



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

YEAR (2020 - 2021)

FDR

STATE :- BIHAR
DISTRICT :- Samastipur
BLOCK :- Morwa

NAME OF ROAD :- Detailed Estimate For Repair of Flood
Damaged in L036 To Sahni Tola

TOTAL COST OF CONSTRUCTION :- Rs. 6.207 Lacs ✓

TOTAL COST OF PROJECT :- Rs. 6.207 Lacs ✓

SUBMITTED BY:

EXECUTIVE ENGINEER

RWD (w) DIVISION, DALSINGHSARAI

SAMASTIPUR

TC
TO

WBM
ECU
D ('
MAS

FDR

YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:--Morwa

District:--Samastipur

Name of Road:--

**Detailed Estimate For Repair of Flood Damaged in L036 To
Sahni Tola**

SL. No.	Item of Work	Amount
A		
	TOTAL COST OF CONSTRUCTION	6.207 Lacs
	Sub Total= (A)	6.207 Lacs
	TOTAL cost of project	6.207 Lacs

[Signature]
30/1/2021
Junior Engineer
RWD (w) Section, Morwa

[Signature]
30/1/21
Asstt. Engineer
RWD (w) Sub Division, Morwa

[Signature]
30/1/21
Executive Engineer
RWD (w) Division,
Dalsinghsarai

TC
TO

*Technically Approved for Rs 6,20,700 = 62 Lakhs
Twenty thousand Seven Hundred only.*

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[Signature]
30.1.2021
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बरीलाल बरिवाल विभाग
बरीलाल बरिवाल, बरिवाल

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detailed Estimate For Repair of Flood Damaged in L036 To Sahni

**DISTRICT
BLOCK**

Tola
Samastipur
Morwa

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
		0.266
1	EARTHWORK	5.182
2	BRICK BAT	5.448
	SUB TOTAL OF PAVEMENT COST IN LACS =	5.448
	Sub Total :-	0.654
	12% GST on Total Amount :-	0.054
	1% Lab Cess :-	0.051
	Seigniorage Fee @ 10% :-	6.207
	Total Constriction Cost (including GST and Labour Cess) (A) :-	6.207
	TOTAL COST OF PROJECT IN LACS (including GST 12% & 1% Lab Cess) (A+B+C) :-	6.207

[Signature]
30/1/2021
Junior Engineer
RWD (w) Section, Morwa

[Signature]
20/1/21
Assistant Engineer
RWD (w) Sub Division, Morwa

[Signature]
30.1.21
Executive Engineer
Division,
Dalsinghsarai

Cost Estimate for Road Work

Sl. No.	SDB Sl. No.	MORD Ref. No.	Description	Unit				QUANTITY	RATE	AMOUNT (In Rs.)
SUB HEAD : Embankment										
Earthwork										
1										
			Damaged Strech	cum	50.00	1.9	2.100	0.300	59.85	
			Damaged Strech	cum	20.00	2.2	1.850	0.300	24.42	
			Damaged Strech	cum	56.00	1.8	2.050	0.300	61.99	
			Damaged Strech	cum	33.00	0.9	0.850	0.300	7.57	
									153.836	
									153.836	173.06
										26,622.77

FORMAT 12

20/1/2021

[Signature]
Assistant Engineer
S.M.D. (Sub Division Manager)

Executive Engineer
RWD (w) Division, Dalsinghsarai

Revision

ANALYSIS OF RATES.

BRICK BAT FILLING.

providing brick bats including spreading, laying and packing with C.I. Hammer in layers not exceeding 75MM thick including cost of eight barriers, danger signal, chowkidar, taxes, Royalty, etc. all complete job, as per specifications and directions of E/S including cost of bricks, - - - all complete job.

Unit — cum.

Assuming — 2.892 MS

Cost of Brick bats — 2.892 MS @ 1096 = 00 — Rs 3163 = 87
 Maxdara installed Local Sand 0.692 MS @ 141 = 95 / MS Rs 89 = 65

Labour (unskilled)

1. Carrying, spreading, compacting, packing unskilled labour 1.5 NO @ 287 = 00 — Rs 430 = 50
 Compaction of brick bats with C.I. Hammer 0.670 NO @ 287 = 00 — Rs 192 = 29
 Over head charge @ 6% on (a+b+c) — Rs 228 = 98
 Rate / MS — Rs 1428 = 42 / MS
 Total — 4045 = 29

Carrriage Cost

Carrriage for Bricks (1 MS bat) Rs 500 NO @ 663 = 50 / MS — Rs 199 = 06
 Local Sand 0.320 MS @ 97 = 00 / MS — Rs 21 = 34
 Cost of Sand with Royalty Rs 141 = 95 / MS
 Total Rs 1648 = 81
 Rs 31 = 21
 Rs 1680 = 0:

2. Gravel sub-base, with well Graded Material, Take 40% by Mix and place method for grading

II Material — 300.0 MS
 Labour — 0.48 NO @ 305 = 00 — Rs 146 = 40
 Maxdara installed — 2.0 NO @ 364 = 00 — Rs 728 = 00
 Maxdara installed — 10.0 NO @ 287 = 00 — Rs 2870 = 00

Tractor Material Grader 6.0 Hour @ 573 = 20 — Rs 3439 = 20
 Three wheel 80-100 KM Statistional 30.0 Hour @ 803 = 00 / Hour — Rs 24090 = 00
 10 MS / Hour

Tractor with vibrator 12.0 Hour @ 573 = 20 — Rs 6878 = 40
 25 MS / Hour

Water Tanker 649 Capacity 5.0 Hour @ 184 = 00 — Rs 920 = 00
 Total — 39072 = 00

Found 30% 5.6

Material
 Gravel Graded Gravel sub base 55 MM to 9.5 MM, 9.5% — 134.40 MS @ 604 = 91 / MS — Rs 80695 = 00
 9.5 MM to 2.36 MM, 25% — 96.00 MS @ 514 = 58 / MS — Rs 49440 = 00
 2.36 MM to 0.425 MM, 15% — 153.60 MS @ 141 = 95 / MS — Rs 21788 = 00
 0.425 MM to 0.075 MM, 5% — 40.00 MS @ 40 = 00 / MS — Rs 1600 = 00
 Total — 1,92,133 = 00
 Add over head charge 6% — 11,524 = 00
 Total — 2,03,657 = 00

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af - 2,04,084 = 60

Men / MB Rate — Rs 680 = 28 / MB

Carrage Crf —

hstb material 0.768 MB @ Rs 1221 = 82 / MB Rs 938 = 35

Local Sand 0.512 MB @ Rs 97 = 60 / MB — Rs 49 = 66

Men fixed Rate — Rs 1668 = 20 / MB, Total Rs 988 = 61

Item 110-9

Supply of Empty Cement Bag
(Synthetic should be old but in
good condition of 120 lbs capacity
with Carriage, Local Sand with
Cof and Carriage, Labor Cost,
including Cost of Nylon for filling
Empty Bag through Local Sand, Carriage,
stacking Properly... all complete
job work as per specification and
duration of 219

Qty — 100.00 NO.

old Empty Cement / EC Bag 100.00 NO @ 4 = 07 / Bag — Rs 407 = 60
Stacking 211 Nylon 2 NO @ 30 = 60 / NO Rs 60 = 60
unskilled Labor for filling
Stacking 1.67 NO @ 287 = 60 Rs 479 = 29

unskilled Labor for Carriage and
Packing 9.00 NO @ 287 = 60 Rs 261 = 60
Skilled for Stacking 0.98 NO @ 364 = 60 Rs 120 = 12
Carriage for Empty Cement Bag 100.00 NO

Cost of Local Sand ~~100.00~~ 113 = 23 / NO Rs 11 = 32
Total — 1938 = 73

hire charge of machine $\frac{100 \times 1.2}{35.31} = 3.399 \text{ MB}$
@ Rs 141 = 25 / MB — Rs 482 = 14,
0.332 Hour @ 50 = 60 / Hour — Rs 16 = 60

Add 6% O.H.C. Total — Rs 2437 = 47
Rs 146 = 24
2583 = 71

Men's Rate / Bag — Rs 25 = 84
Carriage for Bag say 0.034 MB 97 = 60 / MB Rs 3 = 20
9.400-4. Provisioning w. B.M. Gravel 29 = 14 / Bag.

... all complete job through
mechanical means.

Found Unit — / MB
30/1/2024 J.E. RATE ANALYSIS
Taking out Put — 360 cum.
LABOUR

Male — 0.68 MB @ 305 = 60 — Rs 207 = 40
unskilled mazzdars — 2.00 NO @ 364 = 60 Rs 728 = 60
15.00 NO @ 287 = 60 Rs 4305 = 60

Men's Rate — 4 = 96 / month.

9 = 87

Machine Bay

Grader Mounted Grader for grading 14.40 — 5792.00 — 8254.00
 100 M³ / hr
 Three wheel R.H. 80-100 km/hr 45.00 — 803.00 — 3619.00
 Water Tank 600 capacity — 240.00 — 184.00 — 241.00
 Material
 Grading 50 mm to 22.5 mm 10.0 M³ — 435.60 — 51244.00
 Stone screening Top 2 17.2 mm 144 kg — 86.40 — 3972.73 — 3436.00
 Water over head charge 6% — 19017.11
 Total 335969.27
 Say 93325/M³

Carriage

Stone Aggregate 1.21 M³ —
 Stone screening — 0.24 M³ —
 Total — /M³

5.

