ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Works Division-Marhaura

FDR

(2020-2021)

NAME OF WORK	Motorable of Road From SH-73 Patti Pachraur To Bhagwatpur Middle School Hote Huye Nepal Singh Uchh Vidyalaya Tak.		
DISTRIC	Saran		
BLOCK	Taraiya		
LENGTH OF ROAD	6.530	KM	
ESTIMATED COST	3.446	Lac	

प्रतिवेदन

कार्य का नाम :– *motorable of Road From SH-72 patti pachraur To Bhagwatpur middle school Hote Huye Nepal Singh Uchh vidyalaya Talk*

शीर्ष :– FDR

प्राक्कलित राशिः– *3.446 Lac*

प्रखण्ड का नामः– *Tarariya*   जिला–सारण।

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 रु0 ...*3.446 Lac*... 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।

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

4.12.2020
62

04.12.2020
A.E

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs – *EE RWD WORKS DIVISION Mashaura*

2. Name of Block/Road – *proterable of Road from SH-78 palti pachraur to bhagwatpur middle school hote huye Nepul Singh Uchh vidyalaya Tak*

A. For Road

1. Damage Location/Chainage   : *0.200*
2. Damage Length   : *55 m*
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, Trolly Roker*
   - iii. Procedure taken up in Restoration works :
   - iv. Restored Length   :

B. For Bridge

1. Damage Location/Chainage   : *0.200*
2. Damage Length   : *55 m*
3. Nature of Damage   : *Flood*
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.

Signature of JE/AE/EE

Signature

(Name of Inspector)

FDR

GENERAL ABSTRACT OF COST

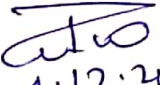**Block:--** Taraiya   **Distric:-** Saran

Length of Road:--   6.530 KM

Name of Road:--   Motorable of Road From SH-73 Patti Pachraur To Bhagwatpur Middle School Hote Huye Nepal Singh Uchh Vidyalaya Tak.

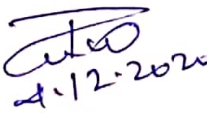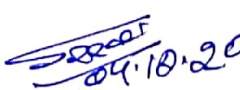| SL. No.		Amount
A	ESTIMATED COST :	3.446 Lacs
	TOTAL :	**3.446 Lacs**

4.12.2020

Junior Engineer   **Asstt. Engineer**   **Executive Engineer**

T.A for Rs. 3.446 Lacs (Three lacs fourty four thousand six hundred only)

SE
RWD 31.12.20

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, छपरा

Name Of Road :-	Motorable of Road From SH-7 Patti Pachraur To Bhagwatpur Middle School Hote Huye Nepal Singh Uchh Vidyalaya Tak.			Block:-	Taraiya
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 directionof E/I,including carriage cost of bricks.				
	Quantity As Per Annexture-1	CUM	160.00	2153.51	344560.86
			TOTAL COST =		**3,44,560.86**

4.12.2020
JE
RWD

04.10.20
AE
RWD

EE
RWD

ANNEXTURE-1

Name Of Road :-	Motorable of Road From SH-03 Patti Pachraur To Bhagwatpur Middle School Hote Huye Nepal Singh Uchh Vidyalaya Tak.						Block:- Taraiya

Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)	HEIGHT (m)	UNIT	QUANTITY
1	CH- 200 m	1	50.00	2.00	1.00	CUM	100.00 m3
1	CH- 200 m	1	5.00	6.00	2.00	CUM	60.00 m3
						TOTAL QUANTITY =	160.00 m3

JE
RWD

AE
RWD
24.12.20

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 directionof E/I.				
	Unit:-Per Cum				
	Taking Output =2.832 Cum				
	Unskilled Mazdoor				
	Add 6% Overhead Charge	Nos.	3	287.00	861.00
	Rate for 2.832 Cum				51.66
	Rate Per Cum(Rs.)=				912.66
					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 / 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