

अधीक्षण अभियन्ता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल, छपरा।

पत्रांक: 1778/2021

छपरा, दिनांक 17-12-2021

प्रेषक,

अधीक्षण अभियन्ता,
ग्रामीण कार्य विभाग,
कार्य अंचल, छपरा।

सेवा में,

मुख्य अभियन्ता-4,
ग्रामीण कार्य विभाग,
बिहार, पटना।

विषय :-

वित्तीय वर्ष 2021-22 में बाढ़ से क्षतिग्रस्त पथों को मोटरेबुल किये गये प्राक्कलन को तकनीकी स्वीकृति उपरान्त समर्पित करने के संबंध में।

प्रसंग :-

कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मढ़ौरा के पत्रांक 2582 अनु0 दिनांक 17.12.2021

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में वित्तीय वर्ष 2021-22 में बाढ़ से क्षतिग्रस्त 05 (पाँच) अदद पथों का प्राक्कलन तकनीकी स्वीकृति के उपरान्त समर्पित किया जा रहा है। जो निम्नलिखित है :-

क्र० सं०	प्रखंड का नाम	पथ का नाम	पथ की लम्बाई (कि०मी०)	प्राक्कलित राशि (लाख में)
1	Taraiya	Pachraur to Yakuchak Path.	4.480	10.79400
2		Sitalpur to Rajwara Path.	5.510	21.63100
3	Mashrakh	Gopalwarl to Gangauli Path.	2.300	12.17500
4		SH-73 Se Bahrauli to Bahrauli Kumhar Toli Tak.	0.975	2.70500
5	Panapur	Turki to Bhorha Via Mohammadpur	2.200	12.86700

अनु०:- DPR एक-एक प्रति में।

विश्वासभाजन

अधीक्षण अभियन्ता,
ग्रामीण कार्य विभाग,
कार्य अंचल, छपरा।

मायन



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FDR

PLAN HEAD FDR(2245)
(2021-2022)



ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGE BY FLOOD) FOR
MOTARABLE WORK IN TURKI TO BHORHA VIA MOHAMMADPUR

DISTRICT	:-	Saran	
DIVISION	:-	Marhaura	
BLOCK	:-	Panapur	
TOTAL LENGTH OF ROAD	:-	2.200	KM
EFFECTIVE LENGTH OF ROAD	:-	0.230	KM
TOTAL COST OF CONSTRUCTION	:-	12.867	Lac
TOTAL COST OF PROJECT	:-	12.867	Lac

Inspection Report for Flood damage work

Date:

1. Name of PUs: Executive Engineer, RWD Marhaura

2. Name of Block/Road: Panapur, Turki to bhorka via Mohammadpur

A. For Road

1. Damage Location/Chainage : 0 to 2200

2. Damage Length : 0.230 Km

3. Nature of Damage : Surface cutting

4. Details of Restoration :

i Material being used in Restoration - Brick bat :

ii Equipment/Tools being used in Restoration works: Tractor, Roller

iii Procedure taken up in Restoration works : Brick bat filling

iv Restored Length : 0.230 Km

B. For Bridge

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

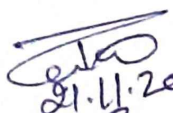
4. Details of Restoration :

i Material being used in Restoration :

ii Equipment/Tools being used in Restoration works:

iii Procedure taken up in Restoration works :

iv Restored Length :


21.11.2024

Signature of JE/AE/EE


Executive Engineer
Rural Works Department
Works Division, Marhaura

'S'


Signature
25/11/2024

(Name of Inspector)

प्रतिवेदन

प्रदत्त प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमण्य-
मर्दोरा के अन्तर्गत प्रखण्ड पानापुर के तुर्की से मोरहा
भाया महम्मदपुर पथ में मोरहा कार्य का प्राक्कलन
कार्यपालक अभियंता, कार्य प्र०-मर्दोरा के द्वारा दिये गये
निर्देशानुसार तैयार किया गया है। कार्य का प्राक्कलित
राशि 12.867 लाख रुपये मात्र है।

पथ की ल० - 2.200 कि०मी०, सतियस्रभाग की ल० - 0.230 कि०मी०।
यह पथ पानापुर बजाट से निकलकर मोहम्मदपुर
हीरे हुए मोरहा तक जाती है तथा महत्वपूर्ण पथ है।

