

Inspection Report For Flood Damage Works

Date :-

1. Name of PIUs – Executive Engineer, R.W.D. (W.D.) Motihari
2. Name of Block - Dhaka
3. Name of Road – Balua Sekha Toli To Balua

(A) For Road

1. Damage Location/ Chainage :-
2. Damage Length :- ~~60 M~~ 45 M *At Dhaka*
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 :- ~~60 M~~ 45 M *Satisfactory* *AE, Dhaka*

AP
15/03/22
25

Sad
15/3/22
10

Signature
15/3/22
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;-DHAKA

Estimate for Repair of Road breaches (Damaged by Flood)
For Motorability in **BALUA SEKHA TOLI TO BALUA**

ESTIMATED COST;-Rs. 2664000.00 ~~2110600.00~~
1646500.00

LENGTH: KM

Submitted by:

Executive Engineer

RWD WORKS DIVISION

DHAKA

F.D.R (2021-22)

तकनीकी प्रतिवेदन

पथ का नाम :- कलुआ शेर डोली से कलुआ

प्रमंडल का नाम :- दाका

शीर्ष :-

प्राक्कलित राशि :- 2664000 ~ 2110600
168650000

अनुरक्षण अवधि :-

प्रस्तुत प्राक्कलन कलुआ शेर डोली से कलुआ में अतिवृष्टि / बाढ़ से क्षतिग्रस्त पथांशों यातायात पुनःस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि ₹ 2663994.00 है। प्रस्तुत प्राक्कलन सचिव, ग्रामीण कार्य विभाग, पटना के पत्रांक-1937 दिनांक- 07.07.2024 के निर्देशानुसार तैयार किया गया है पथ में अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथांशों में Bricks 13000 से भरने का प्रावधान किया गया है।

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

जननीय अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रशाखा दाका

21/11/24
सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल दाका

21/11/24
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल दाका

Name of work :- Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in
BALUA SHEKH TOLI TO BALUA

HEAD:- FDR Length:- km

SI No	Name of Item	Unit	QTY	Rata	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	849.21 1088.58 1938.89 1292.95	2060.40	1646518.00 2110637.0 2663994.00
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	00.00	7297.86	00.00
3.	Sand filling with Appoved Materials Seposited at site from road way cutting and excavation from drain and foundation of other strecture graded and compected as per Technical specification.....E/I	Bag			

Total(in) Rs 2663994.00

Say Total Rs 2664000.00

~~Rs 2110600.00~~
Rs 1646500.00

J.E

[Signature]
21/11/24
A.E

[Signature]
E.E 21.11.24

Post facto P.A.T.S is accorded for Rs. 16,46,500 / -
(.....crore.....Sixteen.....lacs.....Forty Six.....thousand
.....Five.....hundred.....) only

[Signature]
S.E. (R.W.D.)
works Circle
Motihari

For any information please contact the following :-

Name of Work:- Estimate for Repair of Road breaches (Damaged by Flood)for
BALUA SHEKH TOLI TO BALUA

Appendix -1

Measurement for surfacing the Breach with.....Filling

Sl.No	Chainage Km	Length(m)	Avg.Width (M)	Avg.Depth (M)	Quantity(cum)
	0.00KM TO	45.00 35.00 10.00	5.25+7.25/2	3.25+ 4.50 +3.75/3	1077.18 1281.55
			1.90	0.600	11.40.

831.80

TOTAL QTY:- 1292.95
~~1088.58~~ 849.21

J.E

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21/11/21
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21/11/21
E.E

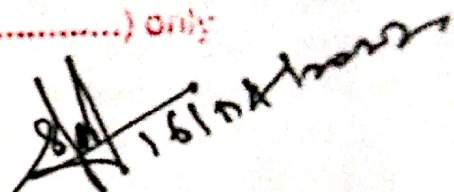
BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	Labour for laying dry graded Jhama Khoa 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
	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
	Time taken for empty return trip.	hour	0.400	612.00
	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
	Time taken for empty return trip hour 0.500	hour	0.500	612.00
	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

1. RCD Loading and Unloading of Stone Boulder/ Stone aggregates/ Sand / Kanker/ Moomam					
Placing Tractor at loading point, loading with front loader, dumping, turning for return trip.					
Unit = Cum					
Loading 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) Manoeuvring, 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	9.63	
Maandoor for loading and unloading	day	0.72	304.00	218.88	
b) Machinery					
Tractor 3.60 tonnes capacity	hour	0.1	612.00	61.20	
Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1594.00	132.30	
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.					
I. Supplying for Brick Bats (with OH)					
A. Basic Rate of Brick Bats	Per Cum		987.00	987.00	
Add overhead 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	

By Hand
21/11/21
A-E

Post facto P.A.T.S is accorded for Rs. 16,46,500/-
(..... crore Sixteen lacs Forty Six thousand
Five hundred) only


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