

GOVERNMENT OF BIHAR

UNDER FLOOD DAMAGE REPAIR

Estimate for Restoration of Traffic

DISTRICT :	WEST CHAMPARAN	BLOCK :	NARKATIAGANJ
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YEAR(2020-2021)

NAME OF ROAD :	POKHARIA TO SOMGARH
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TOTAL LENGTH	:	0.675	KMS	
COST OF PAVEMENT (RS.)	:	1520124.05		
TOTAL COST OF ROAD (RS.)	:	1520124.05		

SUBMITTED BY

Executive Engineer RWD

Works Division, Narkatiaganj

TECHNICAL REPORT

Name of Road :- POKHARIA TO SONGARH

Name of Block:- NARKATIYAGANJ

Name of Division:- NARKATIYAGANJ

Name of District:- WEST CHAMPARAN

Estimated Cost:- 15.20124 Lakh

Restoration Length:- 0.675 KM

This Estimate is prepared for Restoration of POKHARIA TO SONGARH

.....road under FDR as per the instruction of Secretary, Rural Works Department, Patna vide, झापांक:- मु0अ0 -4 (मु0) विविध (कार्य) 23 -40 /16-2254 पटना, दिनांक 30.06.2020. Road remains effected from flooded 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 Earthwork, Brick bat, Thana brick has 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. 15.20124 Lakh please.

Submitted for Technical Approval please.

BKumar
23/12/20
Junior Engineer,
Narkatiyaganj

23/12/2020
Assistant Engineer,
Narkatiyaganj

23/12/20
Executive Engineer
R.W.D.(W) Division, Narkatiyaganj

COST ESTIMATE FOR traffic Restoration

Name of Road: POKHARIA TO SOMGARH
District: WEST CHAMPARAN

Block: NARKATIAGANJ **Length:** 675.000 m
Cutting length 675 M

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
1	2.13. C	Removal of Hume pipe Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202..	0	0.00		0	0.00			
2		Providing and laying reinforced cement concrete pipe NP3 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					•			
							0.00	M	381.23	0.00
							0.00	M	4744.43	0.00
3	3.3	(B) EARTHWORK Construction of Embankment with Material Obtained from Roadway cutting Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5 excluding C.P.								
		As per measurement					579.538	Cum.	25.32	14673.89

Signature
25/12/2020
J.B

S. No.	SOR Item No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount
4	RCD	Placing Tractor at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip excluding C.P. including Carriage								
		As per measurement								
							579.538	cum	450.77	261239.92
5	RCD	Laying brick bats on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					421.275	cum	1703.77	717757.23
6	RCD	Laying Jhama metal on prepared soil surface as per Specification & direction of Engineer Incharge								
		As per measurement					140.75	cum	2106.67	296513.51
7	RCD(12.9)	Laying filled sand bag ,stitching and placing etc.all complete as per specification and direction of Engineer Incharge	0				0.00	per bag	24.59	0.00
		Total Road work								
		Say Rs. (Lac)								1290184.55
		Add GST @12%								1290184.55
		Add Labour Cess @1%								154822.15
		Add Seignrage Fee@10% of basic material rate								12901.85
		Total Cost of work								62215.51
										1520124.05

23/11/2020
E.E

23/12/2020
A.E.

23/12/2020
J.E

Technically approved for Amount ₹ 15,20,124.00 (Fifteen
lacs twenty thousand One hundred twenty four) Only.


31.12.22
Superintendent Engineer
Rural Works Department
Works Circle, Bettiah
Govt. of Bihar

27/12/22


Superintendent Engineer
Rural Works Department
Works Circle, Bettiah
Govt. of Bihar

Detailed Measurement(EARTHWORK)				
No	L(m)	W(m)	D(m)	Qty(cum)
1	30	$(1.0+1.2)/2$	$(1+1.3+1.5)/3$	41.800 ✓
2	15	$(1.5+2.0+2.5)/2$	$(0.900+0.700+0.300)/3$	57.000 ✓
3	20	$(1.5+1.8)/2$	$(0.600+0.300)/2$	44.550 ✓
3	10	$(1+1.25+1.5)/3$	$(0.75+1.0)/2$	32.813 ✓
10	5	$(0.5+1.0+1.5)/3$	$(0.3+0.45+0.6)/3$	22.500 ✓
1	25	$(1.0+2.0)/2$	$(1.0+1.5)/2$	46.875 ✓
4	60	$(0.5+1.0)/2$	$(0.3+0.6)/2$	81.000 ✓
1	40	$(2.0+2.5+3.0)/3$	$(15+2.0)/2$	175.000 ✓
2	30	$(1.2+1.8)/2$	$(0.5+1.0)/2$	67.500
1	10	$(1.5+2.0)/2$	$(0.5+0.7)/2$	10.500
TOTAL				579.538