इस पथ में बाह सवें अतिवृष्टि के कारण Road Wash
काफी सतियस्र हो गया था। इस कारण लोगों की आवागमन
में काफी कठिनाई हो रही थी। इस पथ को तत्काल
मोहम्मदपुर कयने हेतु स्थानीय सौख्य महीदय द्वारा भी
अनुरोध किया गया था। साथ ही अपीकरण अभियंता, कार्य
के द्वारा भी निरीक्षण किया गया। निरीक्षण के दौरान
दिये गये निर्देश के आलोक में पथ में ठोस
छिन्न से गड्ढे को भरकर मोहम्मदपुर किया गया है।

मोहम्मदपुर कार्य का प्राक्कलन तैयार कर
आवश्यक कारवाई एवं स्वीकृति हेतु समर्पित किया
जा रहा है।

5.11.21

क० अ०
पानापुर

5.11.21
क० अ०
पानापुर

क० अ०
कार्य प्र०-मर्दोरा

FDR

GENERAL ABSTRACT OF COST

Block:- Panapur

District:- Saran

Length of Road:--

2.200 KM

Name of Road:--

Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work
in Turki To Bhorha Via Mohammadpur

SL. No.	Item of Work	Amount
A	TOTAL COST	: 12.867 Lacs
	TOTAL	: 12.867 Lacs


5.11.2021
Junior Engineer


05/11/21
Asstt. Engineer


Executive Engineer

T/S. for Rs. 12,86,700/- (Rupees twelve lakhs.
Eighty six thousand seven hundred) only.
RWD


17/12/21
Superintending Engineer
Rural (Works) Deptt.
Works Circle, Chapra

ANNEXTURE-1

Name Of Road : Estimate for Repair of Road Breaches (Damage By Flood) For
Motorable Work In Turki To Bhorha Via Mohammadpur

Block:- Panapur

Sl. No	Description	Nos.	LENGTH (m)	WIDTH (m)Av.	HEIGHT (m)Av.	UNIT	QUANTITY
1	CH-200 M	1	15.00	4.50	0.45	CUM	33.75 m3
2	CH-240 M	1	10.00	4.20	0.45	CUM	18.90 m3
3	CH-325 M	1	23.00	5.00	0.45	CUM	51.75 m3
4	CH-360 M	1	25.00	5.00	0.45	CUM	56.25 m3
5	CH-415 M	1	22.00	(5.5+6+7.3) /3	0.75	CUM	103.40 m3
6	CH-750 M	1	8.50	4.50	0.45	CUM	17.21 m3
7	CH-770 M	1	3.50	4.50	0.45	CUM	7.09 m3
8	"	1	5.50	2.50	0.45	CUM	6.19 m3
9	CH-800 M	1	9.00	5.00	0.50	CUM	22.50 m3
10	CH-830 M	1	13.20	4.50	0.45	CUM	26.73 m3
11	CH-860 M	1	51.00	4.50	0.45	CUM	103.28 m3
12	CH-890 M	1	6.00	2.50	0.45	CUM	6.75 m3
13	"	1	24.00	4.50	0.45	CUM	48.60 m3
14	CH-910 M	1	13.00	4.50	0.45	CUM	26.33 m3
TOTAL QUANTITY FOR BRICK BATS=							528.72 m3

[Signature]
5-11-2021

JE
RWD

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05/11/21

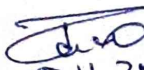
AE
RWD

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RWD

ANNEXTURE-2

Name Of Road :- Estimate for Repair of Road Breaches (Damage By Flood) For Motorable Work In Turki To Bhorba Via Mohammadpur							Block:- Panapur
Sl. No.	Description	Nos.	LENGTH (m)	WIDTH (m)Av.	HEIGHT (m)	UNIT	QUANTITY
1	CH-200 M	1	15.00	4.50	0.10	CUM	7.50 m3
2	CH-240 M	1	10.00	4.20	0.10	CUM	4.20 m3
3	CH-325 M	1	23.00	5.00	0.10	CUM	11.50 m3
4	CH-360 M	1	25.00	5.00	0.10	CUM	12.50 m3
5	CH-415 M	1	22.00	(5.5+6+7.3)/3	0.10	CUM	13.79 m3
6	CH-750 M	1	8.50	4.50	0.10	CUM	3.83 m3
7	CH-770 M	1	3.50	4.50	0.10	CUM	1.58 m3
8	"	1	5.50	2.50	0.10	CUM	1.38 m3
9	CH-800 M	1	9.00	5.00	0.10	CUM	4.50 m3
10	CH-830 M	1	13.20	4.50	0.10	CUM	5.94 m3
11	CH-860 M	1	51.00	4.50	0.10	CUM	22.95 m3
12	CH-890 M	1	6.00	2.50	0.10	CUM	1.50 m3
13	"	1	24.00	4.50	0.10	CUM	10.80 m3
14	CH-910 M	1	13.00	4.50	0.10	CUM	5.85 m3
TOTAL QUANTITY FOR LOCAL SAND =							107.80 m3


