

RURAL WORKS DEPARTMENT
GOVT OF BIHAR



Name of the Road :-
MAHISAR TO DILAWARPUR
BLOCK : RUNNISAIDPUR
FDR

Rs. 261220.00

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:- mahisar to Dilawarpur पथ

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

जिराकी प्राक्कलित राशि Rs. 2,61,220.00 (two lac sixty one thousand two hundred twenty) है।

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

प्रारम्भिक वर्गमान अनुसूचित दर पर बनाया गया है।

Sagib
18.01.2021

सहायक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

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सहायक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

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28/1/21

कार्यपालक अभियंता
ग्रामीणकार्यविभाग, बेलसंड

DETAILED ESTIMATE FOR F.D.R.

General Abstract of Cost

Name of Road : MAHISAR TO DILAWARPUR
 Length of Road : 3.2 Km
 Block : Runnisaidpur
 DISTRICT : SITAMARHI

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	231168.00
2	Labour cess @1%	2311.68
3	GST @12%	27740.16
	Total Cost of Road Repair	261219.84
	Say	261220.00

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Technically approved for Rs 2.612 lac (Rs. two lac Sixty one thousand two hundred) only

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 10/5/21

अनुमोदित अर्थी १७/०२/२०२१
 अर्थी १७/०२/२०२१
 ३५५५५५
 ०९.०५.२०२१ अर्थी

Schedule of Quantity


TO DILAWARPUR

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.	133.51	Cum	1546.00	206402.44
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	33.38	Cum	742.00	24765.62

Total **231168.06**
Say **231168.00**

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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
	MAHISAR TO DILAWARPUR							
	3rd Km	m ³	1	9.5	2.8	1.7	45.220	
		m ³	1	12.00	3.25	1.9	74.100	
		m ³	1	6.00	1.84	1.08	11.923	
		m ³	1	6.25	1.95	1.1	13.406	
		m ³	1	3.50	1.80	0.85	5.355	
		m ³	1	4.75	1.96	0.9	8.379	
		m ³	2	3.20	1.65	0.805	8.501	D=(0.78+0.83)/2
	Total	m ³					166.884	

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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
					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)

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a)	Material			
b)	Cost of sand and empty cement bag	nos	1.00	7.46
	Labour for carriage & placing to work site			7.46
c)	Mazdoor (Unskilled)	nos.	0.05	287.00
d)	Overhead charges 6% on (a+b)			1.31
	Contractor's profit @ 10% on (a+b+c)			0.00
	Total			0.00
	Add Cess 1%			23.12
	Finished Rate			0.00
				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
	Mason (1st Class)	day	0.00	388.00
	Mazdoor (Unskilled)	day	2.00	287.00
				574.00
	Material			
	Sand at site	cum	0.04	0.00
	Cement at site	t	0.03	0.00
	RCC pipe	m	7.50	2,744.50
	Overheads @ 6% (a+b)			20,583.75
	Contractor's profit @ 10% (a+b+c)			1,271.11
				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			
b)	fine sand (assuming 20% void)	Cum.	1.20	106.23
	Labour			
	Mate	day	0.01	305.00
	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				
b)	Rabbish	cum	1.20	322.96	387.55
	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

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कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग
कार्य प्रमंडल, शिवहर

क्रमांक- 214 अक्टूबर / शिवहर

दिनांक- 17/02/2021

उपस्थित-

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 भयंकर 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 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 पथों पर स्थल 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

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12-9-21