



बिहार सरकार

ग्रामीण कार्य विभाग

Rural Works Department, Govt. of Bihar

HEAD-FDR

STATE :- BIHAR

DETAILED PROJECT REPORT

DISTRICT :- Madhubani

CIRCLE :- Darbhanga

BLOCK :- Jhanjharpur

Estimate for Mortable of the Road from L024-T02 NH57 TO
TAJPUR (VR024) under FDR at **Block- Jhanjharpur** in
Madhubani District.

TOTAL COST FOR MOTORABLE Rs. ~~16.23216 lac.~~

8.32916 lac

Submitted by:

Executive Engineer

RWD(W) Division, Jhanjharpur

तकनीकी प्रतिवेदन

पथ का नाम :- 1024 - TD2 NNS7 to Tajpur (VR024)

प्राक्कलित राशि :- 68.329 lac

प्रमण्डल का नाम:- झंझारपुर

अंचल का नाम :- दरभंगा

योजना का नाम :- F.D.R-2245

प्रस्तुत प्राक्कलन विभागीय स्तर से कराये गये कार्य के आलोक 1024 - TD2
NNS7 to Tajpur (VR024) पथ के लिए तैयार किया गया है, जो

कि बाढ़ एवं अतिवृष्टि के कारण हुए कटाव/ जलजमाव/ Wave Cut के कारण क्षतिग्रस्त हो गया था जिसके कारण आवागमन बाधित हो गया था । फलतः ग्रामीणों को काफी कठिनाईयों का सामना करना पड़ रहा था ।

यह प्राक्कलन सचिव महोदय, ग्रामीण कार्य विभाग, पटना बिहार के पत्रांक- मु0अ0- 4 (मु0) विविध (कार्य)- 23 - 60/2020- 1937 पटना, दिनांक- 07.07.2021 के आदेश के आलोक में तैयार किया गया है ।

इस प्राक्कलन में क्षतिग्रस्त हुए पथांश को ईट के टुकड़े/मिट्टी/स्थानीय बालु से भरकर उसका संपीड़न किये जाने का प्रावधान करते हुए कार्य संपादित किया जा चुका है ।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनसूचित दर (संवेदक लाभांश छोड़कर) पर तैयार किया गया है । यह कार्य लोकहित एवं जनहित में अत्यावश्यक है । अतः इस प्राक्कलन की स्वीकृति अपेक्षित है ।

कनीय अभियंता

सहायक अभियंता

कार्यपालक अभियंता

ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, झंझारपुर

Inspection Report of Flood Damage Work

Name of PIUs :- RWD Works Division, Jhanjharpur

Name of Block :- Jhanjharpur

Name of Road :- To NH 57 to Talpur

A. For Road

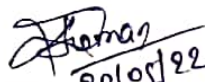
1. Damage Location Chainage :- 50, 75, 110, 140, 390 - - -
2. Damage Length :- 470.15
3. Nature of Damage :-
4. Details of Restoration Works
 - i. Materials being used in restoration works:- Brick bats
 - ii. Equipment's/Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:- 351.645 m
 - iv. Restored Length:-

B. For Bridge

1. Damage Location Chainage :-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works
 - i. Materials being used in restoration works:-
 - ii. Equipment's/Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length:-

C. Requirement Of New CD/ Bridges

- i. Name of Road:-
- ii. Location/ Chainage:-
- iii. Type of CD Work/ Length required:- 3"


Signature of JE/AE/EE


Signature
(Name of Inspection)

Estimate for Motorability of road damaged by flood from L024-T02 NH57 TO TAJPUR (VR024)
For Year 2021

Head :- FDR 2245

Length :- 3.027 km

SI No.	Item No.	Name of Item	Unit	Quantity As per Appendix - I	Rate	Amount
1		Providing and filling brick bats in ditches/ damaged embankment including cost of brick bats and labour all complete job as per specification and direction of E/L.	Cum	351.645 684.35	2004.96	705034.16 +372096.62 705034.16

₹ 13,72,096.62
 Add 12 % GST ₹ 84604.09
 Add 1 % L.C ₹ 7050.34
 Add S. Fee (684.35 x 1063.00) x 10 % ₹ 36290.28
 Total ₹ 16,23,215.70
 Say ₹ 832979=00
~~16,23,216.00~~

Junior Engineer
R.W.D. Works Section,
Jhanjharpur

Assistant Engineer
R.W.D. Work sub Div.
Jhanjharpur

Executive Engineer
R.W.D (W) Division,
Jhanjharpur

कार्यपालक अभियंता जयनगर के जांचो अर्जत (प्रमाण 710/23-05-22)
 Technically Sanctioned for Rs 5,19,133=00 (Rupees five
 lac nineteen thousand one hundred thirty three only)
 for Rs 8,32,979=00 (Rupees eight lac thirty two
 thousand nine hundred seventy nine only)