5.11.2021
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Brick Bats Pitching Manual Means

Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	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				
	Add 6% Overhead Charge	Nos.	3	304.00	912.00
	Rate for 2.832 Cum				54.72
	Rate Per Cum(Rs.)=				966.72
					341.36
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	652.00	434.88
	Time Taken For empty return trip	hour	0.400	652.00	260.80
	b) Overhead Charges @0.06 on (a)				41.74
	Cost for 36 t km=(a+b+c)/36				737.43
	Say RS.-				20.48
	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	652.00	543.12
	Time Taken For empty return trip 0.50	hour	0.500	652.00	326.00
	b) Overhead Charges @0.06 on (a)				52.15
	Cost for 36 t km=(a+b+c)/840.34				921.26
	Rate per t.km = (a+b+c)/3623.34				25.59
	Say RS.-				25.59

1.1 RCD	Loading and Unloading of Stone Boulder / Stone aggregate / sand / kanker / Moorum				
	Placing Tractor at loading point, loading with front loader, dumping, turning for return trip, 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		1 Min		
	iii) Maneuvering, reverse, dumping and turning for return		5 Min		
	iv) Waiting time, unforeseen Contingencies etc.		0 Min		
	Total		0 Min		
	a) Labour		6 Min		
	Mate				
	Mazdoor for loading and unloading	Day	0.03	316.00	9.48
	b) Machinery	Day	0.72	304.00	218.88
	Tractor 3.60 tonnes capacity	hour	0.10	652.00	65.20
	Front end loader 1 cum bucket capacity @ 25 cum/hour	hour	0.08	#####	265.68
	c) Overhead charges @ 0.06 on (a+b)				33.55
	Cost for 2.25 cum = a+b+c+d				592.80
	Cost for 2.25 cum = (a+b+c+d)/2.25				263.47
Note-	Unloading will be done manually.				
1	Supplying for Brick Bats (With OH)				
A	Basic Rate of Brick Bats	Per Cum	#####		1006.00
	Add overhead Charges 6%		0.06		60.36
	Total-				1066.36
	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 20.48) + (1.6 x 1 x 25.59) + 263.47				533.83
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				
	Total (A+B+C)-				1941.55
	Add 1% Labour Cess (A+B+C)				19.42
	Add 12% GST (A+B+C)				232.99
	Add 10% cost of Material for seigniorage Fee		1.00	106.64	106.64
	Total Cost per Cum		Rs:-		2300.58

Name of Road:-- Estimate for Repair of Road Breaches (Damage By Flood) For Motarable Work in Turki To Bhorha Via Mohammadpur
District:- Saran
Block:- Panapur

SI No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloading Cost	Carriage Cost by Rail Head	Total	Min Total
				Pucka / Surface	Katcha					
3	Local Sand	Cum	Local	$\frac{8.00}{4.99} \times 10.10 \times 2.00 \text{ Km} = \text{Rs } 32.38$	$\frac{8.00}{4.99} \times 24.30 \times 1.00 \text{ Km} = \text{Rs } 38.96$		113.67			Rs 185.01

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Analysis of Rates (FORMAT F8)

11.2	600	Filling and Spreading Local Sand Over Brick Bats As Per Drawing and Technical Specification Clause 305.3.9				
	1	Fine Sand Filling				
		Unit = cum				
	a)	Labour				
		Mate				
		Mazdoor Unskilled	day	0.01	310.00	3.10
	b)	Material	day	0.30	304.00	91.20
		Sand assuming 20% voids				
	c)	Overheads @6 % on (a+b)	day	1.20	141.75	170.10
	d)	Contractor's profit @ 10% on (a+b+c)				15.86
		Rate per cum = a+b+c+d				28.03
		Carriage cost:-				308.29
		Fine Sand	nos.	1.20	185.01	222.01
		Cost per cum including Carriage				530.30
		Labour cess 1%				5.30
		GST 12%				63.64
		Seignorage 10%				53.03
		TOTAL COST	cum			652.27