

FDR (2020-21)



बिहार सरकार

Name of Road-Dhaka Phulwariya road to Yadavpur Nankar	Length-1.80 Km
Estimated Cost- Rs.:-4,86,000.00	Block- Dhaka

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

F.D.R (2020-21)

तकनीकी प्रतिवेदन

पथ का नाम :- दाका-फुलनडीया रोड से यादवपुर नन्हकार

प्रखंड का नाम :- दाका

पथ की लम्बाई :- 1.80 कि०मी०

शीर्ष :- 3054

प्राक्कलित राशि :- ₹ - 4,86,000.00

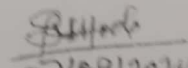
अनुरक्षण अवधि :- -

प्रस्तुत प्राक्कलन दाका-फुलनडीया रोड से यादवपुर नन्हकार में अतिवृष्टि/वाढ़ से क्षतिग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि मो० 4,86,000.00 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/वाढ़ के कारण क्षतिग्रस्त पथाशों में Brick Bats से भरने का प्राक्धान किया गया है।

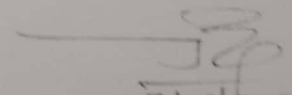
प्राक्कलन में दिये गये दर वर्तमान अनुसूचित दर के अनुरूप है।


म. 5. 2020

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, दाका।


07/09/2020

सहाय अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, दाका

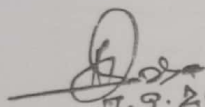

07/09/2020

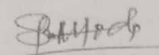
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, दाका

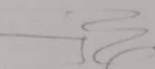
Estimate for Restoration work of Road from Dhaka Phulwariya road to Yadavpur
Nankar for the year 2020-21 in Dhaka Block.

Length:-1.80 Km

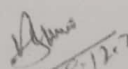
SL N.	Name of Item	Unit	Quantity M ³	Rate Rs.	Amount Rs.
1	Labour for laying dry graded jhama khoa or stone filter under Bricks pitching in slope or apron including light ramming etc..... all complete as per approved design specification and direction of E/I. (Brick Bat)				
	<u>CH:- 5M to 25M</u> 20.00x1.50+3.00/2x1.50+2.50+1.50/3 = 75.00M ³				
	<u>CH:- 1750M to 1810M</u> 60.00x4.00+5.00/2x0.300+1.10+0.400/3 = 162.00M ³				
	Total = 237.00M ³	M ³	237.00	2053.84	4,86,760.00
			Total=	Rs.	4,86,760.00
				Say Rs.	4,86,000.00


7.9.2020
JE.


07/09/2020
AE.


07/09/2020
EE.

Post Facto T.A./TS is accorded for Rs. 4,86,800.00
(..... crore Four lacs Eighty six thousand
Eight hundred) only.


S.E. (R.W.D.)
works Circle
Motihari
29-12-20

GOVERNMENT OF BIHAR

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

Add 6% Overhead Charges

Rate for 2.832 Cum

Rate per Cum (Rs.) -

Nos.

3

287.00

861.00

51.66

912.66

~~383.15~~

322.27

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

366.25

Time taken for empty return trip. hour

0.400

549.10

219.64

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

457.40

Time taken for empty return trip hour 0.5 hour

0.500

549.10

274.55

b) Overhead charges @ 0.06 on (a)

43.92

Cost for 36 t .km = a+b+c 840.34

775.87

Rate per t.Km = (a+b+c)/36 23.34

21.55

Say Rs. -

21.55

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, 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
	Mazdoor for loading and unloading	day	0.72	287.00
	b) Machinery			
	Tractor 3.60 tonnes capacity	hour	0.1	549.10
	Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1403.00
	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 overhead 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)			
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 182.39$			-410.07
C.	Ramming as per WRD SOR 6.6.1 (with OH)			
	Total (A+B+C) -			-383.15
	Add 1% Labour Cess (A+B+C)			1871.24
	Add 12% GST (A+B+C)			18.71
	Add 10% cost of Material for Seigniorage Fee	1	101.70	224.55
	Total Cost per Cum			101.70
		Rs.-		2216.20

327.27

322.27

1727.56

17.24

207.31

2053.84

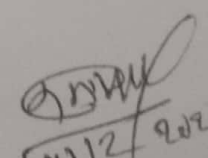
Inspection Report for Flood Damage Works:-

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 yadawpur Nankar

(A) For Road

1. Damage Location Chainage:-
2. Damage Length:- 80 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:- 80 m.


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