Superintending Engineer
RWD Work Circle, Darbhanga

Abhinav
26/05/22

Name of Road :- L024-T02 NH57 TO TAJPUR (VR024)

cheme :-

PMGSY

Length :- 3.027 km

Block :- Jhanjharpur

Appendix - I

**Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)**

Chainage	Nos.		Length (in Mtr.)		Bldth (in Mtr.)		Thickness (in Mtr.)		Quantity	
ch. 50	1	x	6.00	x	$(0.60+0.90+0.80)/3$	x	0.40	av.	= 1.84	cum
ch. 50	1	x	10.00	x	$(3.75+4.05+3.75)/52$	x	0.40	av.	= 0.89	cum
ch. 50	1	x	4.00	x	1.00	x	0.600	av.	= 2.40	cum
ch. 75	1	x	4.30	x	$(0.90+1.10+0.90)/3$	x	0.80 0.40	av.	= $\frac{1.66}{1.33}$	cum
ch. 75	1	x	2.20	x	0.90	x	0.900	av.	= 1.78	cum
ch. 75	1	x	4.90	x	0.80	x	0.700	av.	= 2.74	cum
ch. 110	1	x	21.90	x	$(0.90+1.00+0.95)/3$	x	0.85 0.40	av.	= $\frac{8.32}{1.68}$	cum
ch. 140	1	x	26.85	x	$(0.60+1.20+0.90+0.65)/4$	x	0.75 0.40	av.	= $\frac{8.99}{1.67}$	cum
ch. 390	1	x	5.60	x	$(0.90+1.50+1.20)/3$	x	0.80 0.90	av.	= $\frac{1.344}{2.65}$	cum
ch. 390	2	x	2.00	x	$(1.0+1.10)/2$	x	0.60	av.	= 2.52	cum
ch. 470	2	x	3.50	x	$(0.60+0.45)/2$	x	0.80	av.	= 2.94	cum
ch. 495	2	x	5.80	x	$(0.60+0.70)/2$	x	0.80	av.	= 6.03	cum
ch. 510	1	x	1.00	x	0.90	x	0.80	av.	= 0.72	cum
ch. 1220	1	x	7.00	x	$(3+3.10)/2$	x	0.60	av.	= 12.81	cum
ch. 1220	1	x	5.00	x	$(3+3.75)/2+(3.25+5.00)/2/2$	x	2.80 0.90	av.	= $\frac{16.875}{52.09}$	cum
ch. 1220	1	x	8.50	x	$(3.75+5.)/2+(3.0+4.0)/2/2$	x	1.80 0.30 0.70	av.	= $\frac{16.734}{57.27}$	cum
ch. 1220	1	x	5.00	x	$(0.40+0.50+0.35)/3$	x	0.80 0.40	av.	= $\frac{0.831}{2.67}$	cum
ch. 1220	1	x	6.00	x	$(3.75+4.0)/2$	x	0.60	av.	= 13.95	cum
ch. 1320	1	x	12.00	x	$(2.0+1.90+2.0)/3$	x	0.45	av.	= 10.62	cum
ch. 1320	1	x	26.50	x	$(3.75+3.50+3.80)/3$	x	0.85 0.30 0.45	av.	= $\frac{36.50}{22.97}$	cum
ch. 1320	1	x	5.00	x	$(0.40+0.45)/2$	x	0.30	av.	= 0.64	cum
ch. 1320	1	x	13.00	x	$(1.50+1.10+1.20)/3$	x	0.40	av.	= 6.59	cum
ch. 1430	1	x	4.00	x	$(0.60+0.30)/2$	x	0.40	av.	= 0.72	cum
ch. 1450	1	x	6.00	x	$(1.30+1.20+0.70)/3$	x	0.30	av.	= 1.92	cum
ch. 1480	1	x	6.00	x	$(0.70+1.50+0.60)/3$	x	0.30	av.	= 1.68	cum
ch. 1500	1	x	7.00	x	$(0.60+0.80)/2$	x	0.30	av.	= 1.47	cum
ch. 1540	1	x	5.00	x	$(3.50+3.60)/2$	x	1.10 0.80 0.45	av.	= $\frac{7.958}{24.20}$	cum
ch. 1600	2	x	3.00	x	0.90	x	0.30	av.	= 1.62	cum
ch. 1600	2	x	3.50	x	0.90	x	0.30	av.	= 1.89	cum
ch. 1600	1	x	13.00	x	$(2.0+1.50+0.90)/3$	x	0.40	av.	= 7.63	cum
ch. 1600	1	x	25.00	x	$(2.0+1.90+1.50)/3$	x	0.65 0.40 0.80	av.	= $\frac{19.375}{15.00}$	cum

