



Govt. of Bihar

R.W.D. WORKS CIRCLE, GAYA

*Detailed Estimate for
Flood Damage Repair of
T01 To Babhnaur.
(Temporary Restoration)*

Under- "3054-Repair"

Block - Narhat

District - Nawada

Estimated Cost - Rs. 17,46,200/-

Submitted By :-

Executive Engineer

R.W.D. Works Division,

RAJAUJI

प्रतिवेदन

जिला	:-	नवादा
कार्य प्रमण्डल का नाम	:-	रजौली
प्रखण्ड का नाम	:-	नरहट
कार्य का नाम	:-	Flood Damage Repair (Temporary Restoration) of T01 to Babhnaur Road
प्राक्कलित राशि	:-	17,46,200 (सत्रह लाख छियालीस हजार दो सौ)
मद	:-	FDR

Flood Damage Repair (Temporary Restoration) of T01 to Babhnaur Road
का प्राक्कलन कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल, रजौली के निर्देशानुसार तैयार किया गया है। कार्य प्रमण्डल रजौली अन्तर्गत नरहट प्रखण्ड के NH82 पर अवस्थित सेराज नगर से बभनौर जाने वाली पथ T01 से बभनौर के आरंभ से लगभग 80 मीटर पर धनारंजय नदी है, पूर्व में इस पथ में जिला परिषद् द्वारा **Box Culvert** बना था, जो बहुत पहले ही टूट गया था। सहभागिता एवं विभाग के सहयोग से बने डाइवर्सन पर बभनौर गाँव के लोग आवागमन करते थे।

2021 के जून माह में अतिवृष्टि (चकवात्) के कारण डाइवर्सन टूट गया था जिससे बभनौर और इससे सटा गाँव संपर्क विहीन हो गया था।

जिला पदाधिकारी, नवादा द्वारा दिये गये निर्देश के आलोक में Temporary Restoration का कार्य कराया गया, Temporary Restoration हेतु स्थल के आवश्यकतानुसार RCC Hume Pipe, Brick Bat एवं Sand Bag का उपयोग कर डाइवर्सन निर्माण कार्य कराया गया है, वर्तमान में आवागमन सुचारु है।

पुनः माह सितम्बर 2021 में चकवात् के कारण अतिवृष्टि में उपरोक्त डाइवर्सन पुनः क्षतिग्रस्त हो गया था जिसे भी पुनः पुर्नस्थापन कर आवागमन कर चालू करा दिया गया।

प्राक्कलन में प्राक्धानित मदों के दर विश्लेषण में ओवरहेड एवं संवेदक का लाभांश शामिल नहीं किया गया है।

डाइवर्सन के निर्माणार्थ हेतु कुल 17,46,200/- रुपये लागत आई है। कार्य हित एवं जन हित में प्राक्कलन की प्रावैधिक एवं प्रशासनिक स्वीकृति अपेक्षित है।


कनीय अभियंता
ग्रामीण कार्य विभाग


सहायक अभियंता
ग्रामीण कार्य विभाग


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, रजौली

ABSTRACT OF COST

Name of Road : Repair of Flood Damage in T01 To Babhnaur

Circle - Gaya

District - Nawada

Division - Rajauli

Block - Narhat

S.N.	DESCRIPTION	AMOUNT
	PART-A (RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD DUE TO YASS CYCLONE IN THE MONTH OF JUNE 2021)	
1	BRICK BAT'S	Rs 473166.00
2	HUME PIPE	Rs 670373.00
3	SAND BAG'S	Rs 71570.00
	SUB TOTAL	Rs 1215109.00
	LABOUR CESS @ 1 %	Rs 12151.00
	G.S.T. @ 12 %	Rs 145813.00
	SEIGNIORAGE FEE	Rs 38782.00
	TOTAL PART - A	Rs 1411855.00
	PART-B (RE-RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD in October-21 (GULAB CYCLONE)	
	BRICK BAT'S	Rs 270079.00
	SAND BAG'S	Rs 6841.00
	SUB TOTAL	Rs 276920.00
	LABOUR CESS @ 1 %	Rs 2769.00
	G.S.T. @ 12 %	Rs 33230.00
	SEIGNIORAGE FEE	Rs 21357.00
	TOTAL PART - B	Rs 334276.00
	TOTAL PART-A+ PART - B	Rs 1746131.00
	SAY -	Rs 1746200.00

