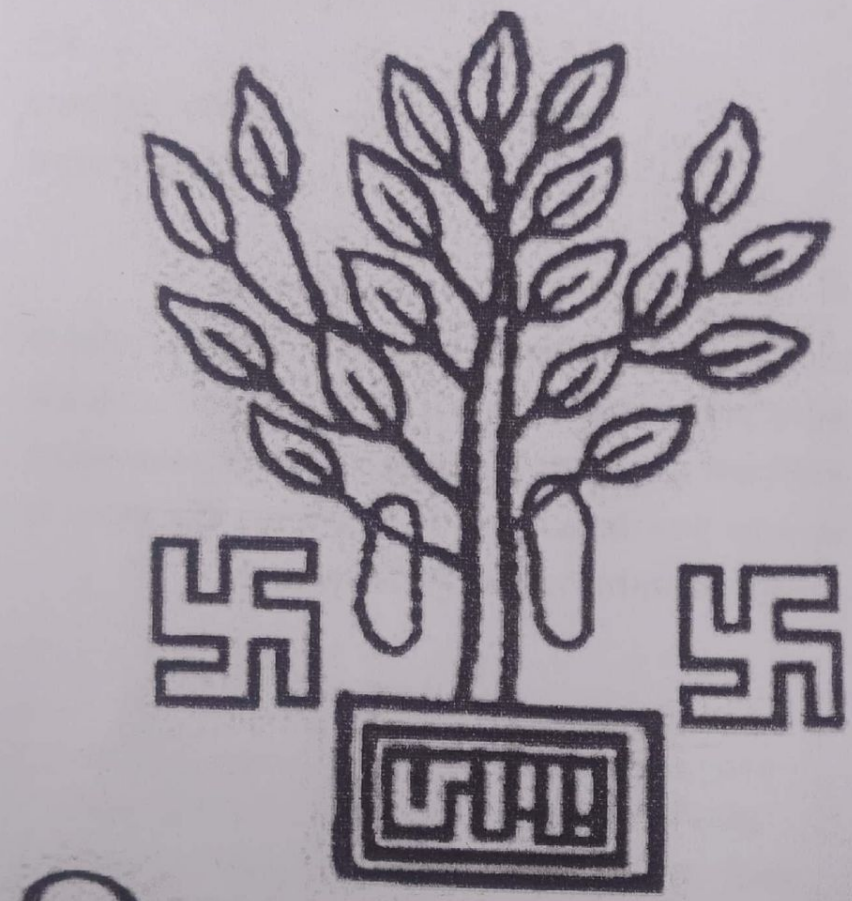
(41)

GOVERNMENT OF BIHAR
FDR (2020-21)



बिहार सरकार

Name of Road:-Dhaka Ghorasahan Road me Bisrahiya to Pipra	Length- 1.20 Km
Estimated Cost- Rs.:- 1,12,900.00	Block- Dhaka

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

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F.D.R (2020-21)

तकनीकी प्रतिवेदन

पथ का नाम :– ढाका - घोड़ासहन रोड में विशदहियाँ से चीपरा

प्रखंड का नाम :– ढाका

पथ की लम्बाई:– 1.20 कि०मी०

शीर्ष :– 3054

प्राक्कलित राशि:– रू- 1,12,900=00

अनुरक्षण अवधि :– - - - - -

प्रस्तुत प्राक्कलन ढाका - घोड़ासहन रोड में विशदहियाँ से चीपरा में अतिवृष्टि / वाढ़ से क्षतिग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि मो0 1,12,900=00 रू0 है। प्रस्तुत प्राक्कलन सचिव ग्रामीण कार्य विभाग बिहार पटना के पत्रांक:–2254, दिनांक:–30.06.2020 के निर्देशानुसांर तैयार किया गया है। पथ में अतिवृष्टि / वाढ़ के कारण क्षतिग्रस्त पथाशों में Brick Bats से भरने का प्रावधान किया गया है।

प्राक्कलन में दिये गये दर वर्त्तमान अनूसूचित दर के अनुरूप है।

7.9.2020	07/09/2020	07/09/2020
कनीय अभियंता	सहाय अभियंता	कार्यपालक अभियंता
ग्रामीण कार्य विभाग	ग्रामीण कार्य विभाग	ग्रमीण कार्य विभाग
कार्य प्रशाखा, ढ़ाका।	कार्य अवर प्रमंडल, ढ़ाका	कार्य प्रमण्डल, ढ़ाका

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...nate for Restoration work of Road from Dhaka Ghorasahan Road me Bisrahiya to ...pra for the year 2020-21 in Dhaka Block.

Length:- 1.20 Km

SL No.	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:-375M to 420M 45.00x1.25x0.300 = $16.875M^3$ CH:-490M to 500M 10.00x1.50x0.300 = $4.50M^3$ CH:-555M to 575M 20.00x1.50x0.300 = $9.00M^3$ CH:-580M to 590M 10.00x4.10x0.600 = $24.60M^3$ Total = $54.975M^3$	M^3	54.975	2053.84	1,12,910.00
			Total	Rs.	1,12,910.00
				Say Rs.	1,12,900.00

1-9.2020
J.E.

07/09/2020
A.E.

07/09/2020
E.E.

Post Facto

T.A./T.S is accorded for Rs. 1,12,900=00
(.....crore.....One.....lacs.....Twelve.....thousand
.....Nine.....hundred .....) only.

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

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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	861.00
	Add 6% Overhead Charges				51.66
	Rate for 2.832 Cum				912.66
	Rate per Cum (Rs.) -				~~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**

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1.1 RCD	Loading and Unloading of Stone Boulder/ Stoneaggregates/Sand /Kanker/Moorum				
	Placing Tractor at loading point, loading with frontloader, dumping, turning for return trip, excludingfor 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.	**Suplying 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~~ 4		
	Unsurface Lead	KM	1		
	Factor (3.6/2.25)	Cum	1.60		
B.	Carriage (with OH)				
	(1.6 x ~~7~~ 4 x 17.25) + (1.6 x 1 x 21.55) + 182.39				~~410.07~~ 327.27
C.	Ramming as per WRD SOR 6.6.1 (with OH)				~~383.15~~ 322.27
	Total (A+B+C) -				~~1871.24~~ 1727.56
	Add 1% Labour Cess (A+B+C)				~~18.71~~ 17.27
	Add 12% GST (A+B+C)				~~224.55~~ 207.31
	Add 10% cost of Material for Seigniorage Fee		1	101.70	101.70
	Total Cost per Cum			Rs.-	~~2216.20~~ 2053.84

Doba
1.9.2020
J.E.

07/09/2020
A.E

07/09/2020
E.E

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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 Ghorasahan Road me Bishrahiya to Pipra

(A)For Road

1. Damage Location Chainage:-
2. Damage Length:- 85 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:- 85 M

23/12/2020

Executive Engineer
R.W.D. (W) Div.^{n}
Raxaul

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