

RURAL WORKS DEPARTMENT GOVT OF BIHAR



Name of the Road :- MARPA POST OFFICE TO MUSHARI
HARIZAN TOLA
BLOCK BAIRGANIA

FDR

Rs. ~~75602.00~~
89803.00

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:- marpa post office to mushari harizan tele पथ

संलग्न प्राक्कलन 2020 के जुलाई माह में marpa post office to mushari harizan प्रखंड
में आई भीषण बाढ़ से क्षतिग्रस्त tele पथ में बाढ़ से क्षतिग्रस्त मरम्माति मद से यातायात चालू करने हेतु तैयार किया
गया है.

जिसकी प्राक्कलित राशि Rs. 0.698 lac (Seventy five thousand
Six hundred two only) है।

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

प्राक्कलन वर्तमान अनुसूचित दर पर बनाया गया है।

Saqib

18.01.2021

सहायक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

18.01.2021

सहायक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

18.01.21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, बेलसंड

General Abstract of Cost

S.No.	Particulars	Total Cost (in Thousands)
1	Total Cost for Motorable Roads	66904.00
2	Labour cess @1%	669.04
3	GST @12%	8028.48
	Total Cost of Road Repair	75601.52
	Say	75602.00

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Technically approved for B ^{0.898} ~~0.756~~ lac (B ^{Eighty nine} ~~seventy five~~ thousand ^{Eight} ~~six~~ hundred) only

Sluts 10/5/21
S.E.
RWD Sitarman

214 मंगोलिया 17.02.2021
 215 मंगोलिया 09.05.2021
 216 मंगोलिया 17.02.2021

Schedule of Quantity

Name of the Road :- MARPA POST OFFICE TO MUSHARI
HARIZAN TOLA

Block BAIRGANIA

S.No	OF ITEMS	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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.		36.96			57140.00
	80% of Brick bat Qty. $80\% \times 46.20 m^3$		33.25	Cum	1546.00	51426.14
3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row with old available pipe		4.90	m	3158.69	15477.58
4	Providing Quarry Material Rabbish for filling the voids in bricks bats -----do----- all complete job as per specification and direction of E/I.		9.24			6856.00
	Taking 20% of Brick Bats Qty $20\% \times 46.20 m^3$		12.94	Cum	742.00	9598.51

Total.

66903.73

Say

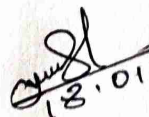
66904.00

79473.00
79473.00

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Details of Measurement of ditches filled by brick bats and rabbish

Name of the Road :- MARPA POST OFFICE TO MUSHARI HARIZAN TOLA								
Sr. No.	DESCRIPTION	UNIT	NOS.	LENGTH	BREATH	HEIGHT	QTY.	REMARKS
	Marpa post office to mushari harizan tola							
	2nd Km	m ³	1	18.00	3.4	0.5	30.600	D=(0.45+0.55)/2
		m ³	4	2.00	1.5	1.3	15.600	D=(1.4+1.2)/2
	TOTAL	m ³					46.200	

Details of Measurement of 1000mm NP3 Hume Pipe

Sr. No.	DESCRIPTION	UNIT	NOS.	LENGTH	BREATH	HEIGHT	QTY.
	Marpa post office to mushari harizan tola						
	2nd Km	m	1	4.90			4.900
	TOTAL	m					4.900

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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		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		Material			
	Brick bat	cum	360.00	1021.23	367642.80
b) Labour for placing and spreading		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
		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 sutail 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
b)	Labour for carriage & placing to work site			
	Mazdoor (Unskilled)	nos.	0.05	287.00
c)	Overhead charges 6% on (a+b)			14.35
d)	Contractor's profit @ 10% on (a+b+c)			1.31
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
b)	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
c)	Overheads @ 6% (a+b)			20,583.75
d)	Contractor's profit @ 10% (a+b+c)			1,271.11
Cost for 7.5 m = a+b+c+d				0.00
Rate per m = (a+b+c+d)/7.5				22,456.31
e) Carriage		m	1.00	164.52
Total				164.52
Add Cess 1%				3,158.69
FINISHED RATE /M				0.00
				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
b)	Labour			
	Mate	day	0.01	305.00
	Mazdoor (Unskilled)	day	0.30	287.00
c)	Overhead charges 6% on (a+b)			86.10
d)	Contractor's profit @ 10% on (a+b+c)			13.00
carriage				0.00
Total		1.20	142.81	171.38
Add Cess 1%				401.00
Finished Rate/cum				0.00
				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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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 प्राक्कलन 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 प्राक्कलन 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)
Sl No	Division	Block	Name of Road	Total Cost (In Lakh)
1	Belsand	Barganiya	Bairganiya To Jamua	10.075
2	Belsand	Barganiya	T02 To Piprahi Sultan	7.519
3	Belsand	Barganiya	Marpa Post Office To Mushari Harijan Tola	0.855
			Total	18.449


19-2-20