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06/12/21
Executive Engineer
R.W.D., Works Division
Rajauli

Technically approved for B 17,46,200/-
(17) Seventeen lakh forty six thousand two hundred only

Suprintending Engineer
Rural Works Department
Works Circle, Gaya

personally technically sanctioned for Rs 1746200/-
(Rs seventeen lakh forty six thousand two hundred only)



Superintending Engineer
Rural Works Department
Works Circle, Gaya

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BEST ESTIMATE FOR RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD DUE TO YASS CYCLONE IN THE MONTH OF JUNE 2021

Name of Work T01 To Babhanaur Block - Narhat District - Nawada

Sl.No	Item's of Work										Qty		Rate	Unit	Amount		
1	2										3		4	5	6		
1	Providing laying, spreading and filling Brick Bat's in Flood damage area for making the road motarable as per specification and direction of E/I.																
		1	x	10.00	Mx	4.00	Mx	2.20	M=	88.00	Cum						
		1	x	15.00	Mx	4.00	Mx	2.25	M=	135.00	Cum						
		1	x	15.00	Mx	4.00	Mx	2.20	M=	132.00	Cum						
		15	Mx	4.0	Mx(	1.0	M+	0.60									
					M+	0.50	M)/3			42.00	Cum						
		1	x	28.00	Mx	4.00	Mx	0.30	M=	33.60	Cum						
										430.60	Cum						
	Less for Pipe	3.14	x	0.60	x	0.60	x(	5.00									
			M+	4.00	M)/2x	23				117.00	Cum						
										313.60	Cum	313.60	Cum	1,508.82	/Cum	Rs.	473166
2	Providing and laying reinforced cement concrete pipe NP3 culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, back filling, concrete and massonary works in head walls and parapets clause 1106.																
	1000 mm dia H.P.		2	x	23	x	2.50	M=	115.00	Cum							
										115.00	Cum	115.00	Cum	5,829.33	/Cum	Rs.	670373
3	Sand Bag's																
									3400	Nos							
									3400	Nos	3400.00	Nos	21.05	Each	Rs.	71570	
Total -																1215109	

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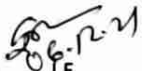
50/06/21
Executive Engineer
R.W.D., Works Division
Rajauli

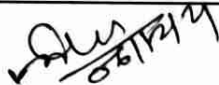
**COST ESTIMATE FOR RE-RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD In October-21
(CYCLONE)**

(GULAB

f Work T01 To Babhanaur Block - Narhat District - Nawada

Item's of Work										Qty	Rate	Unit	Amount
2										3	4	5	6
Providing laying, spreading and filling Brick Bat's in Flood damage area or making the road motarable as per specification and direction of E/I.													
	40	Mx	4.00	Mx(	1.90	M+	1.80	M)/2	296.00	Cum			
Less for Pipe	3.14	x	0.60	x	0.60	x(	5.00						
		M+	4.00	M)/2x	23				117.00	Cum			
										179.00	Cum	Rs.	1,508.82 /Cum
										Rs.			270079.00
Sand Bag's													
										325	Nos		
										325	Nos	Cum	Rs.
										21.05	/Cum	Rs.	6841.00
Total -													276920.00


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R.W.D.


Executive Engineer
R.W.D., Works Division
Rajauli

CALCULATION OF SEIGNOIRAGE FEE

Name of Road
 PART-A (RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD DUE TO YASS CYCLONE IN THE MONTH OF JUNE 2021)
 Block - Narhat
 Length of Road -

