

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधुबनी।
 पत्रांक:- 597 अजु० दिनांक:- 12.03.2022

प्रेषक,

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग,
 कार्य प्रमंडल, मधुबनी।

सेवामें,

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग,
 कार्य प्रमंडल, दरभंगा-2

विषय:- एफ0डी0आर0 योजनान्तर्गत अस्थायी पूर्णस्थापन कार्य (Motorable Work) का प्राक्कलन समर्पित करने के संबंध में।

महाशय,

उपर्युक्त विषयक सूचित करना है कि अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, दरभंगा के द्वारा आपके प्रमंडल अंतर्गत एफ0डी0आर0 योजनान्तर्गत अस्थायी पूर्णस्थापन कार्य (Motorable Work) के पथों एवं प्राक्कलन की जाँच हेतु निदेश दिया गया था। जिसके आलोक में जाँचापरांत पथ का प्राक्कलन समर्पित की जाती है। विवरणी निम्न प्रकार से है:-

क्र०	प्रखंड	पथ का नाम	Qty (M ³)	अभ्युक्ति
1	Jale	Jale to Dhamad	104.06	
2	Jale	T03 to Ramnagar	73.227	
3	Jale	PWD road Aaya Bhagaul to Baghau sailesh sthan	21.729	
4	Jale	Muraitha to Massa	50.973	
5	Jale	Teriyani to Dhanuk tol	23.91	
6	Jale	DKBM Rajoun Chowk to Rajoun Pali	21.820	
7	Jale	PWD to Bind tola Kachhua	39.86	
8	Jale	RWD Anwar tola se Hasme Tola	203.641	
9	Jale	Khoriya tol se Kaji Bahera	53.236	
10	Jale	Kumhrauli Ahilyasthan to Rahi tola	78.796	
11	Jale	L050-L047 to Sahaspur	398.62	
12	Keoti	L025-T05 to Lalganj	79.335	
13	Keoti	L054-T02 to Sarad samaila	4.636	
14	Keoti	REO Khirma se sadik Muslim tol	76.574	
15	Keoti	PWD Gandhi chowk to Pathara tola	45.805	
16	Keoti	NH 105 Paradih Petrol Pump to Jethiyahi Paswan tola	30.36	
17	Keoti	Pindaruch Baluaha to Mahadalit tola	47.175	
18	Keoti	T04 Asarapur to Milki Mohamadpur	63.406	
19	Keoti	REO road to Chandi	162.25	
20	Keoti	Bariyaul to Kaharia Kaliganw Bharwara Path	54.94	

क्र०	प्रखंड	पथ का नाम	Qty (M ³)	अभ्युक्ति
21	Keoti	Lalganj REO road to Kopgarh	89.84	
22	Keoti	REO road to Mahesajan	240.122	
23	Keoti	PMGSY Chaka to Dhobigama Mahadalit tola	40.528	
24	Keoti	T02 to Dhoygama	49.213	
25	Keoti	T02 to Pilakhwar	235.676	
26	Keoti	T05 to Kamaldah	90.223	
27	Keoti	T04 (Chhatwan) to Gokhul	11.702	
28	Keoti	T05 to Nayagani Brahamchari tola	18.364	
29	Keoti	Pachadhi to Bansara Chhatwan	78.881	
30	Keoti	PMGSY Jethiyahi se Dih tola	88.63	
31	Keoti	NH 105 to Hanuman Part road	52.432	

अनु०:-यथोक्त ।

विश्वासभाजन

[Signature]
12/03/22

कार्यपालक अभियंता

ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधुबनी ।

[Signature]

12.03.2022

Inspection Report for Flood Damage Work

Date:- 24/11/2021

Name of PIUs:- EE, RWD works Division, Darbhanga-2

Name of Block/Road:- Keoti / Pindaruch Baluaha to Mahadalit Tola

(A) For Road:-

1 Damage Location/Chainage:- 35 M - 400 M

2 Damage Length:- 92.85 M

3 Nature of Damage:- Road Breaches and Erosion of shoulder

4 Details of Restoration Works:-

(i) Material being used in Restoration Works:- Brick bats

(ii) Equipment's/Tools being used in Restoration works:- Tractor and rammer etc.

(iii) Procedure taken up in Restoration Works:- Manual Laying and compaction of - Brick bats.

