

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 :- 29/11/21

Name of PIU :- Executive Engineer, R.W.D., Works Division, Darbhanga-2.

Name of Block :- Jale

Name of Road :- PWD Road Aaya Baghaul to Baghaul Sairish. sthan

(A) For Road :-

1. Damage Location/Chainage :- 35.00 to 350.00 m

2. Damage Length :- 13.70 m.

3. Nature of Damage :- Road crust & flume.

4. Details of Restoration Work :-

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

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

(iii) Procedure taken up in Restoration Works :- Filling of Brick bats.

(iv) Restored Length :- 13.70 m.

(B) For Bridge :-

1. Damage Location/Chainage :-

2. Damage Length :-

3. Nature of Damage :-

4. Details of Restoration Work :-

(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 :-

work found satisfactory.

Signature of JE/AE/EE

6/12/21
J.R.

06/11/21
AE

Signature

16/12/21

(Name of Inspecting Officer)



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

HEAD-FDR 2021

STATE:-BIHAR

DISTRICT:-Darbhanga

CIRCLE:-Darbhanga

DIVISION:-Darbhanga-2

BLOCK:-Jale

NAME OF WORK:-

Detail Estimate for Restoration under F.D.R 2021
for P.W.D Road Aaya Baghaul to Baghaul Sailesh
Asthan ✓

TOTAL COST FOR MOTORABLE Rs. ~~0.621~~ ^{0.514} Lacs

AA Copy

T/S Copy

Submitted By:-
Executive Engineer
RWD(W) Division, Darbhanga-2

प्रशासनिक प्रतिवेदन

पथ का नाम
Asthan

P.W.D Road Aaya Baghaul to Baghaul Sailesh

पथ की लंबाई : 1.025KM

प्राक्कलित राशि : 0.621 लाख 0.514 लाख

प्रमंडल का नाम : दरभंगा 2

अंचल का नाम : दरभंगा

योजना शीर्ष : 3054

योजना वर्ष : 2021-22

प्रस्तुत प्राक्कलन विभागीय पत्रांक 8.30-4/180/21-60/2020-1927 दिनांक 07/07/2021 के आदेशानुसार पथ में कराये गये यातायात पुनर्स्थापना कार्य के निमित्त तैयार की गयी है।

यह प्राक्कलन P.W.D Road Aaya Baghaul to Baghaul Sailesh Asthan पथ में Bricks Bats से Motorable कराये गये कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयंकारी बाढ़/अतिबृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थाई 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।

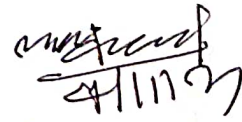
अतः किये गये कार्यों के भुगतान हेतु प्राक्कलन की प्रशासनिक स्वीकृति अपेक्षित है।


2.11.2021

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रसाखा-जाले


21/11/2021

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल-जाले


21/11/2021

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल- दरभंगा 2

Abstract of Cost

NAME OF SCHEME : FDR 2020
 NAME OF ROAD : P.W.D Road Aaya Baghaul to Baghaul Sailesh Asthan
 DISTRICT Darbhanga
 BLOCK Jale
 DIVISION Darbhanga-2
 LENGTH OF ROAD 1.025km

Sl. No.	DESCRIPTION	AMOUNT
	RESTORATION WORK USING BRICK BATS	43566.00
	TOTAL COST OF WORK (Total quantity 21.727 m ³ @ RATE Rs 2004.958)	₹ 52,578.35
	ADD GST @ 12 %	₹ 6,309.40
	ADD LABOUR CESS @ 1 %	₹ 525.78
	ADD SEIGNIORANGE FEE ((Total quantity 21.727 x Rs 1032.00) x 10%)	₹ 2,270.63
	TOTAL COST	₹ 62,119.87

Rs 51472.00

[Signature]
 2-11-2021
 JE
 RWD
 Jale

[Signature]
 21/11/2021
 AE
 RWD
 Jale

[Signature]
 4/11/21
 EE
 RWD
 Darbhanga-2

Qty of Brick bats = 21.727 m³
 Amt. Rs 51472.00

कार्यपालक अभियंता जाला कार वि० कार्य प्रमण्डल मधुबनी का
 पत्रांक:- 597 दिनांक:- 12/03/2022 के द्वारा कार्य प्रतिवेदन
 के आधार पर

TIS for Rs 51472=00 (Rupees fifty -
 one thousand four hundred seventy two) only.