Sl. No.	SDB Sl. No.	MoRD Ref. No	Description	Unit	Quantity	Rate	Amount (Rs.)	Total Material Required	Material Amount	Seigniorage Fee @ 10 %
1			Providing laying, spreading and filling Brick Bat's in Flood damage area for making the road motarable as per specification and direction of E/I.							
			Unit - Cum							
			Material							
			Brick Bat	Cum	1.20	987.00	1184.40			
			Rate Per Cum = (a) =				1184.40			
			Total Cost =	Cum			1184.40	313.60	371427.84	37142.78
2	9.3	1100	Providing and laying RCC pipe NP3 for culverts on first class bedding of PCC M-10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works back filling, concrete and masonry works in head wall and parapets Clause 1106.							
			1000 mm dia							
			Unit - M (Taking Output = 7.50 M)							
		(a)	Material							
			Sand	Cum	0.04	0.00	0.00			
			Cost for 7.50 M = (a)				0.00			
			Rate per M = (a) / 7.50 =				0			
			Total Cost =	Cum			0.00	115.00	0.00	0.00
3			Sand Bags							
			Unit - Cum							
		(a)	Material							
			Fine Sand (Assuming 1.20 cft Sand in 1 bag)	Cft	1.20					
			Hence in 3400 bags	Cft	1.20	3400.00	4080.00			
				Cum	4080.00	35.315	115.53			
			Cost of Sand	Cum	115.53	141.85	16387.93			
			Cost for 7400 nos bags = (a) =				16387.93			
			Total Cost =	Cum			16387.93	3400.000	16387.93	1638.79
			Seigniorage Fee @ 10 % on Construction Material Cost :-							38781.57

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Executive Engineer
 R.W.D., Works Division
 Rajauli

CALCULATION OF SEIGNIOIRAGE FEE

PART-B (RESTORATION OF DIVERSION DAMAGED DUE TO FLOOD in October-21 (GULAB CYCLONE)

Name of Road

Block -

Narhat

Length of Road -

Sl. No.	SDB Sl. No.	MoRD Ref. No	Description	Unit	Quantity	Rate	Amount (Rs.)	(In	Total Material Required	Material Amount	Seigniorage Fee @ 10 %
1			Providing laying, spreading and filling Brick Bat's in Flood damage area for making the road motarable as per specification and direction of E/I.								
			Unit - Cum								
			Material								
			Brick Bat	Cum	1.20	987.00	1184.40				
			Rate Per Cum = (a) =				1184.40				
			Total Cost =	Cum			1184.40		179.00	212007.60	21200.76
3			Sand Bags								
			Unit - Cum								
		(a)	Material								
			Fine Sand (Assuming 1.20 cft Sand in 1 bag)	Cft	1.20						
			Hence in 325 bags	Cft	1.20	325.00	390.00				
				Cum	390.00	35.315	11.04				
			Cost of Sand	Cum	11.04	141.85	1566.02				
			Cost for 1000 nos bags = (a) =				1566.02				
			Total Cost =	Cum			1566.02			1566.02	156.60
			Seigniorage Fee @ 10 % on Construction Material Cost :-				1566.02			21357.36	

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Executive Engineer
R.W.D., Works Division
Rajauli

Providing laying, spreading and compacting of Brick Bat by kn 80-100 static roller as per Specification & direction of E/I.. (Rate Approved vide S.E., RWD, Works Circle No- 1120 Dt. 25.06.2021)					
Unit- Cum (Taking output - 3 00 cum.)					
a) Labour					
Semi-Skilled (As Mate)	day	0.48	304.00	145.92	Sl. - 14
Mazdoor (Skilled)	day	2.00	370.00	740.00	Sl. - 15
Mazdoor (Unskilled)	day	10.00	292.00	2920.00	Sl. - 13
				3805.92	
b) Machinery					
Three Wheel 80-100 kn Static Roller	hour	3.75	901.00	3378.75	Sl.-24
Water Tanker 6 kl capacity	hour	0.00		0.00	
				3378.75	
c) Material					
Aggregate					
Brick Bat with carriage (300 x 1.20 = 360.00)	cum	360.00	1237.39	445460.40	Sl. - 03
Water	kl	0.00	73.60	0.00	
				445460.40	
Cost for 300 cum = (a+b+c)				452645.07	
Rate per cum = (a+b+c) / 300				1508.82	

