



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

YEAR (2020 - 2021)

F.D.R

STATE :- BIHAR

DISTRICT :- Bhojpur

BLOCK :- Barhara

Detail Estimate for Restoration of traffic on Gundi to Bhakura path Under Barhara Block

TOTAL COST OF RESTORATION :- Rs. 8.370 Lacs

TOTAL COST OF PROJECT :- Rs. 8.370 Lacs

SUBMITTED BY:
EXECUTIVE ENGINEER
RWD (W) DIVISION, ARA
BHOJPUR

तकनीकी प्रतिवेदन

जिला-भोजपुर (आरा)

प्रखंड- बड़हरा


योजना का नाम-गुण्डी से भकुरा पथ का यातायात चालू रखने का कार्य।

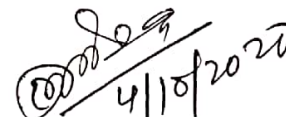
पथ की कुल लंबाई-4.80 कि०मी०


प्राक्कलित राशि-8.370 लाख रू०

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है। जिसकी प्राक्कलित राशि 8.370 लाख रू० है। भारी वर्षा के कारण पथ पर जल-जमाव हो गया उस समय भारी वाहन पथ से गुजरने के कारण पथ पूर्ण रूप से बंद हो गया। यातायात सूचारु रूप से कायम रखने हेतु ब्रीक बैट्स के टुकड़े से गद्यों को भरने का प्रावधान इस प्राक्कलन में किया गया है।

प्राक्कलन में प्रयुक्त दर वर्तमान अनुसूचित दर पर तैयार किया गया है। कार्य हित में तकनीकी अनुमोदन एवं प्रशासनिक स्वीकृति अपेक्षित है। यह प्राक्कलन कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, आरा के निर्देशानुसार तैयार किया गया है।


कनीय अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रशाखा, बड़हरा


सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल बड़हरा


कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, आरा।

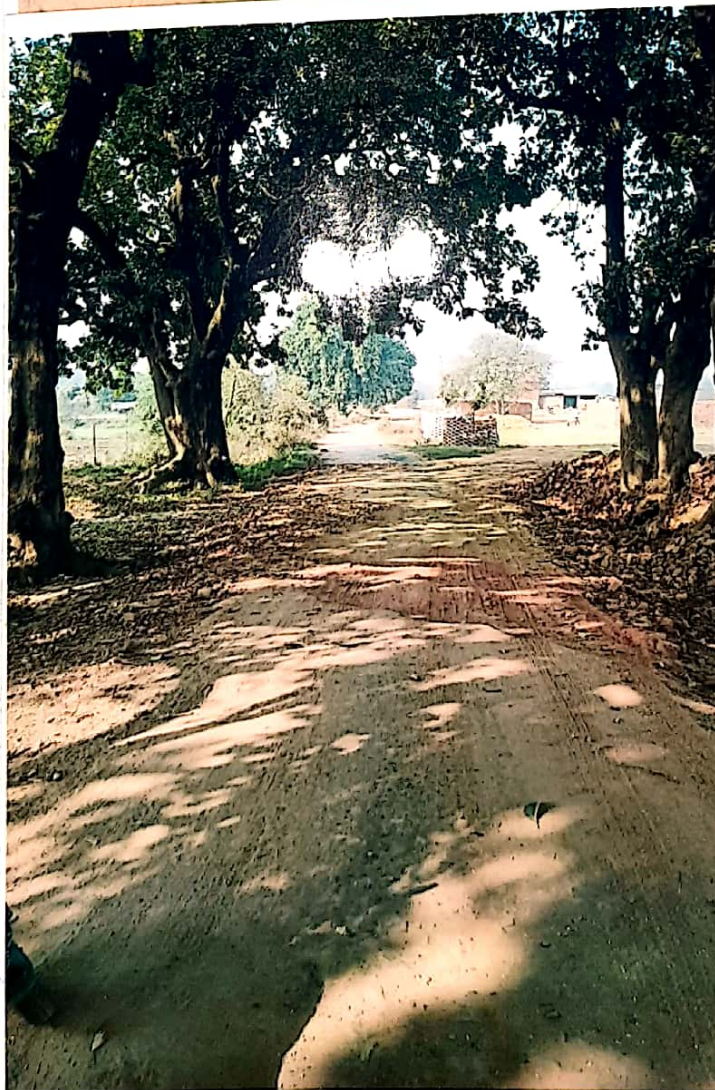


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कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, आरा



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कायपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, आरा

E.D.R

YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:--Barhara


District:--Bhojpur


Name of Road:--


Detail Estimate for Restoration of traffic on Gundi to
Bhakura path Under Barhara Block

SL. No.	Item of Work	Amount
A		
	TOTAL COST OF RESTORATION	7.033 8.370 Lacs
	Sub Total= (A)	8.370 Lacs
		7.033
	TOTAL cost of project	8.370 Lacs

7.033 / Lacs


Junior Engineer
RWD (w) Section,
Barhara


Asstt. Engineer
RWD (w) Sub Division, Barhara


Executive Engineer
RWD (w) Division, Ara

9/3 B/13/2020
20/12/2020
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, प्रीतो (भोजपुर)

Technically approved for Rs. 7.033 Lacs (Rupees
Seven Lacs Three Thousand & Three
hundred) only.


