

अधीक्षण अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल, मोतिहारी

पत्रांक 1675 (अनु०) मोतिहारी, दिनांक 29/11/2024

प्रेषक:-

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल मोतिहारी

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल मोतिहारी।

विषय :-

कार्य प्रमंडल मोतिहारी के अधीन बाढ़ से क्षतिग्रस्त पथों के पुर्नस्थापन हेतु डी०पी०आर० के तकनीकी अनुमोदनोपरान्त वापस करने के सम्बन्ध में।

प्रसंग :-

आपका पत्रांक-2701 अनु० दिनांक-28.11.2024

महाशय,

उपर्युक्त विषयक प्रासांगिक पत्र द्वारा प्राप्त कार्य प्रमंडल प्रमंडल मोतिहारी के अधीन बाढ़ से क्षतिग्रस्त पथों के पुर्नस्थापन हेतु निम्नलिखित पथों का डी०पी०आर० तकनीकी अनुमोदनोपरान्त अग्रेतर कार्रवाई हेतु संलग्न कर वापस किया जाता है।

क्र.सं	पथ का नाम	लम्बाई (कि०मी०में)	पुरीक्षित तकनीकी अनुमोदन की राशि (लाख में)
1	Jatwa Link Route No.-23 to Janerwa 59	8.60	31.462
2	Motihari Chhauradano PWD Road Pirauli Mor to Jhitkahiya	13.00	18.256

अनु०- यथोक्त।

विश्वासभाजन

(Signature)
29/11/24

अधीक्षण अभियंता

ग्रामीण कार्य विभाग,

कार्य अंचल, मोतिहारी

(Signature)
29/11/24

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल मोतिहारी।

दिनांक 28.11.2024

पत्रांक 2701 (अनु.)

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल मोतिहारी।

सेवा में,

अधीक्षण अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, मोतिहारी।

विषय:-

बाढ़ से क्षतिग्रस्त पथों के पुनर्स्थापन हेतु डी0पी0आर0 के तकनीकी अनुमोदन के संबंध में।

प्रसंग:-

विभागीय पत्रांक मु0अ0-7 (नि0एवं गु0) FDR-09-03/2024 1999 दिनांक 04.06.2024

महाशय

उपर्युक्त विषयक प्रासंगिक पत्र के अनुपालन के क्रम में निम्नांकित पथों को पुनर्स्थापन हेतु डी0पी0आर0 तैयार कर तकनीकी अनुमोदन हेतु समर्पित की जा रही है।

क्रमांक	प्रमंडल	प्रखंड	पथ का नाम	लम्बाई (कि0मी0)	पुनर्स्थापन लम्बाई (कि0मी0)	राशि (लाख में)
1	Motihari	Banjariya	Jatwa Link Route No- 23 to Janerwa 59	8.60	0.059	31.462
2	Motihari	Motihari	Motihari Chhauradano PWD Road Pirauli Mor to Jhitkahiya	13.00	0.177	18.256

अनु0यथोक्त।

विश्वासभाजन,


28/11/24

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



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

PLAN HEAD- FDR YEAR 2024

DISTRICT :- East Champaran

BLOCK :- Banjariya

Scheme Head - PMGSY (Under Maintenance)

Estimate for Repair of Road breaches
(Damaged by Flood) for Motorability in Jatwa
Link Route No. 23 To Janerwa(59)

LENGTH OF ROAD (in Km)- 8.6 KM
DAMAGED LENGTH (in Km)- 0.059 KM

ESTIMATED COST -	31.462	Lacs
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SUBMITTED BY:
EXECUTIVE ENGINEER,
RWD WORKS DIVISION,
MOTIHARI

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- E.E, Motihari

Name of Block/Road :- Bangaria / Jatra Link Route No-23 To Janerwa (59)

A. For Road

1. Damage Location/Chainage :- 8.30 km

2. Damage Length :- 58.90 M

3. Nature of Damage (Length Wise) (i) Breach :- ☒ 58.90M
(ii) Crust Damage :- ☐ x
(iii) Only Flank Damage :- ☐ x

whether traffic fully/Partialy obstructed :-

4. Details of Restoration :-

(i) Material Being Used in Restoration :- Bricks Bats, sand bags

(ii) Equipment/Tools Being Used in Restoration Works :- JCB, Tractor

(iii) Restored Length
In open Area :- open Area
In habitation Area :- x

(iv) If Restoration work done in habitation Area give Reason :-

B. For Bridge (Size of Bridge/Culvert)

(1) Damage Location/Chainage :-

(2) No. of Span Damage :-

(3) Length of Span :-

(4) Nature of Damage (Pier/Abutment/
Wing Wall/Approach Road Damage) :-

(5) Details of Restoration :-

(i) Material Being Used in Restoration :-

(ii) Equipment/Tools Being Used in Restoration Works :-

(iii) Restored Length :-

Overall Grade of Restoration work (Satisfactory/Unsatisfactory) :- Satisfactory

J. Kumar

25/11/24
J.P. 27/11/24

28/11/24
AC

28/11/24
AB

Signature of Inspector
Engineer
Rural Works Department
Works Division, Chakiya

Technical Report

F.D.R.(2024-25)

