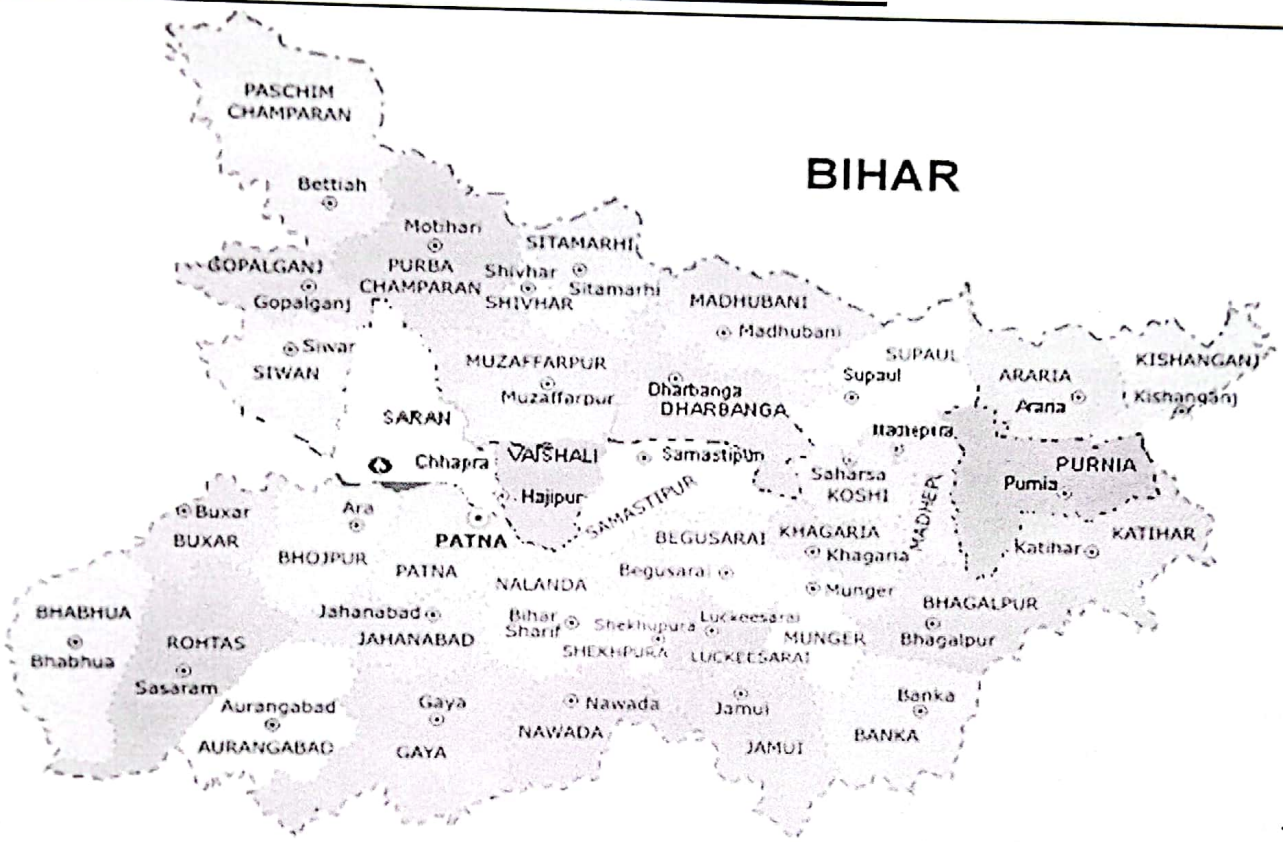
ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR FDR 2024-25



Name of Road	**:-**	**Pachhimi Kamla Tatbandh to Darji Alpsankhayak Tol**
CIRCLE	**:-**	**Madhubani**
DISTRICT	**:-**	**Madhubani**
DIVISION	**:-**	**Jhanjharpur**
BLOCK	**:-**	**Madhepur**
TOTAL COST OF PROJECT	**:-**	**173225**

Submitted By :
EE RWD JHANJHARPUR

तकनीकी प्रतिवेदन

पथ का नामः–

प्राक्कलित राशिः–

प्रमंडल का नामः–झंझारपुर।

अंचल का नामः–मधुबनी।

योजना का नामः–F.D.R 2245

प्रस्तुत प्राक्कलन विभागीय स्तर से कराये गये कार्य के आलोक में ....Paschmi Kamla tatbandh to Dasyi Alpsankhyak....... 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।

