



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FDR

PLAN HEAD FDR(2245) (2020-2021)



MOTRABLE OF ROAD FROM GOLA BAZAR SE DAMODARPUR BHAGBATI STHAN MANPUR RAMESHWAR RAI KE GHAR HOTE HUE BARBATT TA DHALA TAK

DISTRICT	:-	Saran	
DIVISION	:-	Sonpur	
BLOCK	:-	Sonpur	
TOTAL LENGTH OF ROAD	:-	4.000	KM
TOTAL COST OF CONSTRUCTION	:-	7.753	Lac
TOTAL COST OF PROJECT	:-	7.753	Lac

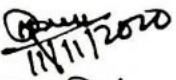
FDR(2020-2021)

प्रतिवेदन

प्रमंडल का नाम :- ग्रामीण कार्य विभाग कार्य प्रमंडल सोनपुर
पथ का नाम :- गोला बाज़ार से दामोदरपुर भगवती स्थान मानपुर रामेश्वर राय
के घर होते हुए बरबट्टा ढाला तक
पथ की लम्बाई :- 4.000 Km.
प्राक्कलित राशि :- 775262 रु
प्रखंड :- सोनपुर
जिला :- सारण

प्रस्तुत प्राक्कलन सारण जिला अंतर्गत सोनपुर प्रखंड के गोला बाज़ार से दामोदरपुर भगवती स्थान मानपुर रामेश्वर राय के घर होते हुए बरबट्टा ढाला तक पथ बाढ़ से क्षतिग्रस्त (F.D.R.) पथांश का यातायात पुनस्थापन (Motorable) कार्य तैयार किया गया है। इस वर्ष अचानक अत्यधिक बाढ़ आने के कारण पथ के CH-0 m से 1000 m तक में जगह-जगह होने के कारण आवागमन बाधित हो गया, तत्काल पथ मरम्मत हेतु पथांश में Brick Bats भरकर कटाव से बचाव का कार्य करते हुए यातायात को पुनस्थापित किया गया है।

पथ मरम्मत कार्य का प्राक्कलन वर्तमान अनुसूची दर पर ही तैयार किया गया है प्राक्कलन की स्वीकृति अपेक्षित है।


कनीय अभियंता

सहायक अभियंता


कार्यपालक अभियंता

FDR

GENERAL ABSTRACT OF COST

Block:- Sonpur

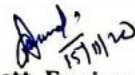
District:- Saran

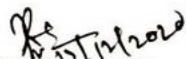
Length of Road:-- 4.000 KM

Name of Road:-- Motrable of Road From Gola Bazar Se Damodarpur Bhagbati Sthan Manpur
Rameshwar Rai Ke Ghar Hote Hue Barbatta Dhala Tak

SL. No.	Item of Work	Amount
A	TOTAL COST	: 7.753 Lacs
	TOTAL	: 7.753 Lacs


Junior Engineer


Asstt. Engineer


Executive Engineer

T/A Approved for Rs-7.753 Lacs

SE
RWD


S.E. Chandra

Name Of Road :-			Motrable of Road From Gola Bazar Se Damodarpur Bhagbati Sthan Manpur Rameshwar Rai Ke Ghar Hote Hue Barbatta Dhala Tak			Block :-	Sonpur	DISTRICT:-	Saran	LENGTH :-	4.000 KM.
Sl. No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1	8.1.3.2		BRICK BATS								
	(iii)		Providing brick bats including spreading laying, Labour for dry graded jhama khoa folter under Brick Pitching or boulder pitching in slope or apron including light ramming etc. All complete job as per approved design specification and direction of E/I, including carriage cost of bricks.								
				Cum	1.00	30.00	1.500	0.50	120.00		
				Cum	1.00	150.00	3.750	0.50	120.00		
				Cum	5.00	10.00	0.6	0.50	120.00		
									360.00	2,153.51	7,75,262.00
									TOTAL COST IN RS.=		7,75,262.00

