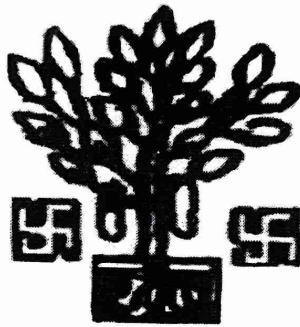


**RURAL WORKS DEPARTMENT
GOVT OF BIHAR**



Name of the Road :- Athari to Runni via Kharka

BLOCK : RUNNISAIDPUR

FDR

Rs. 1354766.00

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:- Athari to Runni via Kharaka पथ

संतमन प्रावकलन 2020 के जुलाई माह में Runni Saidpur प्रखंड
में आई भीषण बाढ़ से क्षतिग्रस्त Athari to Runni via Kharaka
पथ में बाढ़ से क्षतिग्रस्त मरम्माति मद से यातायात चालू करने हेतु तैयार किया गया है।

जिसकी प्रावकलित राशि Rs 13,54,766.00 (Thirteen lac fifty four thousand seven hundred sixty six) है।

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

प्रावकलन निर्धारण अनुसूचित दर पर बनाया गया है।

Saqub
18.01.2021

सहायक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

[Signature]
18.01.2021

सहायक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

[Signature]
28/1/21

कार्यपालक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

DETAILED ESTIMATE FOR F.D.R.

General Abstract of Cost

Name of Road : ATHARI TO RUNNI VIA KHARKA
 Length of Road : 3.69 Km
 Block : Runnisaidpur
 DISTRICT : SITAMARHI

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	1198908.00
2	Labour cess @1%	11989.08
3	GST @12%	143868.96
	Total Cost of Road Repair	1354766.04
	Say	1354766.00

Sagunb
 18.01.2021
 JE

[Signature]
 18.01.2021
 AE

[Signature]
 28/1/21
 EE

Technically approved for B 13.547 Lacs (B Thirteen
 Lacs fifty four thousand Seven hundred) only

[Signature]
 10/5/21

अनुमोदित अथवा ग्राहक
 अथवा 214 अथवा 17.02.2021
 अथवा 09.05.2021 अथवा
 सुन्दर

Schedule of Quantity

Name of the Road :- Athari to Runni via Kharka

Block Runnisaidpur

S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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.	692.41	Cum	1546.00	1070466.17
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	173.10	Cum	742.00	128442.09

Total **1198908.26**
Say **1198908.00**

Saqib
18.01.2021
JE


18.01.2021
AE


18/1/21
EE

Details of Measurement of ditches filled by brick bats and rabbish

Sr. No.	DESCRIPTION	UNIT	NOS.	LENGTH	BREATH	HEIGHT	QTY.	REMARKS
	Athari to Runni via Kharka							
	1st Km	m ³	1	12	2.1	0.3	7.560	
		m ³	1	8.00	2.5	0.41	8.200	
		m ³	1	5.00	1.5	0.35	2.625	
		m ³	2	30.00	5.08	1.48	451.104	$B=(3.6*2+1.48*2)/2$
		m ³	1	22.00	5.23	1.575	181.046	$B=(3.65*2+1.575*2)/2$
		m ³	1	10.50	5.3	1.6	89.040	$B=(3.7*2+1.6*2)/2$
		m ³	1	13.00	3.7	0.6	28.860	
		m ³	1	13.00	5.15	1.45	97.078	$B=(3.7*2+1.45*2)/2$
	Total	m³					865.513	

Jagub
18.01.2021
J.E

[Signature]
18.01.2021
DE

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	
Sundries (LS Rs.5.00)	LS				5.00

c)

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

29.31

d)

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

Sagib
18.01.2021
J.E

	a)	Material			
D M-159		Cost of sand and empty cement bag	nos	1.00	7.46
5.7.40.1	b)	Labour for carriage & placing to work site			7.46
		Mazdoor (Unskilled)	nos.	0.05	287.00
	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			
159		fine sand (assuming 20% void)	Cum.	1.20	106.23
40.1	b)	Labour			
		Mate	day	0.01	305.00
		Mazdoor (Unskilled)	day	0.30	287.00
	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
		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.

Saqib
18.01.2021
DAB

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

Sagub
18.01.2021
D.R

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग
कार्य प्रमंडल, शिवहर

क्रमांक- 214 अक्टूबर
शिवहर

दिनांक- 17/02/2021

उपयुक्त-

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल शिवहर।

सूचना में,

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल सीतामढ़ी।

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

संदर्भ:- भवदीय पत्रांक-900 दिनांक-12.09.2020

संदर्भ:-

उपरोक्त विषय पर प्राथमिक पत्र में दिए गए निर्देश के अनुपालन में कार्य प्रमंडल
बलसंड के अधीन वर्ष 2020 की भयकर बाढ़ से क्षतिग्रस्त पथों में यातायात पुनर्स्थापन हेतु
तैयार किए गए कार्यों का स्थल निरीक्षण किया गया। इस पत्र के साथ सलग्न सूची के पथों पर
क्षतिग्रस्त जांचोपरान्त प्राथमिकता 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	Athuri 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 Banram Negar	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