



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

Pradhan Mantri Gram Sadak Yojana

YEAR (2020-21)

State :- BIHAR
District :- Saharsa
Block :- Nauhatta

**Detailed Estimate for Temporary Restoration of Road
from Improvement of Road from Virjain to Bhelahi
Boarder**

Actual Length of Road	=	9.00 Km
Flood affected Length of Road	=	0.107 Km
TOTAL COST OF PAVEMENT	Rs	1,084,332.18
TOTAL PROJECT COST	Rs	1,084,332.18

Submitted By:
Executive Engineer
RWD (W) Division, Saharsa

Prepared By:
Executive Engineer
RWD (W) Division, Saharsa

प्रतिवेदन

योजना का नाम : Virjain to Bhelahi Border

प्रखंड : नवहट्टा

जिला : सहरसा

पथ की कुल लंबाई : 9.000 कि.मी.

क्षतिग्रस्त पथांश की कुल लंबाई : 0.107 कि.मी.

प्राक्कलित राशि : 1084332.18

इस वर्ष आये भीषण बाढ़ के कारण पथ के 107.00 मीटर लंबाई में जल के दबाव के फलस्वरूप चेनेज 6198.00 से 6200.00 मीटर, 7200.00 से 7202.00, 7575.00 से 7607.00 मीटर, 7636.00 से 7651.00 मीटर, 7710.00 से 7723.00 मीटर, 7951.00 से 7963.00 मीटर, 7990.00 से 7992.00 मीटर, 8060.00 से 8062.00 मीटर, 8550.00 से 8554.00 मीटर, 8582.00 से 8584.00 मीटर, 8643.00 से 8645.00 मीटर, 8740.00 से 8750.00 मीटर एवं 8800.00 से 8809.00 मीटर पर सड़क का कटाव हो गया है। यातायात व्यवस्था चालू करने के लिए ब्रीक्स बैट भरवाया गया है जिसका प्राक्कलन कार्यपालक अभियंता ग्रामीण कार्य विभाग, कार्य प्रमंडल गोगरी से आदेशानुसार निरीक्षण कराकर वर्तमान अनुसूचित दर पर अग्रतर कार्रवाई हेतु अग्रसारित किया जा रहा है।


05/03/2021

कनीय अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रशाखा नवहट्टा


05/03/2021

सहायक अभियंता
ग्रामीण कार्य विभाग,
कार्य अवर प्रमंडल नवहट्टा


05/03/2021

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, सहरसा।

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- Virjain to Bhelahi Boarder

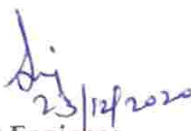
DISTRICT :- Saharsa

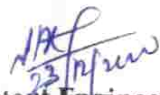
BLOCK :- Nauhatta

Actual Length of Road :- 9.00 Km

Flood Affected Length of Road :- 0.107 Km

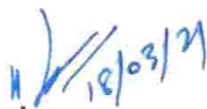
Sr. No.	Description	Amount (In Rs.)
1	Laying & Distribution of Brick bats on affected Road portion as per specification to meet the required slope and proper light Ramming from a specified lead as per direction of E/I.	959,586.00
	Add:-Labour Cess @1% amt. =	9,595.86
	Add:GST@12% on amt. =	115,150.32
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	1,084,332.18


Junior Engineer
RWD (W) Division, Saharsa


Assistant Engineer
RWD (W) Division, Saharsa


Executive Engineer
RWD (W) Division, Saharsa

Technically approved for Rs. 10,84,300.00 (Rupees Ten Lac Eighty four thousand three hundred) only.


Superintending Engineer
R. W.D. Works Circle
SAHARSA

Estimate of Flood affected Road

Name of Road:- Virjain to Bhelahi Boarder

BLOCK :- Nauhatta

District:- Saharsa

SUB HEAD : BRICK BATS

Laying & Distribution of Brick bats on affected Road portion as per specification to meet the required slope and proper light Ramming from a specified lead as per direction of E/I.

Sl. No.	Description	Unit	Nos.	Length (m)	Width (m)	Height / Thickness (m)	Quantity (m3)	Rate (In Rs.)	Amount (In Rs.)
1	As per Annexure-A attched.						511.788	1,874.97	9,59,586.00
511.788									
TOTAL COST OF PAVEMENT IN RS. =									9,59,586.00