Empty Cement Bag with Local Sand. (Rate Approved vide S.E., RWD, Works Circle, Gaya No- 1120 Dt. 25.06.2021)					
Unit - Bag					
Labour for filling of Sand in Empty Cement Bag and placing in position	No	0.02	292.00	5.84	Sl. - 13
b) Material					
Cost of empty cement Bag (As per Approved Rate)	No	1.00	3.50	3.50	Sl. - 01
Rate of Sand with Carriage (Assuming 1.20 cft or 0.034 cum Sand in 1 bag)	cum	0.034	342.44	11.64	Sl. - 04
Add for Miscellaneous item's		L.S.		0.07	
Rate per Bag = (a+b)				21.05	

Supplying and labour for cutting 62 mm to 75 mm dia bamboo poles to size and making shoes as per specification and direction etc. complete job as per specification and direction of E/I.. (Rate Approved vide S.E., RWD, Works Circle, Gaya No- 1120 Dt. 25.06.2021)					
Unit - Per M (Taking Output - 140 m)					
Assuming (20 nos pile work 1.525 m deep) Total depth sunk- 20 x 1.525 = 30.50 m					
a) Labour					
Carpenter Gr-II	day	0.25	351.00	87.75	Sl. - 19
Mazdoor Unskilled (For Piling)	day	2.500	292.00	730.00	Sl. - 13
b) Material	/M	140.000	17.75	2485.00	Sl. - 02 (i)
Cost for 140 M				3302.75	
Rate Per M (a+b)/140				23.59	

Analysis of Rate

3	1100 B	Analysis of Rate for Providing and Laying Hume Pipe					
		Providing and laying reinforced cement concrete pipe NP4 culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, back filling, concrete and masonry works in head walls and parapets clause 1106. (Rate Approved vide S.E., RWD, Works Circle No- 1120 Dt. 25.06.2021)					
		Unit - M					
		Taking output = 7.50 m. (3 pipes of 2.5 0m length)					
		B - 600 mm dia					
		a) Labour					
		Semi-Skilled (As Mate)	Day	0.04	304.00	12.16	Sl. - 14
		Mazdoor (Unskilled)	Day	0.96	292.00	280.32	Sl. - 13
						292.48	
		b) Material					
		RCC pipe NP4/NP3 concrete pipe including carriage	m	7.50	2385.01	17887.58	Sl. - 06
						17887.58	
		Cost for 7.50 m (a+b+c+d)				18180.06	
		Rate per m (a+b+c+d) / 7.50				2424.01	
		B - 1000 mm dia					
		a) Labour					
		Semi Skilled (As Mate)	Day	0.09	304.00	27.36	Sl. - 14
		Mazdoor (Unskilled)	Day	2.00	292.00	584.00	Sl. - 13
						611.36	
		b) Material					
		RCC pipe NP4/NP3 concrete pipe with carriage	m	7.50	5747.82	43108.65	Sl. - 07
						43108.65	
		Cost for 7.50 m (a+b+c+d)				43720.01	
		Rate per m (a+b+c+d) / 7.50				5829.33	
		Sand Filling					
		Unit - Cum					
		a) Material					
		Sand Assuming 20 % for Voids	Cum	1.20	342.44	410.93	Sl. - 04
		b) Labour					
		Unskilled Labour	Day	0.30	292.00	87.60	Sl. - 13
		Rate per Cum (a+b)				498.53	

Reference to MORD Specifications	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Sand at site	cum	0.024	118.85	2.80
	Cement at site	t	0.018	5,156.00	92.81
	RCC pipe NP3 concrete pipe including collar at site	m	7.50	Input	#VALUE!
	c) Overheads @ 6 % on (a+b)				#VALUE!
	d) Contractor's profit @ 10% on (a+b+c)				#VALUE!
	Cost for 7.5 m = a+b+c+d				#VALUE!
	Rate per m = (a+b+c+d)/7.5				#VALUE!

Note: The labour rate for 600 mm dia Hume pipe may be derived from the rates for 750 dia by decreasing 20 per cent

1100 Providing and Laying Reinforced Cement Concrete Pipe NP4 as per design in Single Row

Providing and laying reinforced cement concrete pipe NP4 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.