Detailed Measurement(BRICKBAT)				
No	L(m)	W(m)	D(m)	Qty(cum)
1	30	$(3+4+5)/3$	$(0.5+0.75+1.0)/3$	90.000
2	15	$(1.5+2.0+2.5)/2$	$(0.900+0.600+0.300)/3$	57.000
2	20	$(2.5+2.8)/2$	$(0.600+0.300)/2$	47.700
1	10	$(2+2.5+3)/3$	$(0.75+1.0)/2$	65.625
6	6	$(0.5+1.0+1.5)/3$	$(0.3+0.45+0.6)/3$	16.200
TOTAL				276.525

Detailed Measurement(JHAMABRICK)				
No	L(m)	W(m)	D(m)	Qty(cum)
1	30	$(3+4+5)/3$	$(0.25+0.35+0.5)/3$	44.000
2	15	$(1.5+2.0+2.5)/2$	$(0.10+0.20+0.300)/3$	18.000
2	10	$(2+2.5+3)/3$	$(0.25+0.5)/2$	56.250
10	5	$(0.5+1.0+1.5)/3$	$(0.3+0.45+0.6)/3$	22.500
TOTAL				140.750

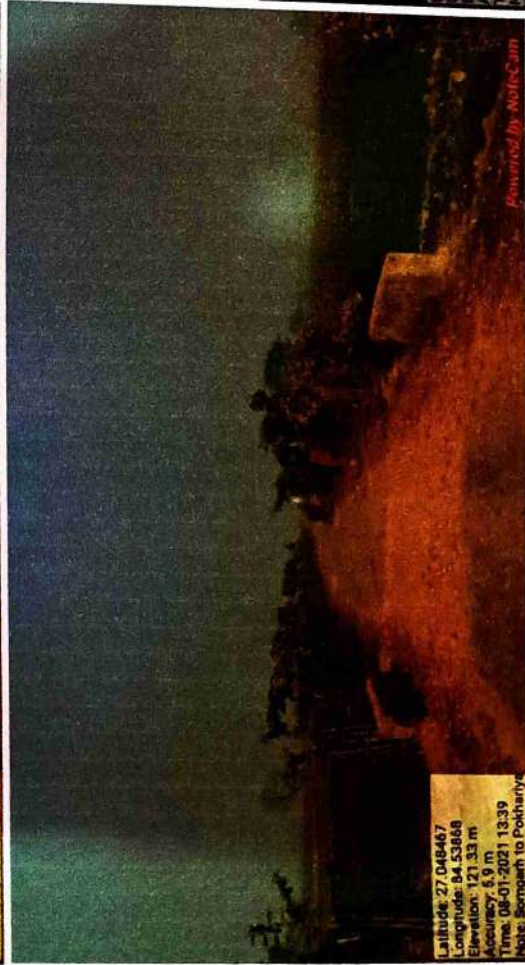
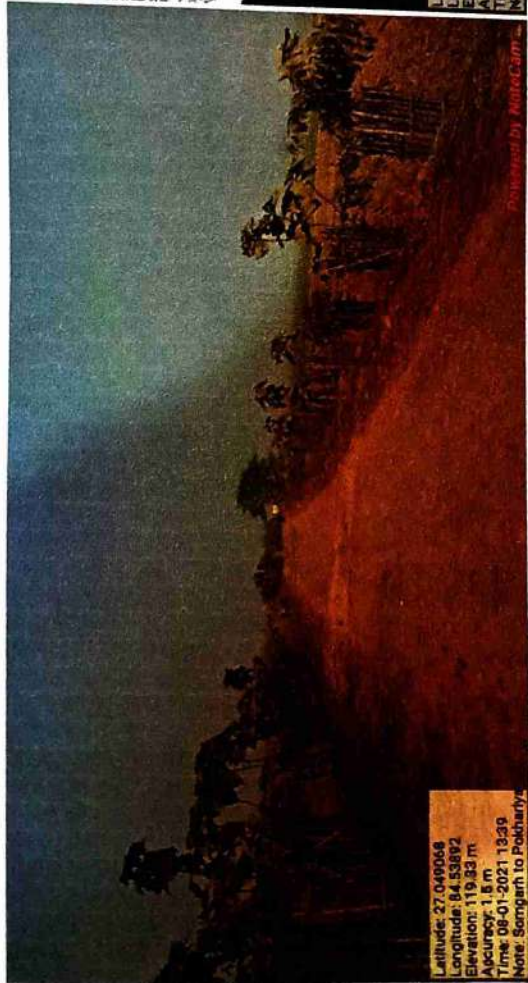
RE DAMAGED(MEASUREMENT)

Detailed Measurement(BRICKBAT)				
No	L(m)	W(m)	D(m)	Qty(cum)
1	20	$(3+4+5)/3$	$(0.5+0.75+1.0)/3$	60.000
2	15	$(1.5+2.0+2.5)/2$	$(0.900+0.600+0.300)/3$	57.000
2	10	$(1.0+1.2+1.4)/3$	$(0.75+1.0)/2$	21.000
3	5	$(0.5+1.0+1.5)/3$	$(0.3+0.45+0.6)/3$	6.750
TOTAL				144.750

Byman
23/12/2020
JR

RBS
23/12/2020
AE

R
23/12/20
E.E



Bhuvan.
 23/12/20
 J.R.