick Bats, Rabbish भरकर यातायात चालू
कामों का समाधान किया गया है।

प्रावचन कार्यग्रान अनुसूचित दर पर बनाया गया है।

Sequib
18.01.2021

सहायक अभियंता
ग्रामीण कार्यविभाग, बेलसंड

[Signature]
18.01.2021

सहायक अभियंता
ग्रामीण कार्यविभाग, बेलसंड

[Signature]
28/1/21

कार्यपालक अभियंता
ग्रामीण कार्यविभाग, बेलसंड

DETAILED ESTIMATE FOR F.D.R.

General Abstract of Cost

Name of Road : THUMMA TO KHOPI

Length of Road : 3.0 Km

Block : Runnalsaidpur

DISTRICT : SITAMARHI

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	478726.00
2	Labour cess @1%	4787.26
3	GST @12%	57447.12
	Total Cost of Road Repair	540960.38
	Say	540960.00

Sagub

18.01.2021

JE

18.01.2021

AE

28/1/21

EE

Technically approved for Rs 5.409 lac (Rs Five lac forty thousand nine hundred) only

18/5/21

अनुमोदित और और
यह अनुमति 17.02.2021
पर 09.05.2021
अनुमोदित

Schedule of Quantity

TO KHOPI

Block Runnisaipur

S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
OF ITEMS					
1	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	401.00	0.00
2	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.	276.48	Cum	1546.00	427439.01
3	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	0.00	m	172.62	0.00
4	Providing ,laying and placing empty cement bag filled with local sand including stiching with sutali etc. ----- do ----- do-----all complete job as per specification and direction of E/I.(Including Royalty and all Taxes)	0.00	no.	23.12	0.00
5	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row with old available pipe	0.00	m	3158.69	0.00
6	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	69.12	Cum	742.00	51287.15

Total **478726.16**

Say **478726.00**

Sagib
18.01.2021

JE

[Signature]
18.01.21

AE

[Signature]
28/1/21

EE

Details of Measurement of ditches filled by brick bats and rabbish

Sr. No.	DESCRIPTION	UNIT	NOS.	NOS.	LENGTH	BREATH	HEIGHT	QTY.	REMARKS
	THUMMA TO KHOPI								
	1st Km	m ³	1	1	7	3.7	0.35	9.065	
		m ³	1	1	15.00	6.65	1.85	184.538	$B=(4.8*2+1.85*2)/2$
		m ³	1	1	5.30	6.05	1.65	52.907	$B=(4.4*2+1.65*2)/2$
	2nd Km	m ³	1	1	4.70	3.5	0.6	9.870	
		m ³	1	1	7.70	5.60	1.3	56.056	$B=(4.3*2+1.3*2)/2$
		m ³	1	1	6.70	5.5	0.9	33.165	$B=(4.6*2+0.9*2)/2$
	Total	m ³						345.601	

Sagub

18.01.2021

S.E

[Signature]
18.01.2021
DE

- 1 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*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 sutall etc. — do — do — all complete job as per specification and direction of E/I. (Including Royalty and all Taxes)

Sagub
18.01.2024
D.E

D M-159

D 5.7.40.1

a)	Material				
	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

4 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.

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.

Sagib
18.01.2021
S'E

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
----------------------	------	------	--------	-------

c)

mate	nos.	0.01	305.00	3.05
------	------	------	--------	------

d)

Overhead charges 6% on (a+b) 28.60

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

e) Carriage

Total 505.30

Rabbish	cum	1.20	197.24	236.69
---------	-----	------	--------	--------

Total 742.00

Sagib

18.01.2021

J.E

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 प्रायश्चित्त 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 कार्यों का स्थल निरीक्षण किया गया। इस पत्र के साथ सलग्न सूची के 52 पथों पर
आवृत्ति जांचोपरान्त प्रायश्चित्त 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	Premi 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	Bahua 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	Katan 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

[Signature]
12-9-21