Unit = m

Taking output = 7.5 m

(3 pipes of 2.5 m length each)

(A) — 1200 mm dia —

a) Labour					
Mate	day	0.14	272.00	38.08	
Mason (1st Class)	day	0.50	345.00	172.50	
Mazdoor (Unskilled)	day	3.00	257.00	771.00	
b) Material					
Sand at site	cum	0.05	118.85	5.84	
Cement at site	t	0.07	5,156.00	360.92	
RCC pipe NP4 pipe including collar at site	m	7.50	3,901.83	29,283.73	
c) Overheads @ 6 % on (a+b)				1,836.72	
d) Contractor's profit @ 10% on (a+b+c)				3,244.88	
Cost for 7.5 m = a+b+c+d				35,693.67	
Rate per m = (a+b+c+d)/7.5				4,759.16	

(B) — 1000 mm dia —

a) Labour					
Mate	day	0.09	272.00	24.48	
Mason (1st Class)	day	0.25	345.00	86.25	
Mazdoor (Unskilled)	day	2.00	257.00	514.00	
b) Material					
Sand at site	cum	0.04	116.85	4.67	
Cement at site	t	0.03	5,156.00	154.68	
RCC pipe NP4 concrete pipe including collar at site	m	7.50	2,744.50	20,583.75	
c) Overheads @ 6 % on (a+b)				1,282.07	
d) Contractor's profit @ 10% on (a+b+c)				2,264.99	
Cost for 7.5 m = a+b+c+d				24,914.89	
Rate per m = (a+b+c+d)/7.5				3,321.99	

(C) — 750 mm dia —

a) Labour					
Mate	day	0.05	272.00	13.60	
Mason (1st Class)	day	0.15	345.00	51.75	
Mazdoor (Unskilled)	day	1.20	257.00	308.40	
b) Material					
Sand at site	cum	0.024	116.85	2.80	
Cement at site	t	0.018	5,156.00	92.81	
RCC pipe NP4 concrete pipe including collar at site	m	7.50	Input	#VALUE!	
c) Overheads @ 6 % on (a+b)				#VALUE!	
d) Contractor's profit @ 10% on (a+b+c)				#VALUE!	
Cost for 7.5 m = a+b+c+d				#VALUE!	
Rate per m = (a+b+c+d)/7.5				#VALUE!	

Note: The labour rate for 600 mm dia Hume pipe may be derived from the rates for 750 dia by decreasing 20 per cent

1100 Providing and Laying Reinforced Cement Concrete Pipe NP3 as per Design in Double Row

Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets as per Clause 1106.

अलोक में दिनांक-25.06.2021 को संपन्न निविदा समिति की बैठक की कार्यवाही :-

Name of Division :- Rajauli

NIT No.- RWD/FDR/GAYA /01/2021-22

Date of Tender :-08-06-2021

प्रतिष्ठ - 1120 दि०- 25.06.2021

Name of Circle. -Gaya

S/N	Material/Labour/ Machine	Unit	M/s Kumar Const. At.-New Area, Nawada Rate quoted by Bidder -1	Sanjay Kumar, At.-Barauli Narhat, Nawada Rate quoted by Bidder -2	Remarks
1	Empty Cement Bags	Each	3.50	3.50	
2	Bamboos (i) 6 M (ii) 8 M	M	(i) 17.75 (ii) 18.95	(i) 17.75 (ii) 18.95	
3	Brickbats	Cum	1237.39	1237.39	
4	Local Sand	Cum	342.44	342.44	
5	Kiln Rubbish	Cum	1053.41	1053.41	
6	Hume Pipe (NP3) 600mm Dia	M	2385.01	2385.01	
7	Hume Pipe (NP3) 1000mm Dia	M	5747.82	5747.82	
8	Boulders	Cum	(i) 1370.63 (ii) 1370.63	(i) 1370.63 (ii) 1370.63	
9	Granular Sub base Material Grading-II	Cum	1404.12	1404.12	
10	Stone Metal Aggregates Gr-II	Cum	1490.61	1490.61	
11	Stone Metal Aggregates Gr-III	Cum	1440.03	1440.03	
12	Screening Material Type-B	Cum	1328.71	1328.71	
13	Unskilled Labour	Per day	292.00	292.00	
14	Semi Skilled Labour	Per day	304.00	304.00	
15	Skilled labour	Per day	370.00	370.00	
16	Mason	Per day	351.00	351.00	
17	Head mason	Per day	394.00	394.00	
18	Bhisti	Per day	292.00	292.00	
19	Carpenter	Per day	351.00	351.00	
20	Head Carpenter	Per day	394.00	394.00	
21	Night Guard	Per day	304.00	304.00	