Superintending Engineer
Rural Works Department
Works Circle, Ara

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detail Estimate for Restoration of traffic on Gundl to Bhakura path
Under Barhara Block

DISTRICT

Bhojpur

BLOCK

Barhara

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BAT'S WORK	6.143 7.306
		6.143 7.306
	12% GST on Total Amount :-	0.737 0.877
	1% Lab Cess :-	0.061 0.073
	Seigniorage Fee :-	0.092 0.114
	Total Constriction Cost (including GST and Labour Cess & SF) (A) :-	7.033 8.370
	TOTAL COST OF PROJECT IN LACS(including GST 12% & 1% Lab Cess & SF) :-	7.033 8.370

Junior Engineer

RWD (w)Section , Barhara

Assistant Engineer

RWD (w)Sub Division , Barhara

Executive Engineer

RWD (w) Division,
Ara

9/5 B.Y.K.S.H.
20/12/2020
कार्यपालक अभियंता
बामीण कार्य विभाग
कार्य प्रमंडल, पीरे (भोजपुर)

Sl. No.	SDB Sl. No	NORD Ref. No	Description	Unit	QUANTITY	RATE	AMOUNT (In Rs.)
			Sub Head : PAVEMENT WORK				
1		RCD	Brick Bat Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L.				
Filling and levelling in Ditch							
KM 1							
			Ditch 1	Cum	1	7.00	2.63
			Ditch 2	Cum	1	11.00	3.96
			Ditch 3	Cum	1	15.00	4.73
			Ditch 4	Cum	1	14.50	4.64
			Ditch 5	Cum	1	15.00	6.00
			Ditch 6	Cum	1	10.50	2.84
			Ditch 7	Cum	1	12.50	6.25
			Ditch 8	Cum	2	5.50	3.52
			Ditch 9	Cum	1	18.50	5.55
			Ditch 10	Cum	1	21.50	3.87
			Ditch 11	Cum	1	6.50	2.44
			Ditch 12	Cum	1	7.80	3.28
			Ditch 13	Cum	1	10.50	3.78
			Ditch 14	Cum	1	12.80	5.12
KM 2							
			Ditch 1	Cum	1	15.50	4.88
			Ditch 2	Cum	1	5.50	2.20
			Ditch 3	Cum	1	12.50	4.50
			Ditch 4	Cum	1	15.80	4.74
			Ditch 5	Cum	1	12.80	3.84
			Ditch 6	Cum	1	7.80	4.06
			Ditch 7	Cum	1	12.50	5.50
			Ditch 8	Cum	1	15.50	6.28
			Ditch 9	Cum	1	30.50	11.44
			Ditch 10	Cum	1	25.50	9.18
			Ditch 11	Cum	1	45.50	21.50
			Ditch 12	Cum	1	35.80	11.46
			Ditch 13	Cum	1	15.50	3.49
			Ditch 14	Cum	1	21.80	8.83
			Ditch 15	Cum	1	10.50	5.25
			Ditch 16	Cum	1	35.80	11.46

FORMAT F6

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SEIGNIORAGE FEE										
Sl. No.	SDB Sl.No	MORD Ref.No	Description	Unit	Quantity	Rate	Amount (In Rs.)	Total Material Required	Material Amount	Add Seigniorage Fee 10%
1	RCD		Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L							
			Unit = cum							
		a)	Material							
			Brick Bats							
				Nos.	450.00	0.70	316.85			
			Rate Per Cum = (a) =				316.85			
			Total Cost =	Cum			316.85	360.94	1,14,365.28	11,436.53
10% Seigniorage Fee :-										11,436.53

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कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, आरा

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04/10/2020

Name of Road:-

District:-

Detail Estimate for Restoration of traffic on Gundi to Bhakura path Under Brahara Block

Bhojpur

Block :- Brahara

SI No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km		Loading & Unloading Cost	Carriage Cost by Bull Head	Total
7	Brick	1000 Nos	Local	8.00	Pucka / Surface	8.00	Katcha	
				2.00 x 6.83 x 7.00 Km = Rs 191.24		2.00 x 16.54 x 1.00 Km = Rs 66.16		
						446.72		Rs. 704.12

Cost of Haulage Excluding Loading & Unloading as per SOR

* Subjected to Verification of Lead

Type of Road	Per Ton. Km by Truck
For Surface Road	6.83
Unsurface Gravel Road	8.22
Kachha Road	16.54

