



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

PLAN HEAD- FDR YEAR 2021-22

DISTRICT :- WEST CHAMPARAN
BLOCK :- BHITAH

Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in PMGSY road To Baluhi Ansari tola

LENGTH OF ROAD (in Km)- 1.955 KM

ESTIMATED COST - 3.177 Lacs

SUBMITTED BY:
EXECUTIVE ENGINEER,
RWD WORKS DIVISION,
BAGHAHA-2

TECHNICAL REPORT

Name of Road :- PMGSY road to Baluk Ansari tolg

Name of Block:- Bhitaha

Name of Division:- Bagaha-2

Name of District:- West Champaran

Estimated Cost:- 3.177 Lacs

Restoration Length:- 0.045 km

This Estimate is prepared for Restoration of PMGSY road to Baluk
Ansari tolg

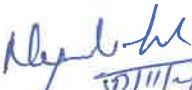
.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide,
ज्ञापक:- मु0अ0 -4 (मु 0) विविध (कार्य) 23 -60 /2020-1937 पटना, दिनांक 07.07.2021. Road remains effected
from flood about 01 to 02 weeks and heavy amount of water passed through it.


Honorable Chief Minister/Secretary, Rural Works Department, Bihar, Patna/D.M., West Champaran,
Bettiah/Concerned MP/MLA has instructed to maintain the traffic and movement of public etc. at the
earliest so that public of this area may get connected and for the same Departmental instruction has also
been issued to fill the gap made by flooded immediately.


The area surrounding is submerged in water and hence provision of earth and
brick batshas been made to
maintain the road damage due to flood/heavy rainfall as per availability of material from available place by
tractor. Presently there is no Contractor is employed for Construction and Maintenance of this road hence
the work has been carried out Departmentally and due to this, provision of Contractor profit is not
mentioned in the estimate.

In view of above, it is requested to approve the estimate amounting to Rs. 3.177 please.

Submitted for ~~Administrative~~ Technical Approval please.


Junior Engineer,
Bhitaha


Assistant Engineer,
Bhitaha


Executive Engineer
R.W.D.(W) Division, Bagaha-2

GENERAL ABSTRACT OF COST

ESTIMATE FOR REPAIR OF ROAD BREACHES (DAMAGED BY FLOOD) FOR
MOTORIBILITY IN PMGSY ROAD TO BALUHI ANSARI TOLA

DISTRICT - WEST CHAMPARAN

DIVISION - BAGAHA-2

BLOCK - BHITAH

LENGTH OF ROAD (in Km)- 1.955 KM

SL. No.	Item of Work	Amount
1	EARTH WORK	0.218 Lacs
2	BRICK BATS	2.404 Lacs
3	SAND BAGS	0.000 Lacs
4	BAMBOOS PILING AND RUNNER	0.000 Lacs
5	HUME PIPE	0.000 Lacs
	COST OF RESTORATION	2.622 Lacs
	ADD SEIGNIORAGE FEE @ 10% OF MATERIAL COST	0.214 Lacs
	ADD LABOUR CESS @ 1%	0.026 Lacs
	ADD GST @ 12%	0.315 Lacs
	TOTAL COST OF RESTORATION OF ROAD	3.177 Lacs

[Signature]
Junior Engineer

[Signature]
Asstt. Engineer

[Signature]
Executive Engineer

Technically Satisfactory
FA *accorded for Rs 3.177 lacs (Three lacs Seventeen thousand Seven hundred) only*

[Signature]
25/11/21
S.E.
R.W.D. (W) Circle
Bettiah

Name of Work:- Estimate for Repair of Road breaches (Damaged by Flood) for Motorability in PMGSY road To Baluhi Ansari tola

Head - FDR

SI No.	Item No.	Name of Item	unit	No	Length	Width	Height	Qty.	Rate	Amount
1		EARTH WORK - Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	cum		As Per Appendix I			162.00	134.33	21761.46
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/I.	cum		As Per Appendix II			112.200	2142.53	240391.87
3		Providing and and Labour for consolidation in Jhama metal by Road Roller in proper grade camber and super elevation dry and wet rolling including cost of running charge of roller diver and khalasi making and maintaining diversion light barrier - do - do- danger signal etc. all complete .	cum		As per Mesurment Sheet			0.000	1790.14	0.00
4		Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/I.	Nos.		As per Mesurment Sheet			0.000	19.67	0.00
5		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/I.	RM		As per Mesurment Sheet			0.000	47.61	0.00
6		Providing and Labour for fitting & fixing 62 mm to 75 dia Bamboo runners in position at every virtical 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/I.	RM		As per Mesurment Sheet			0.000	26.85	0.00
7		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	6478.89	0.00
8		Providing and laying 600 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	2702.48	0.00
TOTAL (in Re.)										262153.33