195.05

Name of Road :- L024-T02 NH57 TO TAJPUR (VR024)

Scheme :- **PMGSY** Length :- **3.027 km** Block :- **Jhanjharpur**

Appendix - I

**Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)**

ch. 1600	1	x	4.00	x	$(3.75+3.75)/2$	x	0.80	av.	=	12.00	cum
ch. 1600	1	x	8.00	x	$(3.75+4.0)/2+(3.75+4.50)/2/2$	x	$\frac{1.0+0.6}{2} = 0.8$	av.	=	$\frac{95.60}{29.75}$	cum
ch. 1600	1	x	10.00	x	$(3.75+8.0)/2+(3.50+4.90)/2/2$	x	$\frac{0.75+1.10}{2} = 0.925$	av.	=	$\frac{32.156}{41.75}$	cum
ch. 1600	1	x	7.00	x	$(1.10+1.35+0.90)/3$	x	$\frac{0.80+0.40}{2} = 0.6$	av.	=	$\frac{3.12}{42.51}$	cum
ch. 1600	1	x	8.00	x	$(3.75+3.50+3.75)/3$	x	0.40	av.	=	11.73	cum
ch. 1600	1	x	6.00	x	2.00	x	0.40	av.	=	4.80	cum
ch. 1600	1	x	17.00	x	$(1.10+1.30+1.20)/3$	x	$\frac{0.3+0.65}{2} = 0.475$	av.	=	$\frac{6.12}{13.25}$	cum
ch. 1720	1	x	11.40	x	$(0.60+0.70+0.60)/3$	x	0.45	av.	=	3.25	cum
ch. 1720	1	x	7.50	x	$(0.60+0.65+0.30)/3$	x	0.45	av.	=	1.74	cum
ch. 1770	1	x	7.00	x	$(1.0+0.95+0.75)/3$	x	0.30	av.	=	1.89	cum
ch. 1770	1	x	3.00	x	$(0.70+0.60)/2$	x	0.30	av.	=	0.59	cum
ch. 1920	1	x	5.90	x	$(0.20+0.70+0.20)/3$	x	0.40	av.	=	0.87	cum
ch. 1980	1	x	4.90	x	0.60	x	0.50	av.	=	1.47	cum
ch. 1980	1	x	3.40	x	0.90	x	0.60	av.	=	1.84	cum
ch. 1995	1	x	7.00	x	$(0.85+1.0+0.90)/3$	x	0.80	av.	=	5.13	cum
ch. 2100	1	x	5.00	x	$(0.60+0.70+0.30)/3$	x	0.60	av.	=	1.60	cum
ch. 2170	1	x	5.10	x	$(0.60+1.0+0.50)/3$	x	0.50	av.	=	1.79	cum
ch. 2170	1	x	1.50	x	1	x	0.30	av.	=	0.45	cum
ch. 2200	1	x	9.40	x	$(1.20+1.40+0.90)/3$	x	0.30	av.	=	3.29	cum
ch. 2300	1	x	3.40	x	$(1.0+1.20+0.90)/3$	x	0.40	av.	=	1.41	cum
ch. 2300	1	x	2.90	x	$(0.70+0.90+0.70)/3$	x	0.40	av.	=	0.89	cum
ch. 2450	1	x	12.10	x	$(0.90+0.80+1.0)/3$	x	0.60	av.	=	6.53	cum
ch. 2450	1	x	6.20	x	$(3.75+4.20+3.75)/3$	x	$\frac{0.50+0.75}{2} = 0.625$	av.	=	$\frac{18.155}{29.75}$	cum
ch. 2890	1	x	30.00	x	$(0.90+0.15+0.60)/3$	x	$\frac{0.40+0.56}{2} = 0.48$	av.	=	$\frac{6.60}{13.24}$	cum
ch. 2890	1	x	15.90	x	$(0.60+0.45+0.30)/3$	x	0.35	av.	=	2.50	cum
ch. 2890	1	x	10.00	x	$(0.45+0.30)/2$	x	$\frac{0.30+0.65}{2} = 0.475$	av.	=	$\frac{1.123}{2.19}$	cum
Total qty.										=	684.35 cum

Junior Engineer
R.W.D. Works Section,
Jhanjharpur

Assistant Engineer
R.W.D. Work sub Div.
Jhanjharpur

Executive Engineer
R.W.D (W) Division,
Jhanjharpur

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20/08/22
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