(iv) Restored Length:- 92.85 M

(B) For Bridge:-

1 Damage Location/Chainage:-

2 Damage Length:-

3 Nature of Damage:-

4 Details of Restoration Works:-

(i) Material being used in Restoration Works:-

(ii) Equipment's/Tools being used in Restoration works:-

(iii) Procedure taken up in Restoration Works:-

(iv) Restored Length:-

N/A

work found satisfactory.

Signature of JE/AE/EE

6/12/21
J.E.

06/12/2021

Signature

(Name of Inspection)

06/12/21



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

HEAD-FDR 2021

STATE:-BIHAR

DISTRICT:-Darbhanga

CIRCLE:-Darbhanga

DIVISION:-Darbhanga-2

BLOCK:-Keoti

NAME OF WORK:-

Detail Estimate for Restoration under F.D.R 2021 for
Pindaruch Baluaha to Mahadalit tola

TOTAL COST FOR MOTORABLE Rs. 1.268 Lacs

Rs 1.117 Lacs

AA Copy

T/S copy

Submitted By:-

Executive Engineer

RWD(W) Division, Darbhanga-2

Abstract of Cost

NAME OF SCHEME : **FDR 2021**
 NAME OF ROAD : **Pindaruch Baluaha to Mahadalit tola**
 DISTRICT : **Darbhanga**
 BLOCK : **Keoti**
 DIVISION : **Darbhanga-2**
 LENGTH OF ROAD : **1.65 km**

Sl. No.	DESCRIPTION	AMOUNT
	RESTORATION WORK USING BRICK BATS	94590=00
	TOTAL COST OF WORK (Total quantity 53.542 m ³ @ RATE Rs 2004.958)	₹1,07,348.46
	ADD GST @ 12 %	11351=82
	ADD LABOUR CESS @ 1 %	946=00
	ADD SEIGNIORANGE FEE((Total quantity 53.542 x Rs 1032.00)x 10%)	4869=00
	TOTAL COST	₹1,26,829.24

[Signature]
 JE
 RWD
 Keoti

[Signature]
 AE
 RWD
 Keoti

[Signature]
 EE
 RWD
 Darbhanga-2

कार्यपालक अभियंता द्वारा कर वि० कार्य प्रमाणन मधुबनी
 पत्रांक :- 597 मधु. दिनांक :- 12/03/2022 के द्वारा समाप्त
 और प्रमाणित किया गया है।
 ₹ 1,26,829.24 (Rupees one-
 lac eleven thousand seven hundred fifty-
 six only).

[Signature]
 Superintending Engineer
 RWD Works Circle, Darbhanga

प्रशासनिक प्रतिवेदन

पथ का नाम : Pindaruch Baluaha to Mahadalit tola
पथ की लंबाई : 1.65 km
प्राक्कलित राशि : ~~1.268~~ लाख 1.117 लाख
प्रमंडल का नाम : दरभंगा 2
अंचल का नाम : दरभंगा
योजना शीर्ष : 3054
योजना वर्ष : 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक मु.अ. 4 (क) वि.वि.अ. 23-60/2020-1937 दिनांक 07/07/2021 के आदेशानुसार पथ में कराये गये यातायात पुनर्स्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन Pindaruch Baluaha to Mahadalit tola पथ में Bricks Bats से Motorable कराये गये कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयकारी बाढ़/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थायी यातायात पुनर्स्थापन कार्य किया गया है।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनुसूचित दर पर, जो संवेदक लाभांश को छोड़कर था, उसे प्रावधान करते हुए तैयार किया गया है।

अतः किये गये कार्यों के भुगतान हेतु प्राक्कलन की प्रशासनिक स्वीकृति अपेक्षित है।


4.11.2021

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रसाखा-केवटी


4.11.21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अबर प्रमंडल- केवटी


4.11.21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल- दरभंगा 2

Detailed Estimate of Flood Damaged Road

Name of Division:- Darbhanga-2
 Name of Work:- Pindaruch Baluaha to Mahadalit tola
 Name of Scheme:- FDR 2021
 Length(in Km):- 1.65 km

Block:- Keoti
 District:- Darbhanga

Sl. No.	SOR Sl.No.	Items of Work				
		Particulars	Details of Actual Measurement			Quantity(m ³)
1	6.61 WRD BIHAR	Providing and laying of Bricks bats with carriage by tractor loading with front end loader with light ramming etc all complete job	No.	Length(m)	Breadth(average)(m)	Depth(average)(m)
			1	7.50	2.00	(0.30+0.45)/2
			1	13.40	(1.0+1.20)/2	0.60
			1	5.95	(1.50+0.50)/2	0.40
			1	21.45	1.00	0.45
			1	3.50	0.50	0.45
			1	12.00	(1.30+1.0+0.90)/3	0.50
			1	30.00	(2.0+2.4)/2	0.30
			Total			53.542