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24/10/2020

कायपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, आरा

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24/10/2020

Sl. No.	SDB Sl. No.	MORD Ref No.	Analysis of Rates (FORMAT F8)				
			DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
4	1.10	(i)	Haulage BY TRUCK Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-I : Surfaced Road Speed with load: 25 km per hour Speed while returning empty: 35 km per hour a) Machinery Truck 10 t capacity Haulage with load Empty return trip b) Overheads @ 6 % on (a) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	0.40 0.29	934.30 934.30	373.72 270.95 38.68 683.35 6.83
5	1.10	(ii)	Haulage BY TRUCK Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 t.km Case-II: Unsurfaced Gravel Road. Speed with load: 20 km/hour Speed for empty return trip: 30 km/hour a) Machinery Truck 10 t capacity Haulage with load Empty return trip b) Overheads @ 6 % on (a) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	0.50 0.33	934.30 934.30	467.15 308.32 46.53 822.00 8.22
6	1.10	(iii)	Haulage BY TRUCK Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking. Unit = t.km Taking output 10 t load and lead 10 km = 100 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 Truck 10 t capacity Haulage with load Empty return trip b) Overheads @ 6 % on (a) Cost for 100 t-km = a+b+c Rate per cum = (a+b+c) / 100	hour hour	1.00 0.67	934.30 934.30	934.30 625.98 93.62 1653.90 16.54
14	1.3	(i)	Loading, Unloading and Stacking of Bricks by Manual Means Loading of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos. a) Labour Mate Mazdoor (Unskilled) b) Machinery Truck c) Overheads 6 % on (a+b) d) Contractor's profit @ 10% on (a+b+c) Cost for 2000 Nos. = a+b+c+d Rate for 1000 bricks = (a+b+c+d)/2	day day hour	0.01 0.25 0.33	305.00 287.00 934.30	3.05 71.75 308.32 22.99 40.61 446.72 223.36
			Total Cost	no.			223.36

Sl. No.	SDS Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
15		(II)	Unloading and Stacking of Bricks by manual means including a Unit = 1000 Nos. Taking output = 2000 Nos.				
		a)	Labour				
			Mate	day	0.01	305.00	3.05
			Mazdoor (Unskilled)	day	0.25	287.00	71.75
		b)	Machinery				
			Truck	hour	0.33	934.30	308.32
		c)	Overheads 6 % on (a+b)				22.99
		d)	Contractor's profit @ 10% on (a+b+c)				40.61
			Cost for 2000 Nos. = a+b+c+d				446.72
			Rate for 1000 bricks = (a+b+c+d)/2				223.36
			Total Cost	no.			223.36
			Total Lodging & Unloading of Brick Per 1000 = 223.36 + 223.36 =				
							446.72
	RCD		BRICK BATS				
11.9			Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L For 1 cum = 1.5cum				
		a)	Labour				
			Mazdoor (Unskilled)	day	2.00	287.00	574.00
		b)	Material				
			Brick Bats	no.	1.50	1108.00	1,662.00
		c)	Carriage Cost				
			No. of Bricks Per Cum 300 (850 for 100cft)	no.	450.00	0.704	316.85
			Total Cost				2,552.85
			A) Rate Per Cum				1,701.90
	WRD BIHAR		Labour for laying dry graded jhama khoa for stone filter under brick pitching or boulder pitching in slope or including light ramming etc. all complete job as per approved design and direction of E/L				
			UNIT = Per Cum Taking Output = 2.832cum				
		a)	Labour				
			Mazdoor (Unskilled)	day	3.00	287.00	861.00
			Overheads @ 6 % on (a+b+C)				51.66
			Rate for 2.832 cum				912.66
			B) Rate Per Cum				322.27
			Total Cost of Brick Bat per cum (A+B)	cum			2024.17

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4/10/2020

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04/10/2020
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, आरा

निरीक्षण प्रतिवेदन

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, आरा का पत्रांक-791 दिनांक-30.10.2020 के द्वारा दिये गये निदेश के अनुपालन में कार्य प्रमंडल आरा के आरा, कोइलवर एवं बड़हरा प्रखंडों के अन्तर्गत वर्ष 2020 के बाढ़ एवं अतिवृष्टि से क्षतिग्रस्त निम्नलिखित पथों के Temporary Restoration वाले कार्य रथलो का निरीक्षण किया गया एवं उन पथों को Motorable पाया गया।

Sl No.	Name of Road	Length (In K.M)	Block
1	Gidha Mokhalisa to Birampur Khesarahiya Bagh Majhuwan Path	10.00	Koilwar
2	Traffic on Gundi to Bhakura path	4.80	Barhara
3	Traffic on Buxer Patna bypass road to Chitrasn hote hueGundi path	7.00	Ara
4	Traffic on Ara Salempur PWD path to Sukalpura via Dariyapur path	4.00	Ara
5	Traffic on Koilwar Babhua PWD road to Manachak road	2.00	Koilwar

B/w
24/12/2020
Koilwar

B/w
24/12/2020
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, पीरो।

B/w
24/12/2020
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, आरा



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