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

06/11/2024
कनीय अभियंता

06/11/24
सहायक अभियंता

06/11/24
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, झंझारपुर।

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- RWD, Jhanjharpur	
Name of Block/Road :- Madhepur/ Paschimi Karmola thet baradh to Dargi Alpsotha	
A. For Road	
1. Damage Location/Chainage :- 0.310KM.	
2. Damage Length :- 33.90	
3. Nature of Damage (Length Wise)	(i) Breach :- 33.90m (ii) Crust Damage :- (iii) Only Flank Damage :-
whether traffic fully/Partialiy obstructed :- fully.	
4. Details of Restoration :-	
(i) Material Being Used in Restoration :- Brick bats.	
(ii) Equipment/Tools Being Used in Restoration Works :- JCB & tractors.	
(iii) Restored Length	In open Area :- open In habitation Area :- N.A
(iv) If Restoration work done in habitation Area give Reason :- N.A	
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/Abuttment/ 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) :-	

[signature] 14/11/24
Executive Engineer
Rural Works Department
Works Division, Jaynagar
Signature of Inspector
(Official Seal)

[signature] 14/10/24
J.E

FDR 2024-25

General Abstract of Cost

Division- Jhanjharpur Block- Madhepur

Name of Road- Pachhimi Kamla Tatbandh to Darji Alpsankhayak Tol

1	2	3	4	5	6
Si. No.	Name of item	Unit	Quantity as per measurement	Rate	Amount
1	Providing and filling brick bats in damaged embankemnt and crust including cost of brick bats and labour, all complete job as per specification.	cum	139.8105	1239.00	173225.21
				Rs.-	173225.2095
				Add 18% GST Rs.-	0.00000
				Add 1% L.C. Rs.-	0.00000
				Add S.F. Rs- (col.4*900.00@10%)	0.00000
				Total Rs.-	173225.2095
				Say Rs.-	173225 =00

Junior Engineer
RWD works section

Assistant Engineer
RWD works sub div.

Executive Engineer
RWD Jhanjharpur

अधीक्षण कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, कार्य प्रमण्डल– जयनगर के द्वारा दिनांक – 14.11.2024 के पत्र एवं प्रतिवेदन के आलोक में :-

Technically Sanctioned (provisional) for Rs = 173225=00
(Rupees One Lakh Seventy three thousand two hundred & twenty five only)

Superintending Engineer
R.W.D. Works Circle
Madhubani

15/11/2024
E.O.

15/11/24
TA

Measurement of restoration of crust and embankment with brick bats

FDR 2024-25

Name of Road:- Pachhimi Kamla Tatbandh to Darji Alpsankhayak Tol

Division- Jhanjharpur Block- Madhepur

1	2	3	4	5	6	7
CH. In km	Nos.	Length(m)	Width(m)	Avg. Width	Thickness	Quantity(cum)
0.205	1	15.8	(4.7+4.8+4.6+4.8)/4	4.725	(1.3+1.4+1.3+1.2)/4	97.0515
0.210	1	8.4	(3.2+3.55)/2	3.375	(.75+.85+)/2	22.68
0.222	1	9.7	(3.5+3.4)/2	3.45	(.55+.65)/2	20.079
						139.8105

Junior Engineer
RWD works Section

Assistant Engineer
RWD works Sub Div.

