

(7)

Inspection Report For Flood Damage Works

Date :-

1. Name of PIUs – Executive Engineer, R.W.D. (W.D.) Motihari
2. Name of Block - Ghorasahan
3. Name of Road – Bagahi Bhelwa Ghughua - Bankatwa

(A) For Road

1. Damage Location/ Chainage :-
2. Damage Length :- ~~595 M~~ 515 M Am
AE, Bankatwa
3. Nature of Damage :- Flood & Heavy Rain
4. Details of Restoration Works.
 - (i) Material being used in Restoration Works :- Bricks Bats
 - (ii) Equipments/Tools being used in Restoration Works :-
 - (iii) Procedure taken up in Restoration Works :-
 - (iv) Restored Length :- ~~595 M~~ 515 M Am
AE, Bankatwa

honda
25/2/22
It

Am
25/2/22
AE
Motihari

Am
25/2/22
Signature of Inspecting Officer
(Executive Engineer)
R.W.D., (W.D.) Motihari



ग्रामीण कार्य विभाग

Rural Works Department ,Govt.of Bihar

PLAN HEAD-FDR

YEAR 2021-2022

DISTRICT;-EAST CHAMPARAN

BLOCK;-GHORASAHAN

Estimate for Repair of Road breaches (Damaged by Flood)
For Motorability in ^{GHUGHUA} **BAGAH BHELWA-BANKATWA**

ESTIMATED COST;-Rs. 2093900.00

LENGTH: KM

~~1939800.00~~
~~1433300.00~~
1642200.00

Submitted by:

Executive Engineer

RWD WORKS DIVISION

DHAKA

F.D.R (2021-22)

तकनीकी प्रतिवेदन

पथ का नाम :- बगधी भैलवा धुधुआ - बनर 291

प्रमंडल का नाम लोडाखन

शीर्ष :- PMGSY

प्राक्कलित राशि :- Rs. 2093800.00 ~~1957800.00~~
1433300.00
1642200.00

अनुस्मरण अवधि :- अनुस्मरण

प्रस्तुत प्राक्कलन बगधी भैलवा धुधुआ - बनर 291 में अतिवृष्टि / बाढ़ से क्षतिग्रस्त पथराशों यातायात पुनर्स्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि Rs. 2093800.00 है। प्रस्तुत प्राक्कलन सचिव, ग्रामीण कार्य विभाग, पटना के पत्रांक-1937 दिनांक-07.07.2021 के निर्देशानुसार तैयार किया गया है पथ में अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथराशों में Bricks - 3000 & H.P. 1000 MM से भरने का प्रावधान किया गया है।

प्राक्कलन में दिये गये दर वर्तमान अनुसूचित दर के अनुरूप है।

Kewaly
21/11/21

जनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा लोडाखन

अमर
लोडाखन

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य आवर प्रमंडल लोडाखन

अमर

कार्यपालक अभियंता, 21/11/21
ग्रामीण कार्य विभाग,
कार्य प्रमंडल लोडाखन

of Work :- Estimate for repair of Road breaches (Damage by Flood) for
 facility in Bagahi Bhetwa Chughua-Bankatwa

ROAD :- FHR

Length :-

Sl. No.	Name of Road	Unit	Qty	Rate	Amount
1	Labour for laying dry graded stone khua Or stone Filter under Brick Pitching in Slope or apron including light ramming etc. all complete as per approved design. <u>Specification and direction of ... E/I</u>	M3	836.195	1938.89	1621290.00
2	Providing and laying RCC NP3 for culverts On First class bedding of granular material In single/dubal row including fixing collar with CM 1:2 but excluding excavation.... E/I	M	7.50	2781.37	20860.00
3	Sand Filled with Approved Materials Sepsited at site from road way cutting and excavation from drain and foundation of other structure graded and compected as per Technical Specification..... E/I	Bag			

Total (In Rs.) 1642150.00

Say Total :- Rs. 1642200.00

J.E.

A.E.

Amal
21/11/21
E.E.

East Fasta T.S. is recorded for
An 10,42,900.00 (Sixteen
Lacs Forty Two thousand Two
hundred 00) only.

~~10,42,900.00~~

SE
R.W.D. W. e.
Mumbai

me of Work:- Estimate for repair of Road breaches (Damage by Flood) for

Bagahi Bhelawa Ghughua-Bankatwa

Appendix - 1

Measurement for surfacing the Breach with Filling

No.	Chainage KM	Length(M)	Avg.Width(M)	Avg.Depth(M)	Quantity(cum)
	0.00 to	10.00	2.80	1.60	44.80
		5.00	3.75	1.90	35.62
		8.00	3.75	1.80	54.00
		25.00	$5.25+7.25/2$	$3.25+3.75/2$	546.87
		10.00	2.90	1.90	55.10
		15.00	3.75	1.80	101.25
Total Qty. :-					837.645 M3

Less for H.P Area :-

$$\frac{2\text{no.} \times 0.7857 \times 1.230 \times 0.612}{(-)} 1.45$$

Total Qty:- 836.195 M3

J.E

A.E.

E.E.