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Sl. No.	ITEMS / LABOUR / MACHINERY	UNIT	Rate quoted by Bidder -1	Rate quoted by Bidder -2
22	Electrician	Per day	373.00	373.00
23	Front End Loader 1.0 cum bucket capacity (JCB)	Per Hour	1403.00	1403.00
24	8-10 Ton Smooth Wheeled Roller	Per Hour	901.00	901.00
25	Tractor with Trolley	Ton/ Trip	612.00	612.00
26	Tipper	Ton/ Trip	1183.00	1183.00
27	Tractor with Tipper	Ton/ Trip	1795.00	1795.00
28	Generator Set with fuel	Per Hour	304.00	304.00

इस निविदा में दो निविदकार (1) M/s Kumar Const. At.-New Area, Nawada, (2) Sanjay Kumar, At.-Barauli Narhat, Nawada ने भाग लिया था एवं दोनों निविदकार तकनीकी रूप से योग्य पाये गये थे।

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, रजौली के पत्रांक-1022 अनु0 दिनांक-18.06.2021 द्वारा संबंधित संवेदकों से प्राप्त दर वार्ता के आलोक में Financial Bid Evaluation Sheet के आधार पर (1) M/s Kumar Const. At.-New Area, Nawada, (2) Sanjay Kumar, At.-Barauli Narhat, Nawada निविदकारों द्वारा Item Wise Quoted Rate सामान है।

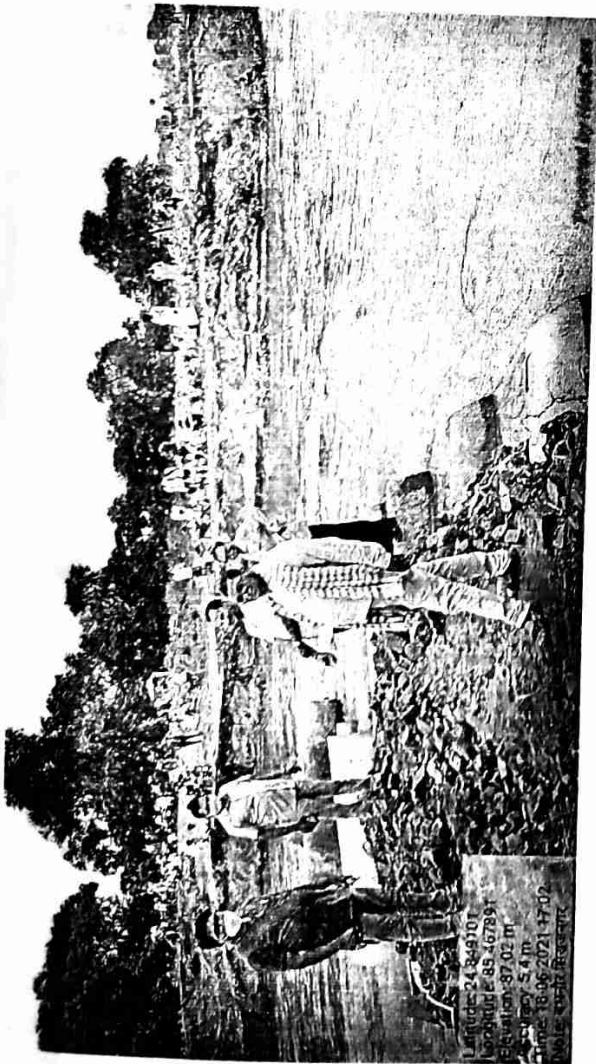
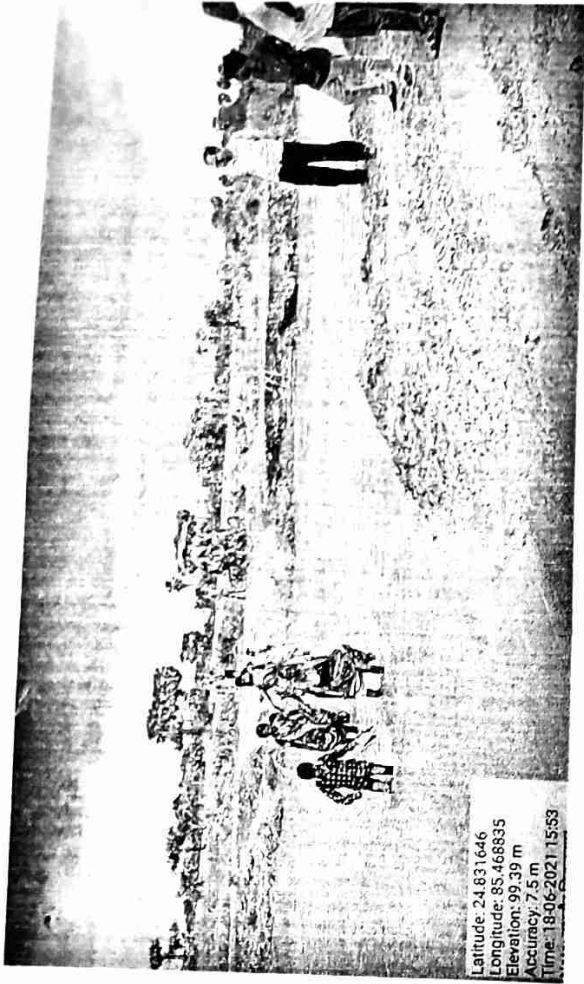
अतः विभिन्न सामग्रियों / Labour / Machinery के Supply हेतु (क्रमांक-5 Kiln Rubbish को छोड़कर) सुचीबद्ध किया जाता है।