Name of Road:- Jadwa Link Route no 23 to Janerwa (59)
Length of Road:- 8.6 km
Name of Block:- Bangariya
Project Head:- PMAS (Under Maintenance)
Package No:-
Estimated Cost:- 31.462 Lacs

This estimate has been prepared for temporary restoration of the above road damaged due to heavy rain/ Flood - 2024 under instruction of Rural Works Department vide letter no- 1999 dated. 04.06.2024. Brick Bats/ Local Sand Bag / Hume Pipe / Bamboo Pile / Soil has been provided as per need of the above damaged road. This road is under Maintenance / out of maintenance / Work in Progress.

All items of this estimate has been taken from approved current schedule rate of works circle Motihari. This estimate is submitted for technical approval /Sanction.


27/11/24
J.E.


27/11/24
A.E.


27/11/24

E.E.
R.W.D.(w) Div. Motihari

Inspection Report For Flood Damage Report

- Date**
- 1 **Name of PIUs** : Work Division MOTIHARI
- 2 **Name of Block/ Road** : Banjariya/ Jatwa Link Route No. 23 to Janerwa(59)
- A For Road** : Road
- 1 **Damage Location/ Chainage** :
- 2 **Damage Length** : 59 M
- 3 **Nature of Damage** : Breaches Due Flood of water cross away to road and the road portion
- 4 **Details of Restoration Works** : Brick bats filling in Breaches part of road. Filled with brick bats & Local Sand for motorable Work.
- i **Material being used in Restoration works** : Brick bats , Local Sand
- ii **Equipments/ Tools being used in Restoration works** : JCB, Tractor, Roller etc..
- iii **Procedure taken up in Restoration works** : As per SOP
- iv **Restored Length** : 59 M
- B For Bridge** : NA
- 1 **Damage Location/ Chainage** : NA
- 2 **Damage Length** : NA
- 3 **Nature of Damage** : NA
- 4 **Details of Restoration Works** : NA
- i **Material being used in Restoration works** : NA
- ii **Equipments/ Tools being used in Restoration works** : NA
- iii **Procedure taken up in Restoration works** : NA
- iv **Restored Length** : NA

Signature of


27-11-2024
JE


27/11/24
/ AE


27/11/24
/ EE

Signature

Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in Jatwa Link Route No. 23 To Janerwa(59)

Name of Work - FDR

Sl No.	Item No.	Name of Item	unit	No	Length	Height	Qty.	Rate	Amount
1		Local Sand Filling in trenches, transporting to site, spreading, grading and compacting to meet requirement as per specification and direction of E/L.	cum		As Per Appendix I		958.600	454.31	435501.57
2		Providing and Labour for laying dry graded Brick Bats including light ramming etc. all complete as per approved design, specification and direction of E/L.	cum		As Per Appendix II		1040.410	1984.70	2064901.73
3		Providing and Labour for cutting 62 mm to 75 dia Bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/L.	RM		As Per Appendix IV		0.000	60.25	0.00
		Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails etc. complete job as per specification and direction of E/L.	RM		As Per Appendix IV		0.000	29.99	0.00
5		Providing and laying 1000 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonry.	RM		0 Nos*2.5m		0.000	8306.28	0.00
TOTAL (in Re.)									2500403.29

27-11-2024

Junior Engineer,
Rural Works Department,
Works Section, Banjariya

27/11/24

Assistant Engineer,
Rural Works Department,
Works Sub Division, Banjariya

27/11/24

Executive Engineer,
Rural Works Department,
Works Division, MOTIHARI

GENERAL ABSTRACT OF COST

ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR
MOTORIBILITY IN JATWA LINK ROUTE NO. 23 TO JANERWA(59)

DISTRICT - East Champaran

BLOCK - Banjariya

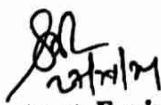
DIVISION - MOTIHARI

LENGTH OF ROAD (In Km)- 8.600 KM

Scheme Head - PMGSY (Under Maintenance)

SL. No.	Item of Work	Amount
1	SAND FILLING	4.355 Lacs
2	BRICK BATS	20.649 Lacs
3	SAND BAGS	0.000 Lacs
4	BAMBOOS PILING AND RUNNER	0.000 Lacs
5	HUME PIPE	0.000 Lacs
A	COST OF RESTORATION	25.004 Lacs
B	ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST	1.409 Lacs
C	ADD LABOUR CESS @ 1% ON "A"	0.250 Lacs
D	ADD GST @ 18% ON "A + B + C"	4.799 Lacs
	TOTAL COST OF RESTORATION OF ROAD	31.462 Lacs