Work for II

100 M³ — 68.00 — 905.00 — 207.40
 Grading 2.0 M³ — 364.00 — 728.00
 Crushing 15.0 M³ — 287.00 — 4305.00
 Grader mounted Grader 14.40 M³ — 573.20 — 8254.00
 Three wheel R.H. 45.0 — 803.00 — 3619.00
 Water tank 600 — 240.00 — 184.00 — 241.00
 Material
 Grading 50 mm to 22.5 mm 10.0 M³ — 435.60 — 51244.00
 Stone screening Top 2 17.2 mm 144 kg — 86.40 — 3972.73 — 3436.00
 Water over head charge 6% — 19017.11
 Total 335969.27
 Add 0.1% C.R. — 246845.00
 Net Rate — 745.04/M³
 Rate — 2189.03240
 Add over head charge — 16.982200
 Rs 3,000.1320
 Net Rate / M³ — Rs 833.37/M³

30/1/2021
 J.E.

Carriage

Stone Aggregate — 1.21 M³ —
 Stone screening — 0.24 M³ —
 Material — 0.08 M³ —

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6. Construction of Road Embankment
 Material obtain from borrow pits.
 1.0 m — all compensation pits
 Class, 300.1, 300.2, with 1 end of B
 to 1000.0m. — Out pay — 100.00

Mate — 0.04 NO C 305=00 — R 12=20
 Unskilled — 1.0 NO C 287=00 — R 287=00

Machinery

12x drawnc excavator 0.9 m³

hourly C 60 M³/hr — 1.67 H C 1969=20 — R 3288=56

Tippers 5.5 cum with 10t

Capacity — 4.50 H C 1043=00 — R 4693=50

10x for carrying — R 469=35

Doser D-50 for spreading 100 m³/hr

0.50 C 3337=00 — R 1668=95

Trucks motor Grader — 1.0 hr C 573=00 — R 573=00

Water Tanks 6 K⁹ Capacity 2.0 M³ C 184=00 — R 368=00

Three wheel ROPS 80-100 KN

Static ROPS C 80 M³/hr — 1.25 H — 803=00 — R 1003=75

Compensation of earth — 100.0 M³ C 34=00 — R 3481=00

Water 12.0 M³ — C 40=00 — R 480=00

Add O.H.C 6K.

Total — 816325=51

R 979=53

17306=04

Manpower

Labor for cutting 62mm to 75mm

and bamboo, pits for water

and making shoes and drinking etc

all compensation.

Out pay — 30.5M

Assuming 20 m³ pile shunk 1.5 m deep

Labor

Carpenter Grade II — 0.25 NO C 345=00 — 86=75
 Unskilled Males — 2.5 NO C 287=00 — 717=50

Add Over Head 6K.

803=75

48=22

851=97

Manpower

Labor for fitting and C 28=40/meter.

62mm to 75mm and bamboo and making shoes at every vertical pile with 150mm

and 38 mm C. 9 mm — all compensation

Out pay — 30.5M

Trails 150mm by — 1.5 M³ C 55=84 — 27=92

Carpenter grade II — 0.25 NO C 345=00 — 43=13

Unskilled Males — 0.25 NO C 287=00 — 71=75

At over Head Charge 6K

C=9K / meter.

142=80

8=57

150=22

Man. base — C=9K / meter.

कार्यालय
कार्यपालक अभियंता, ग्रामीण कार्य विभाग
कार्य प्रमंडल, समस्तीपुर।

पत्रांक ०१ Dalsingh Sarai

दिनांक 25.1.21

प्रेषक, कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, समस्तीपुर।

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय।

विषय- FDR योजनान्तर्गत कराये गये कार्य का जाँच करने के संबंध में।
प्रसंग- आपका पत्रांक, Camp Dalsingh Sarai दिनांक 22.01.2021.
महाशय,

उपरोक्त विषयक प्रासंगिक पत्र के संबंध में कहना है कि एफ0डी0आर0 योजनान्तर्गत स्थल के जाँचोपरांत जाँच कर वापस की जाती है।
अनु0- यथोक्त।

विश्वासभाजन



कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, समस्तीपुर।

TO
TO

UBM
XECU
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MAS

कार्यपालक अभियंता, ग्रामीण कार्य विभाग कार्य प्रमंडल, दलसिंहसराय द्वारा कसए गये पथों की जाँच से संबंधित प्रतिवेदन