25/6/2021
DAO
Barauli

25/6/21
EE
Barauli

25/6/2021
EE
Barauli

25/6/21
SEC



बाढ क्षतिग्रस्त पथों का अन्तर प्रमंडलीय जाँच प्रतिवेदन

1. निरीक्षी पदाधिकारी का नाम एवं पदनाम:— श्री घनश्याम पाठक पंकज, कार्यपालक अभियंता, ग्रामीण कार्य विभाग कार्य प्रमंडल—गया
2. निरीक्षण की तिथि :— 18.11.2021
3. पथ का नाम (शीर्ष के साथ) :— L037—T01 to Babhaur. (PMGSY)
4. पथ की लम्बाई :— 1.638 कि०मी०
5. कार्य प्रमंडल का नाम :— रजौली
6. प्रखंड का नाम :— नरहट
7. पथ की स्थिति :— अनुरक्षण अवधि से बाहर है।
8. पथ अनुरक्षण अवधि में है :— अनुरक्षण अवधि से बाहर है।
9. क्षतिग्रस्त भाग की लम्बाई :— 83.0 मी० (Diversion)
10. क्षतिग्रस्त भाग में कराये गये कार्य का विवरणी :— (i) Brick bat — 40 m x 4 m x 2.25m Avg
(लम्बाई चौड़ाई गहराई)
15m x 4m x 1m Avg
28m x 4m x 0.3 m Avg
(ii) Hume Pipe- 1000mm dia 46 Nos.
(iii) Sand Bag — 8,500 लगभग
11. Temporary Restoration में किस-किस समाग्रियों का उपयोग किया गया है, उसका विवरणी :— (i) Brick Bat (ii) Hume Pipe (iii) Sand Bag
12. अभियुक्ति :— जाँच के क्रम में उपस्थित कार्यपालक अभियंता द्वारा बताया गया कि अक्टूबर-2021 में गुलाब तुफान के कारण अतिवृष्टि में Diversion पुनः क्षतिग्रस्त हो गया था। जिसे MIS में दर्ज करते हुए Brick Bat- 40m x 4m x 1.9 mtr Avg एवं Sand Bag से पुनः Restore कर दिया गया। (Satisfactory)

Hanishank
18.11.21
J.E.
(Hanishank)
R.W.D. (W) Sin Gaya,

18/11/2021
निरीक्षी पदाधिकारी का हस्ताक्षर
पदनाम सहित