



बिहार सरकार

ग्रामीण कार्य विभाग

Rural Works Department, Govt. of Bihar

HEAD-FDR/2245

STATE :- BIHAR

DISTRICT :- Madhubani

CIRCLE :- Madhubani

BLOCK :- Ladania

**Estimate for Motorable at Jankinagar to
Donwari under FDR**

TOTAL LENGTH OF ROAD:-

4.020 km

TOTAL COST FOR MOTORABLE

Rs 136651

Submitted by:
Executive Engineer
RWD(W) Division, Jaynagar

प्रतिवेदन

पथ का नाम :- JANKINAGAR TO DONWARI
पथ की लम्बाई :- 4.020 KM
प्राक्कलित राशि :- 136651 रु०
प्रमंडल का नाम :- Jaynagar
अंचल का नाम :- Madhubani
योजना का नाम :- FDR-2245

प्रस्तुत प्राक्कलन जानकी नगर से दीनवारी 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।

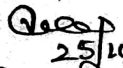
यह प्राक्कलन Engg-in-Chief, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक—मु०अ०—8

(अनु० एवं उन्नयन) FDR-03-01/2024 89 पटना दिनांक: 18.10.2024 एवं जिला

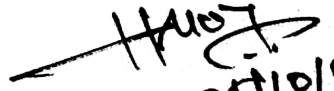
पदाधिकारी, मधुबनी के मौखिक आदेश के आलोक में तैयार किया गया है।

इस प्राक्कलन में क्षतिग्रस्त हुए पथांश को ईंट के टुकड़ों से भरकर उसका सम्पीडन किया जाने का प्रावधान किया गया है।

प्रस्तुत प्राक्कलन वर्तमान स्वीकृति अनुसूचित दर पर तैयार किया गया है। यह कार्य लोकहित एवं जनहित में अत्यावश्यक है। अतः इस प्राक्कलन की स्वीकृति अपेक्षित है। यह कार्य विभागीय रूप से सम्पादित करा लिया गया है।


25/10/24
कनीय अभियंता
ग्रामीण कार्य अवर प्रशाखा,
लदनियाँ

सहायक अभियंता,
ग्रामीण कार्य अवर प्रमंडल,
लदनियाँ


25/10/24
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, जयनगर

Estimate for motarable at Road jankinagar to donwari

Length: 4.020km

SI No	Item No	Name of Item	Unit	No	Length	Width	Height	Qty.	Rate	Amount
1	1	Providing and Filling bricks bats in the detached area including cost of Labour-- - All Complete Job....E/I	Cum	As per Appendix 1				93.635	1459.40	136651
								Total		136651
								Add GST 18%		0
								LC 1%		0
								S Fee		0
								Gross Total		136650.92

Say 136651=00

25/11/24
Junior Engineer
RWD(W) Section
Ladania

Assistant Engineer
RWD(W) Sub Division
Ladania

25/11/24
Executive Engineer
RWD(W) Division, Jaynagar

આલેક્ષ- કાર્યપાલક અધિકારી, ગ્રામીણ કાર્ય વિભાગ, કાર્ય પ્રમુખ
પુલપાલક એ જણાવેલું 11-11-2024 સં પ્રાપ્ત હોય પ્રાથમિક
કે આલેક્ષ એ (Provisional)

Technically sanctioned work-136651=00
(Rupees one lakh thirty six thousand six hundred fifty
one) only.

13/11/24
Superntending Engineer
R.W.D. Work Circle
Madhubani

13/11/24
Superntending Engineer
R.W.D. Work Circle
Madhubani

Name of Road : JANKINAGAR TO DONWARI

1. Providing and Filling of bricks bats in detached area including E/I

CHAINAGE NO	NO	LENGTH	WIDTH	DEPTH	QTY
0.250 KM	1	13	3.75	0.3	14.625
0.550 KM	1	13	2.5	0.3	9.750
	1	7.5	0.9	0.3	2.025
0.85 km	1	7.5	{7.67+3.75}/2	{1.50+1.90+1.3}/3	67.235
				TOTAL QTY	93.635

25/10/24
JE

AE

25/10/24
EE

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 & Contractor's profit @ 12.5 % Cost for 2.832 cum Rate per cum =	Nos	3.00	395.00	1185.00 0.00 1185.00 418.43 418.40
			Rate Per Km.	Cum			
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 & Contractor's profit @ 12.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	0.40 0.29	709.00 709.00	283.60 205.61 0.00 489.21 13.59 0.00
			Rate Per Km.	Cum			
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 & Contractor's profit @ 12.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	0.833 0.500	709.00 709.00	590.60 354.50 0.00 945.10 9.45 0.00
			Rate Per Km.	Cum			
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 & Contractor's profit @ 12.5 % Cost for 36 t-km = a+b+c Rate per cum = (a+b) /36	hour hour	1.000 0.667	709.00 709.00	709.00 472.90 0.00 1181.90 11.82 0.00
			Rate Per Km.	Cum			

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 & Contractor's profit @ 12.5 % Cost for 2.25 cum = a+b+c Rate per cum = (a+b+c) / 2.25				
				day	0.03	434.00	13.02
				day	0.72	395.00	284.40
				hour	0.10	709.00	70.90
				hour	0.083	1432.00	118.26
							0.00
							487.18
							216.52
							0.00
			Unloading will be done manually				
6			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	1041.00	1041.00
							0.00
							1041.00
		A		KM	7		
				KM	1		
				Cum	1.6		
		B	Carriage with OH (1.6 x 7 x 10.80) + (1.6 x 1 x 9.40) + 182.08				0.00
		C	Cost fo Labour for pitching and light Ramming as per WRD SOR 6.6.1 (With OH)				418.40
							1459.40
			Total Cost (A+B+C)				
1	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				
				cum	0.040	3103.37	124.13
				ton	0.030	6185.96	185.58
				m	7.50	5949.27	44619.53
				day	0.09	434.00	39.06
				day	0.25	474.00	118.50
				day	2.000	395.00	790.00
			Mason (1st class) Mazdoor (Unskilled) Overheads & Contractor's profit @ 12.5 % 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				0.00
							0.00
							45876.80
							6116.91
							6116.91
			Total Cost				
				m			