27-11-2024
J.E.
Junior Engineer

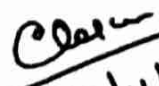

27/11/24
Asstt. Engineer


27/11/24
Executive Engineer

T.A./T.S. is accorded for Rs. 31.462.00

(X) crore Thirty one Lacs and Six thousand

and hundred (X) only


29/11/2024
S.E. (R.W.D.)
works Circle
Motihari

29/11/24

SEIGNIORAGE FEE CALCULATION SHEET

Item description	unit	Quantity of Consuming Item	Materials Required/ Unit	Unit	Quantity/ Unit	Total Quantity Required	Rate	Amount	Seigniorage Fee (Rs)	Final Amount (Rs)
Sand Filling	Cum	958.60	Earth	Cum	1.2	1150.32	145.87	167797.18	16779.72	16779.72
Brick bats	Cum	1040.41	Brick bats	Cum	1.2	1248.49	994.00	1241001.04	124100.10	124100.10
Sand Bags	per bag	0.00	sand	Cum	0.034	0.00	145.87	0.00	0.00	0.00
1000 MM Dia	RM	0.00	Sand at site	Cum	0.04	0.00	0.00	0.00	0.00	0.00
600 MM Dia	RM	0.00	Sand at site	Cum	0.0032	0.00	0.00	0.00	0.00	0.00
Total Amount of seigniorage fee in construction (Rs)										140879.82

S
23-11-2024
S-E

882
24/11/24
AE

Gaut
23/11/24

Name of Work:-

**Estimate for Repair of Road breaches (Damaged by Flood) for Motorability
In Jatwa Link Route No. 23 To Janerwa(59)**

Appendix - I

Measurement for surfacing the Breach with Sand Filling

Sl. No.	Chainage	Nos	Length (M)	Width (M)	Thickness (M)	Quantity (cum)
1	Chainage Ist	1	58.90	7.75 Av.	2.10 Av.	958.60
2	630 to 660	# D	30.00	1.58 Av.	0.58 Av.	0.00
3	224 to 244	# D	20.00	1.60 Av.	0.50 Av.	0.00
4	800 to 858	# D	58.00	1.64 Av.	0.40 Av.	0.00
			Total			958.60
	Deduction for ONos old 1000 mm HP at 0 m ($3.142 \times 0.36 \times 0$)					0.00
	Deduction for ONos old 600 mm HP at 0 m ($3.142 \times 0.22 \times 0$)					0.00
	Net Quantity of Earth Work -					958.60


27-11-2024
Junior Engineer


Assistant Engineer


27/11/24
Executive Engineer

Name of Work :-

Estimate for Repair of Road breaches (Damaged by Flood) for
Motorability in Jatwa Link Route No. 23 To Janerwa(59)

Appendix - II

Measurement for surfacing the Breach with Brick Bats

Sl. No.	Chainage	Nos	Length (M)	Av. Width (M)	Thickness (M)	Quantity (cum)
1	Chainage 1st	1	58.90	3.45 Av.	5.12 Av.	1040.41
As per detailed measurement mention in Measurement Book .			Total			1040.41
Net Quantity of Brick Bats						1040.41


27-11-2024
Junior Engineer


27/11/24
Asistant Engineer


27/11/24
Executive Engineer

11.2 **Local Sand Filling in trenches, transporting to site, spreading, grading and compacting to meet requirement of Tables 300.1 and 300.2 with a lead as per Technical Specification & direction of E.I.**

I. Sand filling

Unit = cum

a) Labour

Mate	day	0.01	395.00	3.95
Mazdoor (Unskilled)	day	0.30	395.00	118.50

b) Material

Local Sand (with Carriage)	cum	1.00	331.86	331.86
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Rate per cum = a+b (Fine Sand with Carriage)

454.31

BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	Labour for laying dry graded Jhama Khoa or stone filter 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	395.00	1185.00
	Rate for 2.832 Cum				1185.00
	Rate per Cum (Rs.) -				418.43
1.	Suplying for Brick Bats (without Seigniorage Fee)				
A.	Brick Bats with Carriage	Per Cum		1566.27	1566.27
B.	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1				418.43
	Total (A+B) -				1984.70
	Total Cost per Cum			Rs.-	1984.70