Junior Engineer

RWD (W) Division, Saharsa

Assistant Engineer

RWD (W) Division, Saharsa

Executive Engineer

RWD (W) Division, Saharsa

CALCULATION SHEET

Annexure-A

Name of Road:- Virjain to Bhelahi Boarder

Block:- Nauhatta

Length of Road:- 9.00 Km

District:- Saharsa

S. No.	Chainage	Unit	Nos.	Length(m)	Avg.width (m)	Width (m)	Avg.height (m)	Height/ Thickness (m)	Quantity (m ³)
1	CH:-6198.00 to CH:-6200.00	Cum	1	2.00	$\text{Avg}(2.10+1.10)/2$	1.600	$\text{Avg}(0.87+0.79)/2$	0.830	2.656
2	CH:-7200.00 to CH:-7202.00	Cum	1	2.00	$\text{Avg}(3.70+4.60)/2$	4.150	$\text{Avg}(0.68+0.80)/2$	0.740	6.142
3	CH:-7575.00 to CH:-7607.00	Cum	1	32.00	$\text{Avg}(4.20+2.70+2.10)/3$	3.000	$\text{Avg}(0.75+0.85)/2$	0.800	76.800
4	CH:-7636.00 to CH:-7651.00	Cum	1	15.00	$\text{Avg}(7.10+4.30)/2$	5.700	$\text{Avg}(3.30+3.10+2.75)/3$	3.050	260.775
5	CH:-7710.00 to CH:-7723.00	Cum	1	13.00	$\text{Avg}(1.60+1.40)/2$	1.500	$\text{Avg}(0.85+0.65)/2$	0.750	14.625
6	CH:-7951.00 to CH:-7963.00	Cum	1	12.00	$\text{Avg}(1.60+1.40)/2$	1.500	$\text{Avg}(0.75+0.55)/2$	0.650	11.700
7	CH:-7990.00 to CH:-7992.00	Cum	2	2.00	$\text{Avg}(2.10+1.40)/2$	1.750	$\text{Avg}(1.90+1.50)/2$	1.700	11.900
8	CH:-8060.00 to CH:-8062.00	Cum	2	2.00	$\text{Avg}(2.20+1.50)/2$	1.850	$\text{Avg}(1.40+1.30)/2$	1.350	9.990
9	CH:-8550.00 to CH:-8552.00	Cum	1	4.00	$\text{Avg}(4.00+6.50)/2$	5.250	$\text{Avg}(1.20+1.30)/2$	1.250	26.250
10	CH:-8582.00 to CH:-8584.00	Cum	1	2.00	$\text{Avg}(1.20+1.70)/2$	1.450	$\text{Avg}(0.85+0.65)/2$	0.750	2.175
11	CH:-8643.00 to CH:-8645.00	Cum	1	2.00	$\text{Avg}(2.00+1.00)/2$	1.500	$\text{Avg}(0.85+0.95)/2$	0.900	2.700

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22/11/2021



Name of Road:- Virjain to Bhelahi Boarder

Block:- Nauhatta

Length of Road:- 9.00 Km

District:- Saharsa

S. No.	Chainage	Unit	Nos.	Length(m)	Avg.width (m)	Width (m)	Avg.height (m)	Height/ Thickness (m)	Quantity (m ³)
12	CH:-8740.00 to CH:-8750.00	Cum	1	10.00	$\text{Avg}(1.75+2.10+1.85)/3$	1.900	$\text{Avg}(0.85+0.75)/2$	0.800	15.200
13	CH:-8800.00 to CH:-8809.00	Cum	1	9.00	$\text{Avg}(4.00+6.5)/2$	5.250	$\text{Avg}(1.40+1.75+1.35)/3$	1.500	70.875

107.000

Total wash out qty in cum =

511.788

Junior Engineer

RWD (W) DIVISION,SAHARSA

Asstt. Engineer

RWD (W) DIVISION,SAHARSA

Executive Engineer

RWD (W) DIVISION,SAHARSA

Analysis for Carriage

Virjain to Bhelahi Boarder

Name of Road:-

Block :-

District:-

Nauhatia
Saharsa

Flood affected Length of the Road:- 0.107 KM
Actual Length of the Road:- 9.00 Km

SI No	Item	Unit	Source	Carriage Cost & Lead in Km		Loading & Unloading Cost by Rail Head		Total
1	Brick Bats	283	Local	$\frac{3.60}{2.25} \times 18.58$	$\times 5.00 \text{ Km} = \text{Rs } 148.64$	$\frac{3.60}{2.25} \times 29.03$	$\times 2.00 \text{ Km} = \text{Rs } 92.90$	184.38
								425.92

Cost of Haulage Excluding Loading & Unloading as per SOR

* Subjected to Verification of Lead

Type of Road	By Tractor	Per Ton. Km
For Surface Road	18.58	
Unsurface Gravel Road	23.21	
Kachha Road	0.00	

Junior Engineer
RWD (W) Division, Saharsa

Asstt. Engineer
RWD (W) Division, Saharsa

Executive Engineer
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