**Junior Engineer,
Rural Works Department,
Works Section, BHITAHA**



**Assistant Engineer,
Rural Works Department,
Works Sub Division, BHITAHA**



**Executive Engineer,
Rural Works Department,
Works Division, BAGAHA-2**

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)
Earth Work	Cum	162.00	Earth	Cum	1.0	162.00	34.82	5640.84	564.08	564.08
Brick bats	Cum	112.20	Brick bats	Cum	1.2	134.64	1549.51	208626.03	20862.60	20862.60
Sand Bags	per bag	0.00	sand	Cum	0.034	0.00	286.55	0.00	0.00	0.00
Total Amount of seigniorage fee in construction (RS)										21426.69

Report by
5/7/14

27/11.11.14

27/11.11.14

Name of Work:-

Estimate for Repair of Road breaches (Damaged by Flood) for Motorability
in PMGSY road To Baluhi Ansari tola


Appendix - I

Measurement for surfacing the Breach with EARTH WORK

Sl. No.	Chainage	Nos	Length (M)	Width (M)	Thickness (M)	Quantity (cum)
1		1	30.00	2.25 Av.	2.40 Av.	162.00
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
Total						162.00
Deduction for 0Nos old 1000 mm HP at 0 m ($3.142 \times 0.36 \times 0$)						0.00
Deduction for 0Nos old 600 mm HP at 0 m ($3.142 \times 0.22 \times 0$)						0.00
Net Quantity of Earth Work -						162.00


Junior Engineer


Asistant Engineer


Executive Engineer


Name of Work:-


Estimate for Repair of Road breaches (Damaged by Flood) for
Motorability in PMGSY road To Baluhi Ansari tola

Appendix - II

Measurement for surfacing the Breach with Brick Bats

Sl. No.	Chainage	Nos	Length (M)	Av. Width (M)	Thickness (M)	Quantity (cum)
1	1st km	3	5.00	4.00 Av.	0.35 Av.	21.00
2		1	3.00	2.00 Av.	0.40 Av.	2.40
3		1	4.00	2.00 Av.	0.40 Av.	3.20
4		1	2.00	2.00 Av.	0.40 Av.	1.60
5		1	30.00	2.00 Av.	1.40 Av.	84.00
6						
7						
8						
Total						112.20
Deduction for 0Nos old 1000 mm HP at 0 m ($3.142 \times 0.36 \times 0$)						0.00
Deduction for 0Nos old 600 mm HP at 0 m ($3.142 \times 0.22 \times 0$)						0.00
Net Quantity of Brick Bats						112.20


Junior Engineer


Asistant Engineer


Executive Engineer



अक्षांश: 25.909393
 देशांतर: 84.128115
 उंची: 124.73±16 m
 सटीकता: 3.9 m
 समय: 01-09-2021 15:27
 नोट: BALUHI TO ANSURT TOLA

Powered by GeoCue



अक्षांश: 26.909275
 देशांतर: 84.128165
 उंची: 127.36±13 m
 सटीकता: 10.1 m
 समय: 01-09-2021 15:28
 नोट: BALUHI TO ANSURT TOLA

Powered by GeoCue



Latitude: 26.914401
 Longitude: 84.126463
 Elevation: 123.63±28 m
 Accuracy: 7.9 m
 Time: 12-09-2021 10:11
 Note: P.M.G.S.V. ROAD TO BALUHI AND ANSURT TOLA

Report by
 02/11/2021

02/11/2021

02/11/2021

**कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-1**

पत्रांक...../ बगहा-1, दिनांक

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल बगहा-1

सेवा में,

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

विषय :- कार्य प्रमंडल बगहा-2 में वर्ष 2021 के बाढ़ में क्षतिग्रस्त पथों को मोटरेबुल कराने हेतु किये गये कार्यों की जाँच के संबंध में।

प्रसंग :- भवदीय पत्रांक 1325/बेतिया, दिनांक 14.11.2021 एवं अभियंता प्रमुख, ग्रामीण कार्य विभाग, बिहार पटना का पत्रांक-मु0अ0-4(मु0) विविध (कार्य)-23-291/2019-4589, दिनांक 13.11.2021

महाशय,

उपर्युक्त विषयक एवं प्रासंगिक पत्र के अनुपालन में कार्य प्रमंडल, बगहा-2 द्वारा उपलब्ध कराये गये मोटरेबुल पथों की सूची में अंकित पथों का अद्योहस्ताक्षरी द्वारा सहायक अभियंता के साथ निरीक्षण किया गया। निरीक्षण के दौरान कार्य प्रमंडल, बगहा-2 द्वारा प्रतिवेदित सभी पथों पर कार्य कराया गया है, एवं यातायात चालु है।

