



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR FDR 2024-25



Name of Road	:-	Mahansa to Rahua
CIRCLE	:-	Madhubani
DISTRICT	:-	Madhubani
DIVISION	:-	Jhanjharpur
BLOCK	:-	Madhepur
TOTAL COST OF PROJECT	:-	555939

Submitted By :
EE RWD JHANJHARPUR

तकनीकी प्रतिवेदन

पथ का नाम:- *Mehanse to Ronghe*

प्राक्कलित राशि:-

प्रमंडल का नाम:-झंझारपुर।

अंचल का नाम:-मधुबनी।

योजना का नाम:-F.D.R 2245

प्रस्तुत प्राक्कलन विभागीय स्तर से कराये गये कार्य के आलोक में *Mehanse to Ronghe* 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 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।

Pawar
06/11/2024
कनीय अभियंता

[Signature]
06/11/2024
सहायक अभियंता

[Signature]
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, झंझारपुर।

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- Rised, Jhagharpur	
Name of Block/Road :- Madhepur / Mahender to Raha.	
A. For Road	
1. Damage Location/Chainage :- ch - 1.68 KM, 2.95 KM	
2. Damage Length :- 12m.	
3. Nature of Damage (Length Wise)	(i) Breach :- 12m.
	(ii) Crust Damage :-
	(iii) Only Flank Damage :-
whether traffic fully/Partially obstructed :- fully.	
4. Details of Restoration :-	
(i) Material Being Used in Restoration :- Bricks bats.	
(ii) Equipment/Tools Being Used in Restoration Works :- JCB and trowels.	
(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/Abutment/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) :-	

Q. No. 14/11/24
J.E.


Executive Engineer
 Rural Works Department
 Signature of Inspector
 Works Division, Jaynagar
 (Official Seal)

FDR 2024-25

General Abstract of Cost

Division-

Jhanjharpur

Block-

Madhepur

Name of Road- Mahansa to Rahua

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 embankment and crust including cost of brick bats and labour, all complete job as per specification.	cum	448.7	1239.00	555939.3
Rs.-					555939.3
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.-					555939.3
Say Rs.-					555939.3

Pamer
06/11/24
Junior Engineer
RWD works section

Assistant Engineer
RWD works sub div.

Adul
01/11/24
Executive Engineer
RWD Jhanjharpur

314000/- कार्यपत्रक अतिरिक्त, ग्राहक को निर्माण कार्य प्रमाणित
पत्रिका के दिनांक 14-11-2024 में प्रमाणित प्रमाणित-क अतिरिक्त
में —
Technically sanctioned (Provision) Rs. 555939.30
(Rupees five lakh fifty five thousand Nine hundred
thirty nine) only.

Adul
15/11/24
Superintending Engineer
R.W.D. Works Circle
Madhubani

Adul
15/11/24
GO-

Adul
15/11/24
MR

Measurement of restoration of crust and embankment with brick bats

FDR 2024-25

Name of Road:- Mahansa to Rahua

Division- Jhanjharpur

Block- Madhepur

1	2	3	4	5	6	7
CH. In km	Nos.	Length(m)	Width(m)	Avg. Width	Thickness	Quantity(cum)
1.68	1	19.8	$(3.75+4.5+4.8)/3$	4.35	$(0.6+0.45+)/2$	66.3201
1.68	1	6.9	$(1.6+2)/2$	1.8	$(0.3+0.45)/2$	4.6575
1.68	1	7.2	$(6.20+5.5)/2$	5.85	$(0.60+0.60)/2$	25.272
1.68	1	19	$(2.6+2.6)/2$	2.6	$(0.3+0.45)/2$	18.525
1.68	1	6.9	$(3.75+4.10)/2$	3.925	$(0.3+0.45)/2$	10.1559375
2.9	2	30	$(5.2+4.9+5.3+5+4.8)/5$	5.04	$(0.75+0.9+1.2+0.85+0.7)/5$	266.112
2.9	1	13	$(5.2+4.9+5.3+5+4.8)/5$	5.04	$(0.75+0.9+1.2+0.85+0.7)/5$	57.6576
						448.7001375



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) b) Overheads @ 2.5 % Cost for 2.832 cum Rate per cum =	Nos	3.00	320.00	960.00 0.00 960.00 338.98
			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 Time taken for Empty return trip b) Overheads @ 2.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	0.40 0.29	550.00 550.00	220.00 159.50 0.00 379.50 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 Time taken for Empty return trip b) Overheads @ 2.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	0.833 0.500	550.00 550.00	458.15 275.00 0.00 733.15 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 Time taken for Empty return trip b) Overheads @ 2.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	1.000 0.667	550.00 550.00	550.00 366.85 0.00 916.85 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 ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour Total a) Labour Mate Mazdoor for loading and unloading a) Machinery Tractor 3.6 t capacity Front end-loader 1 cum bucket capacity @ 25 cum/hour Overheads @ 2.5 % Cost for 2.25 cum = a+b+c Rate per cum = (a+b+c) / 2.25				
					1 Min 5 Min 6 Min		
				day	0.03	434.00	13.02
				day	0.72	320.00	230.40
				hour	0.10	550.00	55.00
				hour	0.083	1220.00	101.26
							0.00
							399.68
							177.64
			Unloading will be done manually			say	177.64
6		A	Supplying for Brick Bats (With OH) Basic Rate of Brick Bat Over Heads @ 2.5 % Total Cost Surface Lead Katcha Track and Track in River Bed/Nallah Bed and Choe Bed. Factor (3.6/2.25)	Cum	1.00	900.00	900.00
							0.00
							900.00
		B	Carriage with OH (1.6 x 7 x 10.80) + (1.6 x 1 x 9.40) + 182.08	KM KM Cum	7 1 1.6		
		C	Cost fo Labour for pitching and light Ramming as per WRD SOR 6.6.1 (With OH)				0.00
							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 1000 MM DIA Unit =m Taking output =7.5 m (3 pipes of 2.5 m length each) a) Material i) Sand at site ii) Cement at site iii) RCC pipe NP 3 pipe including collar at site b) Labour Mate Mason (1st class) Mazdoor (Unskilled) Overheads @ 2.5 % d) Contractor's profit @ 10% on (a+b+c) Cost for 7.5m = (a+b+c+d) Rate per m =(a+b+c+d)/7.5				
				cum	0.040	3103.37	124.13
				ton	0.030	6185.96	185.58
				m	7.50	5100.00	38250.00
				day	0.09	434.00	39.06
				day	0.25	400.00	100.00
				day	2.000	320.00	640.00
							0.00
							0.00
							39338.77
							5245.17
			Total Cost	m			5245.17