



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 Durgpur
Shivpur Pharhada to Sabalpur under Barhara Block**

TOTAL COST OF RESTORATION :- Rs. 10.839 Lacs

TOTAL COST OF PROJECT :- Rs. 10.839 Lacs

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

तकनीकी प्रतिवेदन

जिला-भोजपुर (आरा)

प्रखंड- बड़हरा

योजना का नाम-दुर्गापुर शिवपुर फरहदा से सबलपुर यातायात चालू करने का कार्य।

पथ की कुल लंबाई-5.90 कि०मी०

प्राक्कलित राशि- 10.839 लाख रू०

प्रस्तुत प्राक्कलन उपरोक्त कार्य हेतु तैयार किया गया है जिसकी प्राक्कलित राशि-10.839 लाख रू० है। यह पथ सरैया से दुर्गापुर शिवपुर से सबलपुर जाने का मुख्य भाग है। इस पथ में बने पुल के दोनों तरफ के परापेट वॉल टुट कर नीचे गिर जाने कारण यातायात बंद हो गया था। जिसका मरम्मत कार्य कराना काफी आवश्यक था। आवगमन को सुचारु करने हेतु ब्रीक बैट्स के टुकड़े से गद्दों 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 हैं।


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।

Restoration Work on Durgpur Shivpur Pharhada to Sabalpur



6/10/2020
K. R. Singh

15.10.20

15/10/2020

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
10/10/2020

मार्गदर्शक

मार्गदर्शक



Ref. No. 1041 - 15/10/2020
15/10/2020
15/10/2020

24/10/2020
कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, आरा

Restoration Work on Durgpur Shivpur Pharhada to Sabalpur



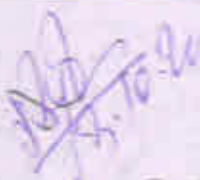
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15/10/20

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5/11/2020

अध्यक्ष
15/10/20

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, आरा




 5.10.20
 5/10/2020
 5/10


 05/10/20
 कार्यपालक अभियंता
 ग्रामीण कार्य विभाग,
 कार्य प्रमण्डल, आरा

F.D.R

YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:-Barhara

District:-Bhojpur

Name of Road:-

Detail Estimate for Restoration of traffic on Durgpur Shivpur
Pharhada to Sabalpur under Barhara Block

SL No.	Item of Work	Amount
A		8.989
	TOTAL COST OF RESTORATION	10.839 Lacs
	Sub Total= (A)	10.839 Lacs
		8.989
	TOTAL cost of project	10.839 Lacs

8.989 / lacs


Junior Engineer
RWD (w)Section,
Barhara


Asstt. Engineer
RWD (w)Sub Division, Barhara


Executive Engineer
RWD (w) Division, Ara

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detail Estimate for Restoration of traffic on Durgpur Shilpur
Pharhada to Sabalpur under Barhara Block

DISTRICT

Bhojpur

BLOCK

Barhara

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
		295468.20
		9.461
1	BRICK BATS WORK	295468.20
		9.461
	12% GST on Total Amount :-	95456.20
		1.135
	1% Lab Cess :-	2955.20
		0.095
	Seigniorage Fee :-	12445.20
		0.148
	Total Constriction Cost (including GST and Labour Cess & SF) (A) :-	898879
		10.839
	TOTAL COST OF PROJECT IN L/CS (including GST 12% & 1% Lab Cess & SF) :-	8.989
		10.839

Junior Engineer

RWD (w) Section, Barhara

Assistant Engineer

RWD (w) Sub Division, Barhara

Executive Engineer
RWD (w) Division,
Ara

कार्यपालक अधिवक्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल-डुमराँव

Technically approved : for Rs. 8.989 Lakh / Rupees
Eight lakh ninety Eight Thousand
nine hundred only.

Supervising Engineer
Rural Works Department
WORKS CHIEF, ARA

Sl. No.	Sole No.	Bill No.	Description	Unit		Quantity	Date	Currency (Rs./M)
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	42.00	6.50 avg.	0.900
			Ditch 2	Cum	1	27.00	5.50 avg.	0.600
			Ditch 3	Cum	1	68.00	6.50 avg.	0.300
			Net Qty. Required					
						245.70		
						89.10		
						132.60		
						467.40		
							2024.17	9,46,096
							B) SUB TOTAL =	9,46,096
							TOTAL COST OF PAVEMENT IN RS. (A+B)=	9,46,096

Junior Engineer
RWD (w) Section, Barbara

Executive Engineer
RWD (w) Division, Ara

Carriage by Road

Name of Road:--

District:-
Bhojpur
Block :- Barhara

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km		Loading & Unloading Cost	Carriage Cost by Plant Head	Total
				Pukka / Surface	Katcha			
7	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 6.83 \times 7.00 \text{ Km} = \text{Rs } 191.24$	$\frac{8.00}{2.00} \times 16.54 \times 1.00 \text{ Km} = \text{Rs } 66.16$	446.72		Rs 704.12

* Subjected to Verification of Lead

Cost of Haulage Excluding Loading & Unloading as per SOR

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

04/10/2022

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, आरा

2022/01/15
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Analysis of Rates (FORMAT F8)

Sl. No.	Sub-Item No.	Particulars	Description	Unit	Quantity	Rate	Amount in Rs.
Haulage BY TRUCK							
1	1.10	(i)	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	hour	0.40	934.30	373.72
			Empty return trip	hour	0.29	934.30	270.95
		b)	Overheads @ 6 % on (a)				38.68
			Cost for 100 t.km = a+b+c				683.35
			Rate per cum = (a+b+c) / 100				6.83
			Rate Per Km.	Cum			6.83
5	1.10	(ii)	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	hour	0.50	934.30	467.15
			Empty return trip	hour	0.33	934.30	308.32
		b)	Overheads @ 6 % on (a)				46.53
			Cost for 100 t.km = a+b+c				822.00
			Rate per cum = (a+b+c) / 100				8.22
			Rate Per Km.	Cum			8.22
6	1.10	(iii)	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	hour	1.00	934.30	934.30
			Empty return trip	hour	0.67	934.30	625.98
		b)	Overheads @ 6 % on (a)				93.62
			Cost for 100 t.km = a+b+c				1653.90
			Rate per cum = (a+b+c) / 100				16.54
			Rate Per Km.	Cum			16.54
7	1.3		Loading, Unloading and Stacking of Bricks by Manual Means				
		(i)	Loading of Bricks by manual means including a lead upto 30 m Unit = 1000 Nos. Taking output = 2000 Nos.				
		a)	Labour Man	day	0.01	305.00	3.05
			Woman (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