Executive Engineer
RWD Jhanjharpur

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1	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				
		a)	**Labour**				
			Mazdoor (Unskilled)	Nos	3.00	320.00	960.00
		b)	Overheads @ 2.5 %				**0.00**
			Cost for 2.832 cum				960.00
			Rate per cum =				**338.98**
			Rate Per Km.	**Cum**			**339.00**
2	1.40	RCD	**Cost of Haulage excluding Loading & Unloading**				
			Haulage of materials by tractor excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 3.6 t load and lead 10 km =36 t.km				
			Case-I : Surfaced Road				
			Speed with load: 15 km per hour				
			Speed while returning empty: 25 km per hour				
		a)	**Machinery**				
			Tractor 3.6 t capacity				
			Time taken for onward Haulage with load	hour	0.40	550.00	220.00
			Time taken for Empty return trip	hour	0.29	550.00	159.50
		b)	Overheads @ 2.5 %				**0.00**
			Cost for 36 t-km = a+b+c				379.50
			Rate per cum = (a+b) /36				**10.54**
			Rate Per Km.	**Cum**			**10.50**
3			**Cost of Haulage excluding Loading & Unloading**				
			Haulage of materials by tractor excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 3.6 t load and lead 10 km =36 t.km				
			Case-II: Unsurfaced Gravel Road.				
			Speed with load: 12 km per hour				
			Speed while returning empty: 20 km per hour				
		a)	**Machinery**				
			Tractor 3.6 t capacity				
			Time taken for onward Haulage with load	hour	0.833	550.00	458.15
			Time taken for Empty return trip	hour	0.500	550.00	275.00
		b)	Overheads @ 2.5 %				**0.00**
			Cost for 36 t-km = a+b+c				733.15
			Rate per cum = (a+b) /36				**7.33**
			Rate Per Km.	**Cum**			**7.30**
4			**Cost of Haulage excluding Loading & Unloading**				
			Haulage of materials by tractor excluding cost of loading, unloading and stacking.				
			Unit = t.km				
			Taking output 3.6 t load and lead 10 km =36 t.km				
			Case-III : Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.				
			Speed with load: 10 km per hour				
			Speed while returning empty: 15 km per hour				
		a)	**Machinery**				
			Tractor 3.6 t capacity				
			Time taken for onward Haulage with load	hour	1.000	550.00	550.00
			Time taken for Empty return trip	hour	0.667	550.00	366.85
		b)	Overheads @ 2.5 %				**0.00**
			Cost for 36 t-km = a+b+c				916.85
			Rate per cum = (a+b) /36				**9.17**
			Rate Per Km.	**Cum**			**9.20**

Analysis of Rates (FORMAT F8)

Sl. No.	SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
5	1.10	RCD	Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum.				
			Placing tractor at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip				
			Unit = cum				
			Taking output =2.25 cum				
			Time required for				
			i) Positioning of tractor at loading point		1 Min		
			ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		5 Min		
			Total		**6 Min**		
			a) Labour				
			Mate	day	0.03	434.00	13.02
			Mazdoor for loading and unloading	day	0.72	320.00	230.40
			a) Machinery				
			Tractor 3.6 t capacity	hour	0.10	550.00	55.00
			Front end-loader 1 cum bucket capacity @ 25 cum/hour	hour	0.083	1220.00	101.26
			Overheads @ 2.5 %				0.00
			Cost for 2.25 cum = a+b+c				399.68
			Rate per cum = (a+b+c)/ 2.25				177.64
			Unloading will be done manually			*say*	***177.64***
6			**Supplying for Brick Bats (With OH)**	**Cum**	**1.00**	**900.00**	**900.00**
			Basic Rate of Brick Bat				**0.00**
			Over Heads @ 2.5 %				**900.00**
		A	**Total Cost**				
			Surface Lead	**KM**	**7**		
			Katcha Track and Track in River Bed/Nallah Bed and Choe Bed.	**KM**	**1**		
			Factor (3.6/2.25)	**Cum**	**1.6**		
		B	**Carriage with OH**				**0.00**
			(1.6 x 7 x 10.80)+(1.6 x 1 x 9.40) +182.08				
		C	**Cost fo Labour for pitching and light Ramming as per WRD SOR 6.6.1 (With OH)**				**339.00**
			Total Cost (A+B+C)				**1239.00**
1 (II)	9.30	1100	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row				
			Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row				
		B.	1000 MM DIA				
			Unit =m				
			Taking output =7.5 m				
			(3 pipes of 2.5 m length each)				
			a) Material				
			I) Sand at site	cum	0.040	3103.37	124.13
			Ii) Cement at site	ton	0.030	6185.96	185.58
			iii) RCC pipe NP 3 pipe including collar at site	m	7.50	5100.00	**38250.00**
			b) Labour				
			Mate	day	0.09	434.00	39.06
			Mason (1st class)	day	0.25	400.00	**100.00**
			Mazdoor (Unskilled)	day	2.000	320.00	640.00
			Overheads @ 2.5 %				0.00
			d) Contractor's profit @ 10% on (a+b+c)				0.00
			Cost for 7.5m = (a+b+c+d)				**39338.77**
			Rate per m =(a+b+c+d)/7.5				**5245.17**
			Total Cost	**m**			**5245.17**