



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 Pwd donwar gulam
kamat house to Bharat nepal sima under FDR**

TOTAL LENGTH OF ROAD:-

0.843 km

TOTAL COST FOR MOTORABLE

Rs 164416

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

प्रतिवेदन

पथ का नाम	:-	Pwd donwari gulam kamat house to Bharat nepal sima
पथ की लम्बाई	:-	<u>0.843 KM</u>
प्राक्कलित राशि	:-	164416 ₹0
प्रमंडल का नाम	:-	<u>Jaynagar</u>
अंचल का नाम	:-	<u>Madhubani</u>
योजना का नाम	:-	<u>FDR-2245</u>

प्रस्तुत प्राक्कलन Pwd donwari gulam kamat house to Bharat nepal sima 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।

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

सहायक अभियंता,
ग्रामीण कार्य अवर प्रमंडल,
लदनियाँ

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, जयनगर

Estimate for motarable at gulam kamat house to Bharatnepsal sima

Length: 0.843km

SI 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				112.66	1459.400	164416
								Total		164416
								Add GST 18%		0
								L C 1%		0
								S Fee		0
Gross Total										164416.00

25/11/24
J.B.

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

असंख्य कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, बाईपुर्खुवा
फुलपराय क दाता दिनांक 11-11-2024 त प्राप्त प्राप्त प्रतिवेदन
(Provisional)
के आधारे म^६ — Technically sanctioned Rs 164416.00
(Rupees one lakh sixty four thousand four hundred sixteen)
only.

13/11/24
SuperIntending Engineer
R.W.D. Work Circle
Madhubani
13-11-24
TA

Name of Road : Pwd donwari gulam kamat house to Bharat nepal sima

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

CHAINAGE NO	NO	LENGTH	WIDTH	DEPTH	QTY
0.300 KM	1	8	$\{4.5 + 8.78\}/2$	$\{1.40 + 1.80 + 1.50\}/3$	83.400
	1	10.5	$(1.20 + 1.25 + 1.20)/3$	0.85	10.900
	1	4.9	$(0.90 + 3.15)/2$	1.85	18.360
				TOTAL QTY	112.660

Q. No. 1
25/10/24

JE

AE

H. M. S.
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
			Rate Per Km.	Cum			418.40
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
			Rate Per Km.	Cum			0.00
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
			Rate Per Km.	Cum			0.00
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
			Rate Per Km.	Cum			0.00

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				
					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
			Unloading will be done manually			say	0.00
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	1041.00	1041.00
							0.00
							1041.00
		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
							418.40
			Total Cost (A+B+C)				1459.40
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				
(II)		B.		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 %				0.00
			d) Contractor's profit @ 10% on (a+b+c)				0.00
			Cost for 7.5m = (a+b+c+d)				45076.00
			Rate per m = (a+b+c+d)/7.5				6116.91
			Total Cost	m			6116.91