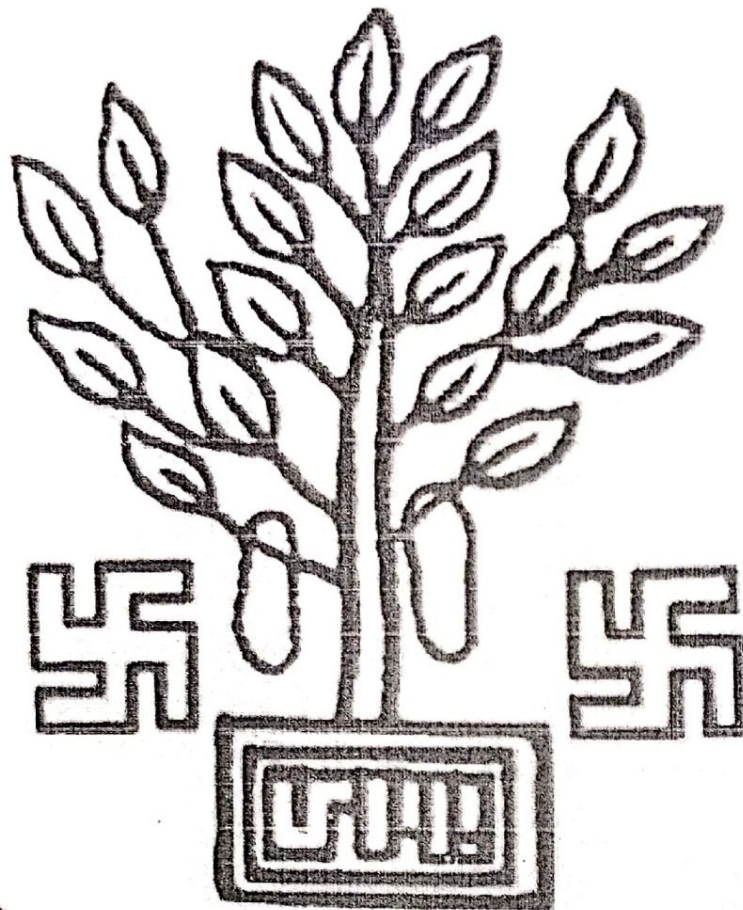


GOVERNMENT OF BIHAR
FDR (2020-21)



बिहार सरकार

Name of Road- Kushmahwa to Haruhani	Length-3.523 Km
Estimated Cost- Rs.:- 10,07,900.00	Block- Dhaka

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

F.D.R (2020-21)

तकनीकी प्रतिवेदन

पथ का नाम :- कुशमहना से हनुहानी

प्रखंड का नाम :- दाका

पथ की लम्बाई :- 3.523 कि.मी.

शीर्ष :- 3054.

प्राक्कलित राशि :- ₹. 10,07,900 = 10

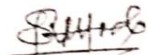
अनुरक्षण अवधि :- निर्माणधीन

प्रस्तुत प्राक्कलन कुशमहना से हनुहानी में अतिवृष्टि/वाढ़ से क्षतिग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि मो० 10,07,900 = 10 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 प्रावधान किया गया है, तथा आवश्यकता अनुसार पथ में हयूम पाईप का प्रावधान किया गया है।

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


1.5.2020

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, दाका।


27/09/2020

सहाय अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, दाका


27/09/2020

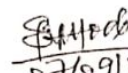
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, दाका

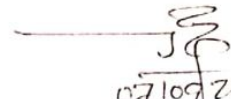
Estimate for Restoration work of Road from Kushmahwa to Haruhani for the year 2020-21 in Dhaka Block.

Length:- 3.523 Km

SL N O.	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) CH:- 1550M to 1568 M $18.00+17.00/4.00+6.50/2 \times 1.00+2.50+1.50/3 = 153.125M^3$ CH:-1950M to 1972 M. $22.00+20.00/2+4.00+6.00/2 \times 1.10+1.80+1.10/3 = 140.00M^3$ CH:-2670M to 2730M $60.00M+55.00/2 \times 4.10+5.50/2 \times 0.50+1.10+0.500/3 = 193.00M^3$ 486.325M³ Less for H.P $1 \times 22/7 \div 4 \times (1.23) \times 5.00$ (-) 5.94 M³ Total= 480.385M³	M ³	480.385	2053.84	986634.00
2	Supplying Fitting and and fixing Hume pipe 1000mm dia Hume pipe all complete as per approved design specification and direction of E/I. 1Row x 2 Nos. x 2.50M = 5M	M	5	4258.65	21293.00
			Total=	Rs.	10,07,927.00
				Say Rs.	10,07,900.00


 7.9.2020
 JE.


 07/09/2020
 AE.


 07/09/2020
 EE.

Port Factor TA is accorded for Rs. 10,07,900.00
 (.....crore.....Ten.....lacs.....Seven.....thousand
 Nine.....hundred.....) only


 S.E. (R.W.D.)
 works Circle
 Motihari
 25-12-20

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			
	ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour	1 Min		
	iii) Maneuvering, reversing, dumping and turning for return	5 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 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)			
	$(1.6 \times 7 \times 17.25) + (1.6 \times 1 \times 21.55) + 182.39$			410.07
C.	Ramming as per WRD SOR 6.6.1 (with OH)			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

327.27

322.27

1727.56

17.27

207.31

2053.84

Chapter 9

PIPE CULVERTS

Sl. No.	Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
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9.3

1100

Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row

Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry

Unit = m

Taking output = 7.5 m

(3 pipes of 2.5 m length each)

(B) 1000 mm dia

a) Labour

Rate

day

0.09

305.00

27.45

Mason (1st Class)

day

0.25

383.00

97.00

Mazdoor (Unskilled)

day

2.00

287.00

574.00

b) Material

Sand at site

cum

0.04

175.80

7.03

Cement at site

t

0.03

5,171.60

155.15

RCC pipe NP3 concrete pipe including collar at site

m

7.50

2,758.22

20,686.65

c) Overheads @ 6.0% on (a+b)

1,292.84

d) Contractor's Profit @ 0.0% on (a+b+c)

0.00

Cost for 7.5 m = a+b+c+d

22,840.12

Rate per m = (a+b+c+d)/7.5

3,045.35

Carriage of Materials

RCC pipe NP3 concrete pipe including collar

(3.6/3 x 28 x 17.25 + 41.62 + 28.00) / 2.5

m

1.00

657.13

723.37

557.13

3768.72

3,702.48

37.02 37.68

444.30 452.25

4,183.20

4258.25

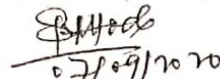
Final Rate in DPR (with carriage)

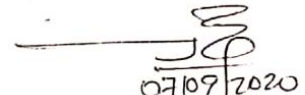
add 1% for Labour Cess

add 12% for GST

Final Rate in DPR with Seigniorage Fee, Cess & GST


1-9-2020
J.E.


07/09/2020
A.E.


07/09/2020
E.E.

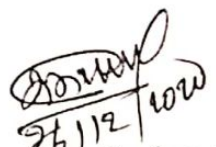
Inspection Report for Flood Damage Works:-

Date:-

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

(A) For Road

1. Damage Location Chainage:-
2. Damage Length:- *100 m*
3. Name of Damage:- *Road cutting 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:- *100 m*


26/12/2020
Executive Engineer
R.W.D. (W) Div.ⁿ
Raxaul