

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 – Dhaka-Ghorasahan PWD Road-Khairwa

(A) For Road

1. Damage Location/ Chainage :-
2. Damage Length :- ~~20 M~~ 14.2 M *Am*
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 :- ~~20 M~~ 14.2 M *Am*
Satisfactory

Inde
25.2.22
SE

du
25/2/22
AC
Motihari

Signature
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

2020-2022

YEAR ~~2020-2022~~

DISTRICT;-EAST CHAMPARAN

BLOCK;-GHORASAHAN

Estimate for Repair of Road breaches (Damaged by Flood)

For Motorability in **DHAKA GHORASAHAN PWD**

ROAD -KHAIRWA

ESTIMATED COST;-Rs. **186300.00** 175200.00

LENGTH: KM

Submitted by:

Executive Engineer

RWD WORKS DIVISION

DHAKA

तकनीकी प्रतिवेदन

प्रश्न का नाम : ८4/5, 1997

शीर्ष :- १२ ३०५५

प्राक्कलित राशि :- ~~186300.5~~ 175200.00

अनुरक्षण अवधि :- ३३(५१)

प्रस्तुत प्राक्कलन कार्यवाही क्र. 1000/2024 में अतिवृष्टि / बाढ़ से क्षतिग्रस्त पथांशों यातायात पुनर्स्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि ... 186300/- 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 अतिवृष्टि/बाढ़ से भरने का प्रावधान किया गया है।

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

क. न. य. आ. ग. य. त. ता.
ग्रामीण कार्य विभाग,
कार्य प्रशाखा क/डा/म/न

सहायक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल, बिनाम

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

Name of work :- Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in
DHAKA GHORASAHAN PWD ROAD -KHAIRWA

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	90.38	1938.89	175237.0	186219.00
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 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 ~~186219.00~~)

175237.0

Say Total Rs ~~186300.00~~

Rs. 175200.00

[Signature]
21/11/21

J.E

[Signature]
21/11/21

A.E

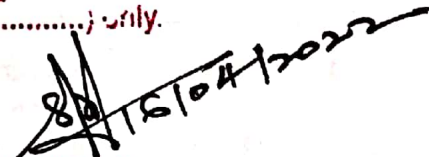
[Signature]
21/11/21

E.E

Post Facto ~~T.A.T.S~~ is accorded for Rs. 1,75,200.00.

(.....crore. One lacs Seventy Five thousand

~~Two~~ hundred only.

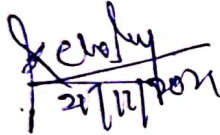

S.E. (R.W.D.)
works Circle
Motihari

Name of Work:- Estimate for Repair of Road breaches (Damaged by Flood)for
DHAKA GHORASAHAN PWD ROAD - KHAIRWA

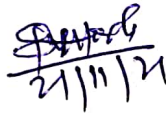
Appendix -1

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

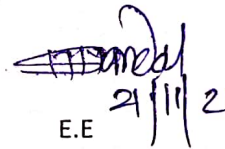
Sl.No	Chainage Km	Length(m)	Avg.Width (M)	Avg.Depth (M)	Quantity(M)
	0.00 TO 0.600	7.000	2.000	3.000	42.000
		7.200	2.100	3.200	48.380
TOTAL QTY;					90.380


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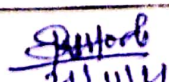

21/11/21

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	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 0.500 521.00 2	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

1.1 RCD	Loading and Unloading of Stone Boulder/ Stone aggregates/Sand /Kanker/Moorum			
	Placing Tractor at loading point, loading with frontloader, 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.	Supplying 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 x 7 x 18.14) + (1.6 x 1 x 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


 21/11/24
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