21/11/21

Name of Work:-

Estimate for Repair of Road breaches (Damaged by Flood) for
CHUGWA
BAGANI BHELAWA BANKATWA

Appendix -1

Measurement for surfacing the Breach with _____ Filling

Sl.No	Chainage Km	Length(m)	Avg.Width (M)	Avg.Depth (M)	Quantity(cum)
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MONIE PIPE 1000MM DIA :-

3.00 NO x 2.50 M

7.50

TOTAL QTY :-

7.50 M

[Signature]
20/11/21

J.E

[Signature]
20/11/21

A.E

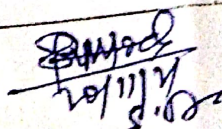
[Signature]
21-11-21

E.E

1940-1941

S.No	Description	Unit	Quantity	Rate	Amount
5.3.2	Subtotal for hauling dry graded stone from or across river under direct blasting or similar blasting in stages or across including light running etc. all components as per approved design, mobilization and demobilization of S/L				
	Load = 9m ³ Earth				
	Hauling Distance = 1.831 km				
	Tractor capacity 5.5 tonnes	hour	1	612.00	612.00
	Time taken for outward haulage with load	hour			
	Time taken for empty return trip	hour			
	Overhead charges @ 0.00 on (a)				0.00
	Contractor's profit @ 0.3 on (a+b)				183.96
	Cost for 1.831 km x earth				795.96
	Rate per Cum (Rs.)				87.12
5.3.2.1	Cost of Haulage Including Loading and Unloading				
	Haulage of materials by Tractor excluding cost of loading, unloading and stacking				
	Load = 9 cum				
	Hauling distance 1.831 km one way and back 10 km = 11.831 km				
	(a) Surfaced Road				
	Loaded with load 11 km / hour				
	Speed while returning empty 25 km / hour				
	(a) Machinery				
	Tractor 5.5 tonne capacity	hour	0.667	612.00	408.36
	Time taken for outward haulage with load	hour	0.400	612.00	244.80
	Time taken for empty return trip	hour			0.00
	(b) Overhead charges @ 0.00 on (a)				0.00
	(c) Contractor's profit @ 0.3 on (a+b)				122.56
	Cost for 11.831 km x earth				575.72
	Rate per 1 cum = (a+b+c)/95				60.60
	Rate Rs.				
	(d) Unsurfaced Gravelled Road				
	Loaded with load 11 km / hour				
	Speed for empty return trip 20 km / hour				
	(a) Machinery				
	Tractor 5.5 tonne capacity	hour	0.833	612.00	509.88
	Time taken for outward haulage with load hour 0.833	hour	0.500	612.00	306.00
	Time taken for empty return trip hour 0.500	hour			0.00
	(b) Overhead charges @ 0.00 on (a)				0.00
	(c) Contractor's profit @ 0.3 on (a+b)				151.88
	Cost for 20.1 km x earth 660.34				12.68
	Rate per 1 cum = (a+b+c)/95				11.56
	Rate Rs.				

1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand /Kankar/Mortar etc.				
	Placing Tractor at loading point, loading with front loader, dumping, turning for return etc.				
	Unit = cum				
	Taking output = 2.25 cum		1 Min		
	Time required for				
	i) Positioning of Tractor at loading point		5 Min		
	ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		0 Min		
	iii) Maneuvering, reversing, dumping and turning for return		0 Min		
	iv) Waiting time, unforeseen contingencies etc		5 Min		
	Total		0.03	325.00	9.53
	a) Labour	day	0.72	364.00	218.88
	Mate	day			
	Mazdoor for loading and unloading			612.00	61.20
	b) Machinery	hour	0.1		
	Tractor 3.60 tonnes capacity			1594.00	132.30
	Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083		0.00
	c) Overhead charges @ 0.00 on (a+b)				0.00
	d) Contractor's profit @ 0.1 on (a+b+c)				422.01
	Cost for 2.25 cum = a+b+c+d				187.56
	Rate per cum = (a+b+c+d)/ 2.25				
Note:-	Unloading will be done manually.				
1.	Supplying for Brick Bats (with OH)	Per Cum		987.00	987.00
A.	Basic Rate of Brick Bats		0%		0.00
	Add overhed Charges				987.00
	Total -				
	Surface Lead	KM	7		
	Unsurface Lead	KM	1		
	Factor (3.6/2.25)	Cum	1.60		
					426.98
B.	Carriage (with OH)				
	(1.6 x 7 x 18.14) + (1.6 x 1 x 22.66) + 187.56				322.03
C.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				1736.01
	Total (A+B+C) -				17.36
	Add 1% Labour Cess (A+B+C)				208.32
	Add 12% GST (A+B+C)			1	987.00
	Add 10% basic rate of material for seigniorage fee			Rs.-	2050.40
	Total Cost per Cum				


 20/11/24
 S.D.

1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row				
	Providing and laying reinforced cement concrete pipe NP3 for Cross Drainage				
B.	1000 MM DIA				
	Unit = m				
	Taking output = 7.5 m				
	(3 pipes of 2.5 m length each)				
	a) Material				41737.50
	iii) RCC pipe NP 3 pipe	m	7.50	5565.00	
	b) Labour				28.89
	Mate	day	0.09	321.00	102.00
	Mason (1st class)	day	0.25	408.00	608.00
	Mazdoor (Unskilled)	day	2.00	304.00	0.00
	c) Overheads @ 6 % on (a+b)				0.00
	d) Contractor's profit @ 0% on (a+b+c)				0.00
	Cost for 7.5m = (a+b+c+d)				42476.39
	Rate per m = (a+b+c+d)/7.5				5663.52
	Carriage cost per M				302.29
	Total				5965.81
	Add Labour Cess 1%				59.66
	Add GST 12%				715.90
	Add 10% cost of material for seigniorage fee				556.50
	Total Cost	m			7297.86

Sumed
20/11/24
S.D.R