GOVERNMENT OF BIHAR FDR (2020-21)



Name of Road- Masaurha Chainpur Path Hasanpur to Banjarha Tak	Length-1.305 Km
Estimated Cost- Rs.:- 66,600.00	Block- Dhaka

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

F.D.R (2020-21)

तकनीकी प्रतिवेदन

पथ का नाम :- म सीदा -चीनपुर पथ हसनपुर से वनजरहा तक प्रखंड का नाम :- राका पथ की लम्बाई:- 1.305 कि मी० शिर्ष :- শावकलित राशि:- र. ६६,६००,०० अनुरक्षण अवधि :- न्डनन्दर

प्रस्तुत प्राक्कलन समिद्रान्ने एक ट्यन्पुर दि में अतिवृष्टि / वाढ़ वनजार्श तक से क्षितग्रस्त पथाशों में यातायात पुर्नस्थापन हेतु तैयार किया गया है जिसकी प्राक्कलित राशि मो० ६६ ६००-०० रू० 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। प्राक्कलन में दिये गये दर वर्त्तमान अनूसूचित दर के अनुरूप है।

कनीय अभियंता ग्रामीण कार्य विमाग कार्य प्रशाखा, ढाका। क्रामिक सहाय अभियंता ग्रामीण कार्य विभाग कार्य अवर प्रमंडल, ढ़ाका

कार्यपालक अभियंता ग्रमीण कार्य विभाग कार्य प्रमण्डल, ढाका

Estimate for Restoration work of Road from Masaurha Chainpur Path Hasanpur to Banjarha Tak for the year 2020-21 in Dhaka Block.

Length:- 1.305 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	M³	32.44	2053.84	66627.00
			Total=	Rs.	66,627.00
				Say Rs.	66,600.00

JE.

91470 07/09/120 AE. 07/092020 EE.

TAILS is accorded for Rs. 66, 600 = 0	A F	CA
crore lacs Six by Six housand		
Six hundred) only		
Aun To		
S.E. (R.W.D.)		
works Circle		
Motihari		

BRICK BATS PITCHING MANUAL MEANS

6.6.1	Labour for laying dry graded Jhama Khoa	or stone	filter under B	rick Pitching	or Boulder
WRD	Pitching in slope or apron including ligh	nt rammir	ng etc. all con	iplete as pe	r approved
Bihar	design, specification and direction of E/I.				
	Unit :- Per Cum				
	Taking Output = 2.832 Cum				
	Unskilled Mazdoor	Vos.	3	287.00	861.00
	Add 6% Overhead Charges				51.66
	Rate for 2.832 Cum				912.66
	Rate per Cum (Rs.) -				-383.1 5
.4 RCD	Cost of Haulage Excluding Loading and Ur				
	Haulage of materials by Tractor excluding	cost of loa	ding, unloading	and stacking	<u>.</u>
	Unit = t.km				
	Taking output 3.60 tonnes load and lead 1	0 km = 36	.0 t.km		
	(i) Surfaced Road				
	Speed with load : 15 km / hour.				
	Speed while Returning empty :25 km / ho	ur.			
	a) Machinery.				
	Tractor 3.6 tonne capacity				
	Time taken for onward haulage with load		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 = $(a+b+c)/36$				17.2
	Say Rs				17.2
	(ii) Hannefeerd Consoled Book	-			
	(ii) Unsurfaced Graveled Road Speed with load: 12 km / hour			-	
	Speed for empty return trip :20 km / hou	1			
		ır T			
	a) Machinery				
	Tractor 3.6 tonnes capacity				
	Time taken for onward haulage with loa		0.83		457.4
	Time taken for empty return trip hour 0.	.5 hour	0.50	549.10	274.5
	b) Overhead charges @ 0.06 on (a)		1.		43.9
	Cost for 36 t .km = a+b+c 840.34				775.8
	Rate per t.Km = $(a+b+c)/36$ 23.34				21.
	Say Rs				21.