[Signature]
 20/2/21
 Superintending Engineer
 RWD Works Circle, Darbhanga

Detailed Estimate of Flood Damaged Road

Block:- Jale
District:- Darbhanga

Darbhanga-2
P.W.D Road Aaya Baghaul to Baghaul Sailesh Asthan
FDR 2020
1.025km

Name of Division:-
Name of Work:-
Name of Scheme:-
Length(in Km):-

P.W.D Road Aaya Baghauli to B-8.						
Name of Division:- FDR 2020						
Name of Work:- 1.025km						
Name of Scheme:-						
Length(in Km):-						
Items of Work						
Providing and laying of Bricks bats with carriage by tractor loading with front end loader with light ramming etc all complete job		Details of Actual Measurement				Quantity(m ³)
SI. No.	SOR Sl.No.	No.	Length(m)	Breadth(average)(m)	Depth(average)(m)	
1	6.61 WRD BIHAR	1	5.50	2.90	(0.80+1.20+0.95)/3	15.684
		1	2.00	1.00	(0.60+0.95)/2	1.550
		12	3.10	2.00	(0.65+0.80)/2	8.990
Total						26.224
Damage Length						21.729

At Chainage 035m
At Chainage 350m

[Signature]
Executive Engineer
RWD
Darbhanga-2

[Signature]
Asstt. Engineer
RWD
Jale

[Signature]
2.11.2021
Junior Engineer
RWD
Jale

Verified,
B.Bats Qty = 21.729 m³

[Signature]
25/11/21
AE

SL	DESCRIPTION	Unit	Quantity	Rate	Amount In Rs
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BRICK BATS PITCHING MANUAL MEANS

Labour for laying dry graded Jhama Khas 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)

Nos. 3.00 304.00 912.00

b) Over Heads @ 12% on (a)

109.44

Cost for 2.832 cum

1,021.44

Rate per cum (Rs)

360.68

360.68

Total Cost cum

1.4 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: 25 km/hour.

a) Machinery

Tractor 3.6 tonne capacity

hour 0.667 612.00 408.20

Time taken for onward haulage with load

hour 0.400 612.00 244.80

Time taken for empty return trip.

78.36

b) Over Heads @ 12% on (a)

731.36

Cost for 36 t Km=a+b

20.32

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

20.32

Total Cost t.Km

(ii) Unsurfaced Graveled Road

Speed with Load: 12 km/hour

Speed while Returning empty: 20 km/hour.

a) Machinery

Tractor 3.6 tonne capacity

hour 0.833 612.00 509.80

Time taken for onward haulage with load

hour 0.500 612.00 306.00

Time taken for empty return trip.

97.90

b) Over Heads @ 12% on (a)

913.69

Cost for 36 t Km=a+b

25.38

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

25.38

Total Cost t.Km

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

Speed with Load: 10 km/hour

Speed while Returning empty: 15 km/hour.

a) Machinery

Tractor 3.6 tonne capacity

hour 1.000 612.00 612.00

Time taken for onward haulage with load

hour 0.667 612.00 408.20

Time taken for empty return trip.

122.42

b) Over Heads @ 12% on (a)

1,142.63

Cost for 36 t Km=a+b

31.74

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

31.74

Total Cost t.Km

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 Cum per hour	5 Min			
		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
						50.64
		c) Over Heads @ 12% on (a+b)				472.65
		Cost for 2.25 cum=(a+b+c)				210.07
		Rate per cum (Rs)				
	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