RWD WORK DIVISION , ~~CHITRA~~ MOTIHARI

Sr. No.	Material	Specifications	Unit	Quantity/ Unit	Basic Rate	Basic Rate for/Unit	Carriage Rate	Rate with Carriage
1	Empty Cement Bags		EACH	1	3.53	3.53	0.00	3.53
2	Bamboos	i) 75 mm dia, 6m to 8m long ii) 100mm dia, 6m to 8m long iii) 50mm dia, Hill Bamboos	RM	1	23.52	23.52	0.00	23.52
3	Brickbats	at Site	RM	1	23.52	23.52	0.00	23.52
4	Local Sand	at Site	CUM	1.2	994.00	1,192.80	0.00	23.52
5	Kiln Rubbish	at Site	CUM	1.2	145.87	175.04	0.00	1,566.27
6	Humus Pipe (NP3) 600mm Dia	at Site	CUM	1.2	1569.00	1,882.80	156.82	331.86
7	Humus Pipe (NP3) 1000mm Dia	at Site	RM	1	2510.02	2,510.02	176.82	2,120.59
8	Boulders	Minimum size of 300 mm for Pitching at Site	RM	1	5949.27	5,949.27	437.23	2,686.84
9	Granular Sub base Material Grading-II	Well graded Granular Base Material - Grading B at Site	CUM	1.2	694.61	833.53	1910.95	2,744.48
10	Stone Metal Aggregates Gr-II	26.5 mm to 9.5 mm @ 35 % 9.5 mm to 2.36 mm @ 25 % 2.36 mm below @ 40 % Aggregated Site Grading 2 63 mm to 4.5 mm @ 0.91 cum per 10 sqm for compacted thickness of 75 mm.	CUM CUM CUM CUM	0.42 0.3 0.48 1.21	913.48 434.45 266.62 1,005.81	383.66 130.34 127.98 1,217.03	1625.40 1625.40 1625.40 1625.40	2,009.06 1,755.74 1,753.38 2,842.43
11	Stone Metal Aggregates Gr-III	Aggregated Site Grading 3 53 mm to 22.4 mm @ 0.91 cum per 10 sqm for compacted thickness of 75 mm	CUM	1.21	1,115.24	1,349.44	1625.40	2,974.84
12	Screening Material Type-B	Stone Screening at Site i) Type B 11.2 mm for Grading 2 @ 0.20 cum per 10 sqm Binding Material @ 0.06 cum per 10 sqm for Grading 2 material ii) Binding Material @ 0.06 cum per 10 sqm for Grading 2 material iii) Type B 11.2 mm for Grading 3 @ 0.18 cum per 10 sqm	CUM CUM CUM	0.26669 0.08 0.24	434.45 162.88 434.45	115.86 13.03 104.27	1725.95 1234.22 1725.95	1,841.81 1,247.25 1,830.22
1	Unskilled Labour	engaged in Restoration Work During Flood	Wages per Day	1	395	395.00	0.00	395.00
2	Semi Skilled Labour	engaged in Restoration Work During Flood	Wages per Day	1	411	411.00	0.00	411.00
3	Skilled labour	engaged in Restoration Work During Flood	Wages per Day	1	500	500.00	0.00	500.00
4	Mason	engaged in Restoration Work During Flood	Wages per Day	1	474	474.00	0.00	474.00
5	Head mason	engaged in Restoration Work During Flood	Wages per Day	1	531	531.00	0.00	531.00
6	Bhusti	engaged in Restoration Work During Flood	Wages per Day	1	411	411.00	0.00	411.00
7	Carpenter	engaged in Restoration Work During Flood	Wages per Day	1	531	531.00	0.00	531.00
8	Head Carpenter	engaged in Restoration Work During Flood	Wages per Day	1	502	502.00	0.00	502.00
9	Night Guard	engaged in Restoration Work During Flood	Wages per Day	1	415	415.00	0.00	415.00
10	Electrician	engaged in Restoration Work During Flood	Wages per Day	1	502	502.00	0.00	502.00

Sl.	Description of Machine	Activity	Output of Machine	Output	Unit	Quantity/ Unit	Basic Rate for/	
1	Front End Loader 1.0 cum bucket capacity (JCB)	Soil Loading/Aggregate Loading	Cum/hour	60/25	Per Hour	1	2,108.00	0
2	8-10 Ton Smooth Wheeled Roller	Compaction/ Consolidation	Cum/hour	70/25	Per Hour	1	1,134.00	0
3	Tractor with Trolley	Transportation of Material	Cum	3 to 5 Ton	Ton/ Trip	1	688.00	0
4	Tipper	Transportation of Material		5.5	Ton/ Trip	1	1,441.00	0
5	Tractor with ripper	Transportation of Material		3 to 5 Ton	Ton/ Trip	1	709.00	0
6	Generator Set	Generation of Electrical energy	KVA	5	Per Hour	1	1,646.00	0



Handwritten signature
 27/11/24
 J.E

Handwritten signature
 27/11/24
 AE



Paul
 27/11/24
 J.E

Sal
 27/11/24
 AE