

Inspection Report For Flood Damage Work

Date :-

1. Name of PIUs- Executive Engineer, RWD. (W.D), Dhaka.
2. Name of Block – Chiraiya.
3. Name of Road – Chiraiya Semra To Semra Road.

(A) For Road

1. Damage Location/Chainage :- 200 To 500 M.
2. Damage Length :- 89 Meter.
3. Cause of Damage :- Due To Flood 2021/ Heavy Rain.
4. Nature of Damage :- Ditches/Breaches
5. Details of Restoration Work :-
 - (i) Material being used in restoration works :- Bricks Bat/Jhamma Metal/ Rabis/Hume Pipe.
 - (ii) Equipment/Tools being used in restoration Works :- J.C.B./Tractor/Trolley/Others
 - (iii) Procedure Taken up in restoration works :- Emergent Repair.
 - (iv) Restored Length :- 89 Meter. *Satisfactory*

[Signature]
27/10/22
J.E

[Signature]
28/10/22
M

[Signature]
27/10/22
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;-CHIRAIYA

Estimate for Repair of Road breaches (Damaged by Flood)

For Motorability in Chiraiya Semra to Semra Road

ESTIMATED COST;-Rs. ^{1,17,700/-}~~125100.00~~

LENGTH:- 1.00 KM

Submitted by:

Executive Engineer

RWD WORKS DIVISION

DHAKA

तकनीकी प्रतिवेदन

पथ का नाम :- चिरैया सेमरा REO पथ से सेमरा

लंबाई - 1.0 km

प्रखंड का नाम :- चिरैया

शीर्ष :- F.D.R

प्राक्कलित राशि :- रु० 1,17,700/-
रु० 1,25,100/-

अनुरक्षण अवधि :- अनुरक्षण अवधि के अंदर

प्रस्तुत प्राक्कलन चिरैया सेमरा REO पथ से सेमरा पथ में अतिवृष्टि / बाढ़ से क्षतिग्रस्त पथांशों यातायात पुनर्स्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि ... 1,25,100/- रु० है। प्रस्तुत प्राक्कलन सचिव, ग्रामीण कार्य विभाग, पटना के पत्रांक-27 दिनांक- के निर्देशानुसार तैयार किया गया है पथ में अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथांशों में Brick bats से भरने का प्रावधान किया गया है।

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

02/11/2021

कनीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा चिरैया

04/11/2021

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल चिरैया

2.11.21

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, ढाका

Name of work :- Estimate for Repair of Road breaches () for Motorability in
Chiraiya Semra to Semra Road

HEAD:- FDR Length:- 1.00 KM

SI No	Name of Item	Unit	QTY	Rate	Amount
				M3 Rs	Rs
1.	Labour for laying dry graded jhama khoa Or stone filter under Brick Pitching in Slope or apron including light ramming Etc. all complete as per approved design. Specification and direction ofE/I	M3	60.70	1938=89 2060.40	1,17,691=00 125066.00
2.	Providing and laying RCC NP3 for culaverts On first class bedding of granular material In single/dubal row including fixing collar with CM 1:2 but excluding excavation.....E/I	M			
3.	Sand filling with Approved Materials Seposited at site from road way cutting and excavation from drain and foundation of other structure graded and compacted as per Technical specification.....E/I	Bag			1,17,691=00
Total(in Rs)					125066.00
Say Total Rs					1,17,700/-

J.E / Chiraiya
02/11/2021

A.E / Chiraiya
09/11/2021

E.E
RWD, Dhaka
1.11.21

Post facto T.A./TS is accorded for Rs. 1,17,700.00
..... crore..... One..... lacs..... Seventeen thousand
..... Seven..... hundred.....) only.

