

GOVERNMENT OF BIHAR
FDR (2020-21)



बिहार सरकार

Name of Road- Dhaka Phulwariya Road to Chaknagri	Length- 1.958 Km
Estimated Cost- Rs.:-5,97,000.00	Block- Dhaka

Submitted By
Executive Engineer
R.W.D. (W) Division Dhaka

F.D.R (2020-21)

तकनीकी प्रतिवेदन

पथ का नाम :- दाका - फुलवडिहा रोड से चकनगरी,

प्रखंड का नाम :- दाका

पथ की लम्बाई :- 1.958 कि०मी०

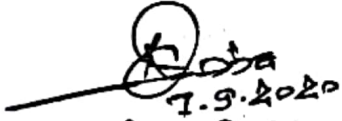
शीर्ष :- 3054.

प्राक्कलित राशि :- ₹ - 5,97,000-00

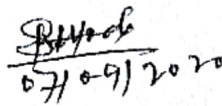
अनुरक्षण अवधि :- निर्माणाधीन

प्रस्तुत प्राक्कलन दाका - फुलवडिहा रोड से चकनगरी में अतिवृष्टि / बाढ़ से क्षतिग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि मो० 5,97,000-00 रु० है। प्रस्तुत प्राक्कलन सचिव ग्रामीण कार्य विभाग बिहार पटना के पत्रांक:-2254, दिनांक:-30.06.2020 के निर्देशानुसार तैयार किया गया है। पथ में अतिवृष्टि / बाढ़ के कारण क्षतिग्रस्त पथाशों में Brick Bats से भरने का प्रावधान किया गया है।

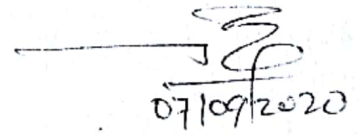
प्राक्कलन में दिये गये दर वर्तमान अनुसूचित दर के अनुरूप है।


1.9.2020

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, दाका।


07/09/2020

सहाय अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, दाका


07/09/2020

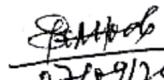
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, दाका

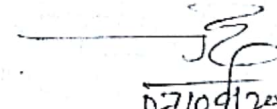
Rate for Restoration work of Road from Dhaka Phulwariya Road to Chaknagri
for the year 2020-21 in Dhaka Block.

Length:-1.958 Km

SL N.	Name of Item	Unit	Quantity M ³	Rate Rs.	Amount Rs.
1	Labour for laying dry graded jhama khoa or stone filter under Bricks pitching in slope or apron including light ramming etc..... all complete as per approved design specification and direction of E/I. (Brick Bat) <u>CH:- 05M to 95M</u> $90.00 \times 4.00 + 4.50 / 2 \times 0.450 + 0.6.00 / 2$ = 200.81M ³ <u>CH:- 975M to 1000M</u> $25.00 \times 4.10 \times 5.40 / 2 \times 0.300 + 1.20 + 0.400 / 3$ = <u>77.19M³</u> Total = 278.00M ³	M ³	278.00	2147.40	5,96,977.00
			Total=	Rs.	5,96,977.00
				Say Rs.	5,97,000.00


1.5.2020
JE.


07/09/2020
AE.


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EE.

Est. Facto T.A./TS is accorded for Rs. 5,97,000 = 5
.....crore. Fivelacs. Ninety Seven
.....thousand
.....hundred only.


25.12.20
S.E. (R.W.D.)
works Circle
Motihari
20-12-20

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	287.00
	Add 6% Overhead Charges			51.66
	Rate for 2.832 Cum			912.66
	Rate per Cum (Rs.) -			383.15
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	549.10
	Time taken for empty return trip.	hour	0.400	549.10
	b) Overhead charges @ 0.06 on (a)			35.15
	cost for 36 t km = a+b+c			621.04
	Rate per t.km = (a+b+c)/36			17.25
	Say Rs. -			17.25
	(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	549.10
	Time taken for empty return trip hour 0.5	hour	0.500	549.10
	b) Overhead charges @ 0.06 on (a)			43.92
	Cost for 36 t .km = a+b+c			775.87
	Rate per t.Km = (a+b+c)/36			21.55
	Say Rs. -			21.55

32227

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, excluding for haulage and 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	305.00	9.15	
Mazdoor for loading and unloading	day	0.72	287.00	206.64	
b) Machinery					
Tractor 3.60 tonnes capacity	hour	0.1	549.10	54.91	
Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1403.00	116.45	
c) Overhead charges @ 0.06 on (a+b)				23.23	
Cost for 2.25 cum = a+b+c+d				410.38	
Rate per cum = (a+b+c+d)/ 2.25				182.39	
Note:- Unloading will be done manually.					
1. Supplying for Brick Bats (with OH)					
A. Basic Rate of Brick Bats	Per Cum		1017.00	1017.00	
Add overhed Charges		6%		61.02	
Total -				1078.02	
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 17.25) + (1.6 x 1 x 21.55) + 182.39				410.07	
C. Ramming as per WRD SOR 6.6.1 (with OH)				383.15	
Total (A+B+C) -				1871.24	
Add 1% Labour Cess (A+B+C)				18.71	
Add 12% GST (A+B+C)				224.55	
Add 10% cost of Material for Seigniorage Fee		1	101.70	101.70	
Total Cost per Cum			Rs.-	2216.20	

322.27

1810.36

18.10

217.24

2147.40

1.9.2020
J.E

07/09/2020
A-E

07/09/2020
E.E

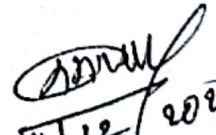
Inspection Report for Flood Damage Works:-

Date:-

1. Name of PIUs:- Executive Engineer. R.W.D. (W) Div.ⁿ Dhaka
2. Name of Block:- Dhaka
3. Name of Road :- Dhaka Phulwariya Road to Chaknagri

(A) For Road

1. Damage Location Chainage:-
2. Damage Length:- 115 m
3. Name of Damage:- Road damaged due to Flood.
4. Details of Restoration Work:-
 - (i) Material being used in Restoration works:- Brick bats
 - (ii) Equipments Tools being used in restoration works:-
 - (iii) Procedure take up in restoration works:- Departmental.
 - (iv) Restored Length:- 115 m


Executive Engineer
R.W.D. (W) Div.ⁿ
Raxaul