सादर सूचनार्थ एवं अग्रेत्तर कार्रवाई हेतु समर्पित।

अनु0- निरीक्षण किये गये पथों की सूची।

विश्वासभाजन

सहायक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, बगहा-1

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-1

ज्ञापांक 3233/बगहा-1, दिनांक 25.11.2021

प्रतिलिपि :- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-2 को सूचनार्थ सम्प्रेषित।

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-1

Road Detail of FDR 2021
Rural Works Division, Bagaha-2

Si. No.	Block	Road/Bridge Name	Road Length (In Km)	Damage Part Length During Flood	Estimated Amount (In Lac)
1	Bhitaha	Nawgawa Bridge - PP Tatbandh	6.000	0.050	4.99200
2	Bhitaha	MASZIDYATOLA - DIHIPAKARI	3.992	0.040	5.17800
3	Bhitaha	L029-Khairatola to santpatti (VR13)	2.183	0.040	6.88000
4	Bhitaha	Rehda Bazar to Chilvaniya	1.870	0.050	1.84100
5	Bhitaha	Pmgsy ROAD to Baluhi Ansari Tola	1.955	0.045	3.17700
6	Bhitaha	Pmgsy ROAD to Rupahi Sc Tola	1.975	0.080	14.04200
7	Bhitaha	Muradih P. P. Tatbandh Road to Ghusri Tola	0.280	0.035	4.00200
8	Bhitaha	Muradih Tatbandh Road to Rehri Nawka Tola	1.180	0.065	12.31600
9	Bhitaha	Karaihiya Basauli East tola to Karaihiya Basauli Bichla tola	0.700	0.110	14.13100
10	Madhubani	L044-Daunaha to murgahwa (VR29)	3.700	0.062	2.75700
11	Madhubani	L050-Barwa to Barwa Kharsal	1.450	0.075	3.89500
12	Madhubani	L066-Dahwa Madhubani PWD Road to Sohagi Barwa Mallah toli	5.973	0.110	0.99100
13	Madhubani	Madhua PMGSY Road to Nuniyapatti Barki Tola	1.210	0.035	1.59900
14	Madhubani	Mauvgaha PMGSY Road to Ghevarahiya Anusuchit Tola	0.965	0.048	2.95900
15	Madhubani	Tamkuha Brahmsthan to Tamkuha Dubey Tola	0.400	0.025	1.00200
16	Madhubani	Madhubani To Jolha Toli	0.690	0.040	7.82600
17	Madhubani	NONIYATOLA - NAWAKATOLA	4.760	0.050	0.23900
18	Piprasi	L022-Dahawa Madhubani P W D Road to bhagarawa (VR4)	1.625	0.040	3.17000
19	Piprasi	P.W.D Road to Bhaguva	2.365	0.035	6.43300
20	Piprasi	Lachhnahi South tola to Bisphatva tola	1.850	0.118	1.51100
21	Piprasi	Pipariya to Majhariya Khas	1.665	0.060	0.29100
22	Thakrahan	BELWARIPATTI - SISWANIA THAKARAHA ROAD	4.669	0.075	3.38900
23	Thakrahan	Thakraha Tola to Thakraha High School	1.165	0.085	4.08100
24	Thakrahan	PMGSY Road to Gadiyani Tola	0.730	0.055	1.07600
25	Thakrahan	L030-Harpur Tola to Puraina (VR10)	9.551	0.100	21.02600
26	Thakrahan	Nirmal Chaudhari Tola to Tar Tola	1.765	0.100	6.02800
27	Thakrahan	Nagina Yadav Tola to Khenar Tola	1.985	0.110	5.16000
28	Thakrahan	PWD Road to Motipur West Tola	1.870	0.215	15.09200
29	Thakrahan	Dom Tola to Thakraha Bajari tola	0.660	0.100	2.00300
30	Thakrahan	THAKARAHA - NAWAKA TOLA	2.334	0.050	5.08800
31	Thakrahan	Panchayat government bhavan to Shera tola	2.700	0.150	6.50200
Total			68.217	2.253	168.67700
32	Bhitaha	Betia jila antargat bhitaha prakhand ke rehara gram me khap tola jamunia ke bich tin feriya bhapsa ke najdik nala par uch astariye (3x18.75) pul nirman.		0.150	5.12000
Grand Total			68.217	2.403	173.79700