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EE
RWD

Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
6.6.1 WRD Bihar	Labour for dry graded jhama khoa folter 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 Charge				51.66
	Rate for 2.832 Cum				912.66
	Rate Per Cum(Rs.)=				322.27
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) Surface Road				
	Speed With load :15 km / hour.				
	a)Machinery.				
	Tractor 3.6 tonnes 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)/36				621.04
	Say RS.-				17.25
	ii) Unsurface Gravel 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 0.50	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)/3623.34				21.55
	Say RS.-				21.55

1.1 RCD	Loading and Unloading of Stone Boulder / Stone aggregate / sand / kanker / Moorum				
	Placing Tractor at loading point, loading with frontloader, dumping, turnig for return trip, excluding for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of Tracter at loading Point		1 Min		
	ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turnig for return		0 Min		
	iv) Wating time, unforeseen Contingencies etc.		0 Min		
	Total		6 Min		
	a) Labour				
	Mate				
	Mazdoor for loading and unloading	Day	0.03	305.00	9.15
	b) Machinery	Day	0.72	287.00	206.64
	Tractor 3.60 tonnes capacity	hour	0.10	549.10	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	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
	Cost for 2.25 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 overhead Charges 6%		0.06		61.02
	Total-				1078.02
	Surface Lead	km	7.00		
	Unsurface Lead	km	1.00		
	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	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				322.27
	Total (A+B+C)-				1810.36
	Add 1% Labour Cess (A+B+C)				18.10
	Add 12% GST(A+B+C)				217.24
	Add 10% cost of Material for seigniorage Fee		1.00	107.80	107.80
			Rs:-		2153.51
	Total Cost per Cum				

1.1 RCD	Loading and Unloading of Stone Boulder / Stoneaggregate / sand / kanker / Moorum				
	Placing Tractor at loading point, loading with frontloader,dumping, turnig for return trip,excluding for haulage and return trip.				
	Unit = cum				
	Taking output = 2.25 cum				
	Time required for				
	i) Positioning of Tracter at loading Point		1 Min		
	ii) Loading by front end loader 1cum bucket @ capacity 25 cum per hour		5 Min		
	iii) Maneuvering, reverse, dumping and turnig for return		0 Min		
	iv) Wating 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	0.10	549.10	54.91
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	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
	Cost for 2.25 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 overhead Charges 6%		0.06		61.02
	Total-				1078.02
	Surface Lead	km	7.00		
	Unsurface Lead	km	1.00		
	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	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				322.27
	Total (A+B+C)-				1810.36
	Add 1% Labour Cess (A+B+C)				18.10
	Add 12% GST(A+B+C)				217.24
	Add 10% cost of Material for seigniorage Fee		1.00	107.80	107.80
	Total Cost per Cum		Rs:-		2153.51

Inspection Report for flood damage work

Date :

1. Name of PIUs : *Akhilish Kumar*

2. Name of Block/Road : *Sompur - Gola Bazar Damodarpur Bhagwati*
Sthan Manpur Rameshwar Rai Ke ghar state huse
Bar Batta Bhola Tak

(A) For Road

1. Damage Location/Chainage : *0 to 1000 M*

2. Damage Length : *230 M*

3. Nature of Damage : *Road cut off*

4. Details of Restoration :

(i) Material being used in Restoration : *Brick bats*

(ii) Equipment/Tools being used in Restoration works : *Tractor*

(iii) Procedure taken up in Restoration works : *Brick bats fill up*

(iv) Restored Length : *230 M*

(B) For Bridge

1. Damage Location/Chainage : *x*

2. Damage Length : *x*

3. Nature of Damage : *x*

4. Details of Restoration : *x*

(i) Material being used in Restoration : *x*

(ii) Equipment/Tools being used in Restoration works : *x*

(iii) Procedure taken up in Restoration works : *x*

(iv) Restored Length : *x*

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(Name of Inspector)