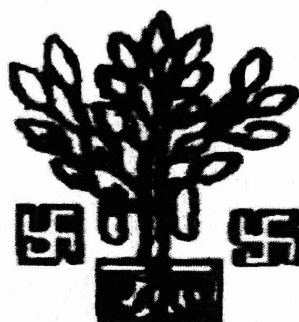


RURAL WORKS DEPARTMENT GOVT OF BIHAR



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

FDR

Rs. 3192893.00

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 Athari पथ

संलग्न प्राक्कलन 2020 के जुलाई माह में Runnisaidpur प्रखंड
में आई भीषण बाढ़ से क्षतिग्रस्त Thumma to Athari
पथ में बाढ़ से क्षतिग्रस्त मरम्माति मद से यातायात चालू करने हेतु तैयार किया
गया है,

जिसकी प्राक्कलित राशि Rs. 31,92,893.00 (Thirty one lac ninty
two thousand eight hundred ninty three है।

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

प्राक्कलन वर्गमान अनुसूचित दर पर बनाया गया है।

Sagub
18.01.2021

कर्मचारी अभियंता
ग्रामीण कार्य विभाग, बेलसंड


18-01-2021

सहायक अभियंता
ग्रामीण कार्य विभाग, बेलसंड


18/1/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

DETAILED ESTIMATE FOR F.D.R.

General Abstract of Cost

Name of Road : THUMMA TO ATHARI

Length of Road : 3.5Km

Block : Runnisaidpur

DISTRICT : SITAMARHI

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	2825569.00
2	Labour cess @1%	28255.69
3	GST @12%	339068.28
	Total Cost of Road Repair	3192892.97
	Say	3192893.00

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18.01.2021
AE


28/1/21
EE

Technically approval for B 31.928 lac (B thirty one
lac ninety two thousand eight hundred) only


10/5/21

अनुमोदित और सिवा
युद्धन उपाय 214 अंगुलित
17.02.2021 17/2/2021 09.05.2021
अनुमोदित

Schedule of Quantity

Name of the Road :-

TO ATHARI

THUMMA

Block Runnisaidpur

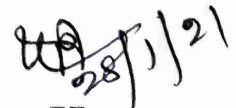
S.No	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
OF ITEMS					
1	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	401.00	0.00
2	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.				
	80% of Brick bat Qty.	1631.86	Cum	1546.00	2522858.65
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	407.97	Cum	742.00	302710.40

Total **2825569.05**

Say **2825569.00**

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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
	THUMMA TO ATHARI							
	4Th km							
		m ³	1	7	4.50	1.1	34.650	
		m ³	1	7.00	3.70	0.45	11.655	
		m ³	1	10.30	3.80	0.6	23.484	
		m ³	1	12.00	2.60	0.5	15.600	
		m ³	1	30.00	3.50	0.8	84.000	
	3rd Km	m ³	1	8.70	4.75	1.05	43.391	$B=(3.7*2+1.05*2)/2$
		m ³	1	15.40	3.70	0.42	23.932	
		m ³	1	9.00	3.65	0.9	29.565	
		m ³	1	4.40	2.70	0.35	4.158	
		m ³	1	7.00	4.00	0.75	21.000	
		m ³	1	28.30	4.55	0.85	109.450	$B=(3.7*2+0.85*2)/2$
	2nd Km	m ³	1	13.00	3.70	0.64	30.784	
		m ³	1	20.00	3.60	0.81	58.320	
		m ³	1	25.20	6.25	0.75	118.125	$B=(5.5*2+0.75*2)/2$
		m ³	1	26.00	3.80	1.02	100.776	
		m ³	1	7.00	5.20	0.5	18.200	
		m ³	1	6.50	4.60	1.1	32.890	$B=(3.5*2+1.1*2)/2$
		m ³	1	2.00	3.70	0.35	2.590	
		m ³	1	16.60	4.20	0.75	52.290	
		m ³	1	11.10	4.75	1.05	55.361	$B=(3.7*2+1.05*2)/2$
		m ³	1	5.00	3.80	0.45	8.550	
		m ³	1	22.90	3.85	0.55	48.491	
		m ³	1	13.10	3.60	0.45	21.222	
		m ³	1	30.00	4.65	0.75	104.625	$B=(3.9*2+0.75*2)/2$
		m ³	1	18.20	4.35	0.55	43.544	$B=(3.8*2+0.55*2)/2$
		m ³	1	10.00	3.00	0.53	15.900	
		m ³	1	12.00	3.70	1.08	47.952	
		m ³	4	30.00	3.30	0.512	202.752	$D=(0.6+0.3+0.45+0.56+0.65)/5$
		m ³	1	20.00	3.40	0.53	36.040	
		m ³	1	12.00	3.20	0.42	16.128	
		m ³	1	5.50	3.60	0.62	12.276	
		m ³	1	16.50	5.00	1.2	99.000	$B=(3.8*2+1.2*2)/2$
		m ³	1	11.00	4.20	0.45	20.790	
	1st Km	m ³	1	2.00	4.10	0.45	3.690	
		m ³	1	14.00	6.80	2.3	218.960	$B=(4.5*2+2.3*2)/2$
		m ³	1	4.60	7.10	2.2	71.852	$B=(4.9*2+2.2*2)/2$
		m ³	1	7.00	1.96	0.45	6.174	
		m ³	1	17.30	3.80	0.56	36.814	
		m ³	1	9.50	3.80	0.8	28.880	
		m ³	1	7.80	4.00	1.1	34.320	$B=(3.5*2+1.1*2)/2$
		m ³	1	13.20	3.95	0.7	36.498	
		m ³	1	27.10	3.70	0.55	55.149	
	Total	m³					2039.828	

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- 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	
Sundries (LS Rs.5.00)	LS			5.00	
Overhead charges 6% on (a+b+c)				29.31	
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	
Overhead charges 6% on (a+b)				22,247.33	
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
		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 stiching with sutall etc. -----do-----do----- all complete job as per specification and direction of E/I. (Including Royalty and all Taxes)

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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.

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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
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 प्राथमिकता की जाँच 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
आवृत्ति जाँचोपरान्त 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	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	Balsua 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	Janat To Ramnagar	6.99
			Total	158.85

[Signature]
12-2-21