



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From Baidhyanath Singh Pokhrai Ke Ghar Ke Pas PMGSY Se Ramagya Singh Ke Ghar Hote Hue Taraiya Panapur Tak		
DISTRICT	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	2.050	KM	
ESTIMATED COST	17.667	Lac	

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs - *EE RWD WORKS DIVISION Marhaura*
2. Name of Block/Road - *prolongable of Road from, Baichyarnath Singh*
- A. For Road *Pokharna ke Uhar ke Pas PNB 54 se Ramganga Singh ke Uhar Hote Hue Terrain 4 Annapur tak*
1. Damage Location/Chainage : *0.300, 0.600, 0.650, 0.660, 0.685, 0.746, 0.766*
2. Damage Length : *0.800, 0.830, 1.100, 1.200,*
3. Nature of Damage : *Flood*
4. Details of Restoration Works :
- i. Material being used in Restoration works : *Brick Bats and sand*
- ii. Equipments/Tools being used in Restoration works: *J.C.B, Tractor, Trally, Roller*
- iii. Procedure taken up in Restoration works :
- iv. Restored Length : *286 m*

B. For Bridge

1. Damage Location/Chainage :
2. Damage Length :
3. Nature of Damage :
4. Details of Restoration Works :
- i. Material being used in Restoration works :
- ii. Equipments/Tools being used in Restoration works:
- iii. Procedure taken up in Restoration works :
- iv. Restored Length :

C. Requirement of new CD/Bridge

- i. Name of Road :
- ii. Location/Chainage :
- iii. Type of CD work/Length required :

- Upload one Photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode.

9/12/2020
Signature of JE/AE/EE

9/12/2020
Signature

(Name of Inspector)

प्रतिवेदन

कार्य का नाम :- Motorable of Road from Bairdhyanath Singh Pokhrai
के नगर से पास पन्सु से रामग्या सिंह के
शीर्ष :- FDR Ghar Hote Hue Taraiya Panapur Tak
प्राक्कलित राशि:- 17.667 Lac
प्रखण्ड का नाम:- Taraiya जिला-सारण।

प्राक्कलित राशि:- 17.667 Lac

प्रखण्ड का नाम:- Taraiya 9

प्रस्तुत प्राक्कलन शीर्ष PMGSY/MMGSY/GTSNY/NABARD/MR-3054 अर्तगत निर्मित/निर्माणाधीन पथ के गत महीने में इस जिला में आये बाढ़/अतिवृष्टि के कारण क्षतिग्रस्त हुए पथों को चलने लायक (Motarable) बनाने हेतु विभागीय दिशा-निर्देशानुसार कार्यपालक अभियंता, ग्रा0का0वि0, कार्य प्रमंडल मढ़ौरा के दिशा-निर्देशन में कुल रु017.667 Lacs..... के लिए तैयार किया गया है।

आवश्यकतानुसार तत्काल प्रभाव से पथों को चलने लायक बनाने हेतु प्राक्कलन में Bricks Bats, Sand Bag, Hume-Pipe इत्यादी का प्रावधान आवश्यक लम्बाई, चौड़ाई एवं मोटाई में प्राक्कलन के अनुसार प्रावधान किया गया है।

योजना एवं कार्य की महत्ता के साथ-साथ जनहित के लिए अतिउपयोगी प्राक्कलन को कार्यहित में स्वीकृति हेतु प्रस्तुत किया जा रहा है।

4.12.2020
B2

~~04.12.2010~~
A-E

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मढौरा।

FDR

GENERAL ABSTRACT OF COST

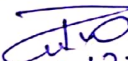
Block:- Taraiya

District:- Saran

Length of Road:- 2.050 KM

Name of Road:- Motorable of Road From Baidhyanath Singh Pokhraiya Ke Ghar Ke Pas PMGSY Se Ramagya Singh Ke Ghar Hote Hue Taraiya Panapur Tak

SL. No.	Amount
A ESTIMATED COST	17.667 Lacs
TOTAL	17.667 Lacs


4.12.2020
Junior Engineer

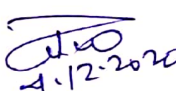

31.12.20
Asstt. Engineer


Executive Engineer

T.A for R.S. 17.667 Lacs (Seventeen lacs Sixty six thousand Seven hundred and six)

SE
RWD


31.12.20
अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-		Motorable of Road From Baldhyanath Singh Pokhrailra Ke Ghar Ke Pas PMGSY Se Ramagya Singh Ke Ghar Hote Hue Taralya Panapur Tak		Block:-	Taralya
Sl. No.	Description	UNIT	QUANTITY	RATE	AMOUNT (in Rs.)
1	Providing Brick Bats 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.				
	Quantity As Per Annexure-1	CUM	820.40	2153.51	1766735.79
				TOTAL COST =	17,66,735.79
 JE RWD  AE RWD  EE RWD					

ANNEXTURE-1

Motorable of Road From Baidhyanath Singh Pokhraila Ke Ghar
Name Of Road :- Ke Pas PMGSY Se Ramagya Singh Ke Ghar Hote Hue Taraiya
Panapur Tak

Block:- Taraiya

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
	1st Time Flood						
1	CH- 300 M	1	2.00	2.00	0.60	CUM	2.40 m3
2	CH- 300 M	1	3.00	1.00	1.00	CUM	3.00 m3
3	CH- 600 M	1	5.00	1.50	1.00	CUM	7.50 m3
4	CH- 650 M	1	45.00	1.00	1.00	CUM	45.00 m3
5	CH- 660 To 685 M	1	25.00	1.00	1.00	CUM	25.00 m3
6	CH- 725 To 745 M	1	20.00	1.00	1.00	CUM	20.00 m3
7	CH- 746 To 766 M	1	20.00	5.00	1.00	CUM	100.00 m3
8	CH- 766 To 796 M	1	30.00	5.00	2.00	CUM	300.00 m3
9	CH- 800 To 830 M	1	30.00	0.75	0.60	CUM	13.50 m3
10	CH- 1100 M	2	2.00	2.00	1.00	CUM	8.00 m3
11	CH- 1200 M	1	3.00	5.00	1.00	CUM	15.00 m3
	2nd Time Flood						
1	CH- 650 M	1	25.00	1.00	1.00	CUM	25.00 m3
2	CH- 660 To 685 M	1	25.00	1.00	1.00	CUM	25.00 m3
3	CH- 725 To 746 M	1	21.00	1.00	1.00	CUM	21.00 m3
4	CH- 766 To 796 M	1	30.00	5.00	1.40	CUM	210.00 m3
TOTAL QUANTITY =							820.40 m3

[Signature]
4.12.2020
JE
RWD

[Signature]
04.12.20
RWD

[Signature]
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)				
	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