Junior Engineer
 RWD
 Keoti

Asstt. Engineer
 RWD
 Keoti

Executive Engineer
 RWD
 Darbhanga-2

Total
 53.542
 47.178

24/11/2021
 24/11/21
 24/11/21

Sl.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
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BRICK BATS PITCHING MANUAL MEANS

1
D Labour for laying dry graded Jhama Khoā or stone filter under Brick pitching or Boulder Pitching in slope or apron
ar 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	304.00	912.00
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b) Over Heads @ 12% on (a)

109.44
1,021.44

Cost for 2.832 cum

Rate per cum (Rs) 360.68

Total Cost cum 360.68

RCD Cost of Haulage Excluding Loading and Unloading

Haulage of materials by Tractor excluding cost of loading, unloading and stacking

Unit = t.Km

Taking output = 3.60 tonnes load and lead 10 km=36.0 t.km

(i) Surface Road

Speed with Load:15 km/hour

Speed while Returning empty:25km/hour.

a) Machinery

Tractor 3.6 tonne capacity

Time taken for onward haulage with load	hour	0.667	612.00	408.20
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Time taken for empty return trip.	hour	0.400	612.00	244.80
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b) Over Heads @ 12% on (a)

78.36

Cost for 36 t Km=a+b 731.36

Rate per t.km=(a+b)/36 20.32

Total Cost t.Km 20.32

(ii) Unsurfaced Graveled Road

Speed with Load:12 km/hour

Speed while Returning empty:20km/hour.

a) Machinery

Tractor 3.6 tonne capacity

Time taken for onward haulage with load	hour	0.833	612.00	509.80
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Time taken for empty return trip.	hour	0.500	612.00	306.00
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b) Over Heads @ 12% on (a)

97.90

Cost for 36 t Km=a+b 913.69

Rate per t.km=(a+b)/36 25.38

Total Cost t.Km 25.38

(iii) Katcha Track and Track in River Bed/Nallah Bed and Choe Bed

Speed with Load:10 km/hour

Speed while Returning empty:15km/hour.

a) Machinery

Tractor 3.6 tonne capacity

Time taken for onward haulage with load	hour	1.000	612.00	612.00
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Time taken for empty return trip.	hour	0.667	612.00	408.20
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b) Over Heads @ 12% on (a)

122.42

Cost for 36 t Km=a+b 1,142.63

Rate per t.km=(a+b)/36 31.74

Total Cost t.Km 31.74

Sl. No.	SOR Sl. No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
1.1RCD		Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kanker/Moorum				
		Placing Tractor at Loading point, loading with front loader, dumping turning for return trip, excluding 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	5 Min			
		Cum per hour				
		iii) Maneuvering, reversing, dumping and turning for return	0 Min			
		iv) Waiting time, unforeseen contingencies etc	0 Min			
		Total	6 Min			
		a) Labour				
		Mate	day	0.03	321.00	9.63
		Mazdoor for loading and unloading	day	0.72	304.00	218.88
		b) Machinery				
		Tractor 3.6 tonne capacity	hour	0.1	612.00	61.20
		Front end-loader 1 cum bucket capacity @25 cum/hour	hour	0.083	1594.00	132.30
		c) Over Heads @ 12% on (a+b)				50.64
		Cost for 2.25 cum=(a+b+c)				472.65
		Rate per cum (Rs)				210.07
Note:-		Unloading will be done manually				
		1 Supplying for Brick Bats (with OH)				
		A. Basic Rate of Brick Bats	Per Cum		1032.00	1032.00
		Add overhead charges		12%		123.84
		Total				1155.84
		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)				
		$((1.6 \times 7 \times 20.32) + (1.6 \times 1 \times 31.74) + (210.07))$				488.438
		C. Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1(with OH)				360.68
		Total (A+B+C)				2004.96
		For (7km.p+1kmk)= without (GST+LC+SF)				2004.96
		For (6km.p+1kmk)= without (GST+LC+SF)				1972.45
		For (5km.p+1kmk)= without (GST+LC+SF)				1939.93
		For (4km.p+1kmk)= without (GST+LC+SF)				1907.42
		For (3km.p+1kmk)= without (GST+LC+SF)				1874.91