



बिहार सरकार

ग्रामीण कार्य विभाग

Rural Works Department, Govt. of Bihar

HEAD-FDR/2245

STATE :- BIHAR

DISTRICT :- Madhubani

CIRCLE :- Madhubani

BLOCK :- BABUBARHI

**Estimate for Motorable at Pmgsy Bela to Rauahi
pashchim under FDR**

TOTAL LENGTH OF ROAD:-

2.201 km

TOTAL COST FOR MOTORABLE

Rs 350907

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

BABUBARHI

प्रतिवेदन

पथ का नाम	:-	Pmgsy Bela to Rauahi pashchim
पथ की लम्बाई	:-	<u>2.201 KM</u>
प्राक्कलित राशि	:-	350907 रु0
प्रमंडल का नाम	:-	<u>Jaynagar</u>
अंचल का नाम	:-	<u>Madhubani</u>
योजना का नाम	:-	<u>FDR-2245</u>

प्रस्तुत प्राक्कलन

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।

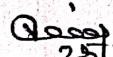
यह प्राक्कलन Engg-in-Chief, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-मु0अ0-8

(अनु0 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 ईट के टुकड़ों से भरकर उसका सम्पीडन किया जाने का प्रावधान किया गया है।

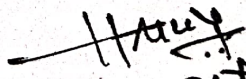
प्रस्तुत प्राक्कलन वर्तमान स्वीकृति अनुसूचित दर पर तैयार किया गया है। यह कार्य लोकहित एवं जनहित में अत्यावश्यक है। अतः इस प्राक्कलन की स्वीकृति अपेक्षित है। यह कार्य विभागीय रूप से सम्पादित करा लिया गया है।


25/10/24
कनीय अभियंता

ग्रामीण कार्य अवर प्रशाखा,

सहायक अभियंता,

ग्रामीण कार्य अवर प्रमण्डल,


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

Estimate for motarable at Pmgsy Bela to Rauahi pashchmi

Length: 2.201km

Sl No	Item No	Name of Item	Unit	No	Length	Width	Height	Qty.	Rate	Amount
1	1	Provising and Filling bricks bats in the detached area including cost of Labour-- - All Complete Job....E/I	Cum	As per Appendix 1				177.575	1459.40	259153
										259153
	2	suppling/laying 1000mm dia hume pipe					15m	6116.91		91753.65
								Total		350906.61
								Add GST 18%		0
								Add L C 1%		0
								Add S FEE		0
								Gross Total		350906.61

Say 350907=00

25/10/24
J.E

25/10/24
Executive Engineer
RWD(W) Division, Jaynagar

असंबंध कार्रपलक अभियंता, प्राचीन कार्र विभाग, कार्र प्रमंडल - फुलपरास के
द्वारा दिनांक - 11.11.2024 के प्रप्त जांच प्ररिषेदक के आलेख में -
(Provisioned)
Technically Sanctioned for Rs. 350907=00
(Rupees three lakh fifty thousand nine hundred seven) only.

13/11/24
Superintending Engineer
R.W.D. Circle
Machilipatnam
13-11-24
TA

Name of Road : PMGSY Road Bela to Rauahi Pashchim

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

CHAINAGE NO	NO	LENGTH	WIDTH	DEPTH	QTY
0.850 KM	1	8.4	$(4.80+10.90)/2$	$(2.6+3.00+2.5)/3$	178.038
	1	2.6	1.4	0.85	3.094
	2	5.5	0.7	0.95	7.315
	1	3	0.4	0.90	1.080
				TOTAL QTY	189.527
			Deduction	$3.14*.5*.5*7.5*2$	(-) 11.77
				TOTAL QTY	177.757

2. Providing and Laying 1000mm dia hume pipe including E/I

0.850 km	2*3	2.5			15.00m
				TOTAL	15.00M

25/10/22
JE

AE

29/10/24
EE

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount, 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 b) Mazdoor (Unskilled) 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
2	1.40	RCD	Rate Per Km.	Cum		
		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	0.40	709.00	283.60
			hour	0.29	709.00	205.61
						0.00
						489.21
						13.59
			Rate Per Km.	Cum		0.00
3		RCD	Rate Per Km.	Cum		
		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	0.833	709.00	590.60
			hour	0.500	709.00	354.50
						0.00
						945.10
						9.45
			Rate Per Km.	Cum		0.00
4		RCD	Rate Per Km.	Cum		
		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	1.000	709.00	709.00
			hour	0.667	709.00	472.90
						0.00
						1181.90
						11.82
			Rate Per Km.	Cum		0.00

Analysis of Rates (FORMAT F8)

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
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				
				1 Min		
				5 Min		
				6 Min		
			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	118.86
						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
			KM	7		
			KM	1		
			Cum	1.6		
						0.00
						418.40
						1459.40
1	9.30	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 & 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				
(II)			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
						0.00
						0.00
						45876.80
						6116.91
						6116.91
		Total Cost	m			