S.E. (R.W.D.)
works Circle
Motihari
11/11/2021

Name of Work:- Estimate for Repair of Road breaches (Damaged by Flood)for
Chiraiya Semra to Semra Road

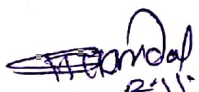
Appendix -1

Measurement for surfacing the Breach with Brick bats Filling

Sl.No	Chainage Km	Length(m)	Avg.Width (M)	Avg.Depth (M)	Quantity(M)
200		22.00	3.00	0.200	13.20
300		25.00	1.80	0.200	9.0
400		7.00	2.00	0.250	3.50
500		35.00	4.00	0.250	35.00
Total					60.70


02/11/2021
J.E./Chiraiya


02/11/2021
A.E./Chiraiya


21/11/21
E.E.
RWD, Dhaka

BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	Labour for laying dry graded Jhama Khola or stone filter under Brick Pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and direction of E/I.				
	Unit :- Per Cum				
	Taking Output = 2.832 Cum				
	Unskilled Mazdoor	Nos.	3	304.00	912.00
	Add 0% Overhead Charges				0
	Rate for 2.832 Cum				912.00
	Rate per Cum (Rs.) -				322.03
1.4 RCD	Cost of Haulage Excluding Loading and Unloading				
	Haulage of materials by Tractor excluding cost of loading, unloading and stacking.				
	Unit = t.km				
	Taking output 3.60 tonnes load and lead 10 km = 36.0 t.km				
	(i) Surfaced Road				
	Speed with load : 15 km / hour.				
	Speed while Returning empty :25 km / hour.				
	a) Machinery.				
	Tractor 3.6 tonne capacity.				
	Time taken for onward haulage with load	hour	0.667	612.00	408.20
	Time taken for empty return trip.	hour	0.400	612.00	244.80
	b) Overhead charges @ 0.00 on (a)				0.00
	c) Contractor's profit @ 0.1 on (a+b)				0.00
	cost for 36 t km = a+b+c				653.00
	Rate per t.km = (a+b+c)/36				18.14
	Say Rs. -				18.14
	(ii) Unsurfaced Graveled Road				
	Speed with load: 12 km / hour				
	Speed for empty return trip :20 km / hour				
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with load hour 0.833	hour	0.833	612.00	509.80
	Time taken for empty return trip hour 0.500	hour	0.500	612.00	306.00
	b) Overhead charges @ 0.06 on (a)				0.00
	c) Contractor's profit @ 0.1 on (a+b)				0.00
	Cost for 36 t .km = a+b+c 840.34				815.80
	Rate per t.Km = (a+b+c)/36 23.34				22.66
	Say Rs. -				22.66

J.E/Chiraiya
02/11/2021

A2/Chiraiya
02/11/2021

1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand /Kanker/Moorum			
	Placing Tractor at loading point, loading with front loader, dumping, turning for return trip,			
	Unit = cum			
	Taking output = 2.25 cum			
	Time required for			
	i) Positioning of Tractor at loading point	1 Min		
	ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour	5 Min		
	iii) Maneuvering, reversing, dumping and turning for return	0 Min		
	iv) Waiting time, unforeseen contingencies etc	0 Min		
	Total	6 Min		
	a) Labour			
	Mate	day	0.03	321.00
	Mazdoor for loading and unloading	day	0.72	304.00
	b) Machinery			
	Tractor 3.60 tonnes capacity	hour	0.1	612.00
	Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1594.00
	c) Overhead charges @ 0.00 on (a+b)			0.00
	d) Contractor's profit @ 0.1 on (a+b+c)			0.00
	Cost for 2.25 cum = a+b+c+d			422.01
	Rate per cum = (a+b+c+d)/ 2.25			187.56
Note:-	Unloading will be done manually.			
1.	Suplying for Brick Bats (with OH)			
A.	Basic Rate of Brick Bats	Per Cum	987.00	987.00
	Add overhed Charges	0%		0.00
	Total -			987.00
	Surface Lead	KM	7	
	Unsurface Lead	KM	1	
	Factor (3.6/2.25)	Cum	1.60	
B.	Carriage (with OH)			
	$(1.6 \times 7 \times 18.14) + (1.6 \times 1 \times 22.66) + 187.56$			426.98
C.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)			322.03
	Total (A+B+C) -			1736.01
	Add 1% Labour Cess (A+B+C)			17.36
	Add 12% GST (A+B+C)			208.32
	Add 10% basic rate of material for seigniorage fee	1	987.00	98.70
	Total Cost per Cum		Rs.-	2060.40

02/11/2021
J.E / chiraiya

09/11/2021
A2 / chiraiya