

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:- 23/11/2021

Name of PIUs:- E. E. RWD work Division, Darbhanga- 2

Name of Block/Road:- Keozi

(A) For Road:- To S to Kamal dah.

1 Damage Location/Chainage:- 1650 - 2654 m

2 Damage Length:- 69.75 m

3 Nature of Damage:- Breach, & 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 & Hammer

(iii) Procedure taken up in Restoration Works:- Manual laying & Compaction of Brick bats

(iv) Restored Length:- 69.75 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
06/12/2021
JE

Signature
06/12/21
(Name of Inspection)



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
T05 to Kamaldah

TOTAL COST FOR MOTORABLE Rs. ~~2.137~~ Lacs ~~Rs~~ 1.388 Lacs

~~AA Copy~~

T/S - copy

Submitted By:-

Executive Engineer

RWD(W) Division, Darbhanga-2

प्रशासनिक प्रतिवेदन

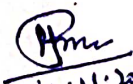
पथ का नाम : T05 to Kamaldah
पथ की लंबाई : 3.254 km
प्राक्कलित राशि : ~~2.137~~ लाख 1.388 लाख
प्रमंडल का नाम : दरभंगा 2
अंचल का नाम : दरभंगा
योजना शीर्ष : 3054
योजना वर्ष : 2021-22

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

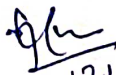
यह प्राक्कलन T05 to Kamaldah पथ में Bricks Bats से Motorable कराये गये कार्य के लिए तैयार की गई है। वर्ष 2021 में आयी प्रलयकारी बाढ़/अतिवृष्टि के कारण पथ कई जगहों पर क्षतिग्रस्त हो गया था जिसके कारण आवागमन अवरुद्ध हो गई थी जिसमें अस्थाई यातायात पुनर्स्थापन कार्य किया गया है।

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।


4.11.21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रसाखा-केवटी


4.11.21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अबर प्रमंडल- केवटी


6.11.21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल- दरभंगा 2

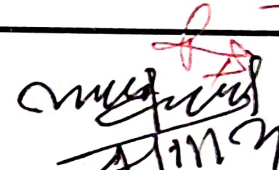
Abstract of Cost

NAME OF SCHEME : FDR 2021
NAME OF ROAD : T05 to Kamaldah
DISTRICT : Darbhanga
BLOCK : Keoti
DIVISION : Darbhanga-2
LENGTH OF ROAD : 3.254 km

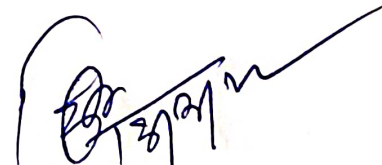
Sl. No.	DESCRIPTION	AMOUNT
	RESTORATION WORK USING BRICK BATS	
	TOTAL COST OF WORK (Total quantity 90.223 m ³ @ RATE Rs 2004.958)	₹ 1,80,894.20
	58-61 ADD GST @ 12 %	₹ 21,707.30
	ADD LABOUR CESS @ 1 %	₹ 1,808.94
	ADD SEIGNIORANGE FEE((Total quantity 90.223 x Rs 1032.00)x 10%)	₹ 9,311.06
	58-61 TOTAL COST	₹ 2,13,721.51


4.11.2021
JE
RWD
Keoti


4.11.21
AE
RWD
Keoti


4.11.21
EE
RWD
Darbhanga-2

आवेदनक आगमना आगमनाको कार्यप्रमाण अनुमति
पत्रिक:- 597 अङ्क दिनांक 12/03/2022 ई.स.। समीक्षा उपर-
प्रतिवेष्ट के आया पत्र।
₹ 1,38,836/- for Rs 1,38,836=00 (Rupees one
- one thirty eight thousand eight hundred
- thirty six) only.


Superintending Engineer
RWD Works Circle, Darbhanga

Detailed Estimate of Flood Damaged Road

Block:- Keoti
District:- Darbhanga

Name of Division:- Darbhanga-2
Name of Work:- T05 to Kamaldah
Name of Scheme:- FDR 2021
Length(in Km):- 3.254 km

SI. No.		SOR SI.No.	Items of Work				
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				
Particulars At Chainage 1650m At Chainage 2054m At Chainage 2654m			Details of Actual Measurement				Quantity(m ³)
			No.	Length(m)	Breadth(average)(m)	Depth(average)(m)	
			1	3.85	2.50	0.30	2.888
			2	4.25	3.00	0.40	10.200
			1	2.50	1.95	0.20	0.975
			1	3.45	(1.0+0.65)/2	(0.60+0.70)/2	1.850
			1	30.00	2.70 + 2.30 / 2	(0.30 + 0.55) / 2	10.500 26.2
			1	17.50	2.7 2.60	(0.45 + 0.35) / 2	30.078 14.7
			1	3.95	2.10	0.2 0.20	2.733 1.66

58.61

Executive Engineer

RWD
Darbhanga-2

65.500 69.750H

Asstt. Engineer

RWD
Keoti

4.11.2021

Junior Engineer

RWD
Keoti

23/11/2021

23/11/21

23/11/21

23/11/21

Sl.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
	BRICK BATS PITCHING MANUAL MEANS				
1	Labour for laying dry graded Jhama Khoā 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
	Total Cost	cum			360.68
CD	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
	Time taken for empty return trip.	hour	0.400	612.00	244.80
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
	Time taken for empty return trip.	hour	0.500	612.00	306.00
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
	Time taken for empty return trip.	hour	0.667	612.00	408.20
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
1.1	RCD	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 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