C. Ramming as per WRD SOR 6.6.1 (with OH) Total (A+B+C) -	
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 iii) Maneuvering, reversing, dumping and turning for return O Min O Min 1 Min 1 Min 2 Min O Min O Min O Min Total a) Labour Mate day 0.03 305.00 9.15 Mazdoor for loading and unloading day 0.72 287.00 206.64 D) Machinery Front end-loader 1 cum bucket capacity @ 25 cum/hour 0.083 1403.00 116.45 23.23 Atto.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 Add overhed Charges 6% 6% 61.02 Total Unsurface Lead KM 7 Unsurface Lead KM 1 Factor (3.67.25) (Lic×1×21.55)+182.39 C. Ramming as per WRD SOR 6.6.1 (with OH) 7 7 7 7 7 7 7 7 7 7 7 7 7	
Unit = cum Taking output = 2.25 cum Time required for 1) Positioning of Tractor at loading point 1 Min 1	
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Time required for i) Positioning of Tractor at loading point ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour iii) Maneuvering, reversing, dumping and turning for return iv) Waiting time, unforeseen contingencies etc Total Add overhead charges O Min a) Labour Mate − day 0.03 305.00 9.15 Mazdoor for loading and unloading b) Machinery Tractor 3.60 tonnes capacity Pront end-loader 1 cum bucket capacity @ 25 cum/hour c) Overhead charges @ 0.06 on (a+b) Cost for 2.25 cum = a+b+c+d Rate per cum = (a+b+c+d)/2.25 Note:- Unloading will be done manually. 1. Suplying for Brick Bats (with OH) A. Basic Rate of Brick Bats Add overhed Charges Total Surface Lead Unsurface Lead Unsurface Lead Factor (3.6/2.25) C. Ramming as per WRD SOR 6.6.1 (with OH) Add 12% GST (A+B+C) Add 10% Labour Cess (A+B+C) Add 12% GST (A+B+C) Add 10% cost of Material for Seigniorage Fee Total Cost-ger Cum	
i) Positioning of Tractor at loading point ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour iii) Maneuvering, reversing, dumping and turning for return iv) Waiting time, unforeseen contingencies etc Total a) Labour Mate	
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iii) Maneuvering, reversing, dumping and turning for return iv) Waiting time, unforeseen contingencies etc Contingencies	
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iv) Waiting time, unforeseen contingencies etc	
Contingencies etc	
a) Labour Mate	
Mate	
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 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 1078.02 Surface Lead KM 7 Unsurface Lead KM 1 Factor (3.6/2.25) Cum 1.60 B. Carriage (with OH)	
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 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. 1017.00 1. Suplying for Brick Bats (with OH) 1017.00 Ad overhed Charges 6% 61.02 Total - 1078.02 Surface Lead KM 7 Unsurface Lead KM 7 Unsurface Lead KM 1 Factor (3.6/2.25) Cum 1.60 B. Carriage (with OH)	
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Add 1% Labour Cess (A+B+C) Add 12% GST (A+B+C) Add 10% cost of Material for Seigniorage Fee 1 101.70 Total Cost per Cum	327,27
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Add 12% GST (A+B+C)	1727-56
Add 10% cost of Material for Seigniorage Fee 1 101.70 101.70 Total Cost per Cum	17727
Total Cost per Cum	207-31
Rs 2216.20 2.9.2020 Stutes	2053-84
7 0	2033-09
07/09/2000	
H.C.	

Inspection Report for Flood Damage Works:-

Date:-

- 1. Name of PIUs:- Executive Engineer. R.W.D. (W) Div. Dhaka
- 2. Name of Block:- Dhaka
- 3. Name of Road: Masaurha chainpur Path Hasanpur to Banjarka Tak.

(A)For Road

- 1. Damage Location Chainage:-
- 2. Damage Length:- 587
- 3. Name of Damage: Road damaged dow to Flord.
- 4. Details of Restoration Work:-
 - (i) Material being used in Restoration works:- Brick buts
 - (ii) Equipments Tools being used in restoration works:-
 - (iii) Procedure take up in restoration works:- Departmental
 - (iv) Restored Length:- 58 M

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