पथ का नाम	अतिप्रस्ता भाग (मी०)	कसए गये कार्य	कसए गये निर्माण कार्य की राशि (₹००)	GST @12%	L.Cess@1%	S.Fee@10%	Total	अधुना
2	3	4	5	6	7	8	9	10
Flood Damage Repair of Road L036 to Jhaura	AN=70.00m AN=110.00m	AN=AN AN=AN	5,76,219 =00	69,146=00	5762=00	—	6,51,121=00	24
Flood Damage Repair of Bridge in Bibhutipur Block Across Budhi Gandak River near Mahli	AN=488.00m AN=240.00m	AN=AN AN=AN	30,71,219 =00	3,68,546=00	30,712=00	—	34,70,500=00	24
Flood Damage Repair of Road T03 MDR to Muslim Tola	300.00m	AN=AN AN=AN	4,40,541=00	48065=00	4405=00	—	4,52,611=00	24
Flood Damage Repair of Road L036 to Tola Par	AN=527.00m AN=140.00m	AN=AN AN=AN	8,48,183=00	1,01,000=00	8580=00	—	9,59,500=00	24
Flood Damage Repair of Road L036 to Dakshin Tola	AN=450.00m AN=200.00m	AN=AN AN=AN	12,03,890=00	1,44,480=00	12,000=00	—	13,67,800=00	24
Flood Damage Repair of Road Legma to Musapur Bahadurpur Amrauli	AN=742.00m AN=150.00m	AN=AN AN=AN	19,14,910 =00	2,29,800=00	19,100=00	—	21,67,800=00	24
Flood Damage Repair of Road L036 to Sahni Tola	AN=159.00m AN=84.00m	AN=AN AN=AN	5,44,798 =00	65,400=00	5440=00	—	6,20,700=00	24
Flood Damage Repair of Road Saakh Mohan to Matlika Tola Shayam Bahta	AN=101.00m AN=190.00m	AN=AN AN=AN	5,59,777=00	67,100=00	5590=00	—	6,31,900=00	24
Flood Damage Repair of Road Raghupur to Khurda Tola	400.00m AN=AN	AN=AN AN=AN	15,68,359 =00	1,88,200=00	15,684=00	—	17,72,246=00	24
Flood Damage Repair of Bridge in Bibhutipur Block Across Karak on river Budhi Gandak	AN=152.00m AN=AN	AN=AN AN=AN	9,74,452 =00	1,16,934=00	9745=00	—	11,01,131=00	24

जोय सिद्ध, अतिप्रस्ता भाग 1

25/11
EE
EE RMD Samant Singh

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय
25/11/24

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, दलसिंहसराय, समस्तीपुर
Email ID:- rwddalsinghsarav@gmail.com

पत्रांक 319/2192

दिनांक 03/02/2021

प्रेषक, कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय

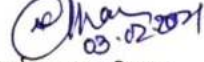
सेवा में,

अधीक्षक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल- समस्तीपुर।

विषय- एफ0डी0आर0 योजना से संबंधित डी0पी0आर0 का तकनीकी अनुमोदन के संबंध में।
महाशय,

उपरोक्त विषय के संबंध में कहना है कि इस प्रमंडल अंतर्गत एफ0डी0आर0 योजना से संबंधित कुल - 10 डी0पी0आर0 का तकनीकी अनुमोदन करने की कृपा की जाय।
अनु0- कुल 10 डी0पी0आर0 एक प्रति में।

विश्वासभाजन



कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, दलसिंहसराय

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, दलसिंहसराय, समस्तीपुर

Email ID:- rwddalsinghsaray@gmail.com

पत्रांक कम-दल दिनांक 22.01.2021

प्रेषक, कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दलसिंहसराय

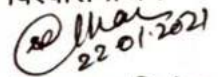
सेवा में,
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, समस्तीपुर।

विषय— **FDR** योजनान्तर्गत कराये गये कार्य का जॉच करने के संबंध में।

महाशय,

उपरोक्त विषय के संबंध में कहना है कि एफ0डी0आर0 योजनान्तर्गत इस प्रमंडल के अधीन कराये गये कार्य से संबंधित प्रतिवेदन विहित प्रपत्र में संलग्न कर भेजी जा रही है। स्थल के जॉचोपरांत संबंधित योजनाओं का प्रतिवेदन इस कार्यालय को उपलब्ध कराने का कष्ट करेंगे।
अनु0— यथोक्त।

विश्वासभाजन


22.01.2021

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमंडल, दलसिंहसराय

Latitude: 25.675377
Longitude: 85.681065
Elevation: 84.31 m
Accuracy: 1.3 m
Time: 12-10-2020 13:33



Latitude: 25.6742
Longitude: 85.68085
Elevation: 84.01 m
Accuracy: 1.0 m
Time: 12-10-2020 13:29



Powered by NoteCam

Found
30/11/21
J.E.



Latitude: 25.675342
 Longitude: 85.68106
 Elevation: 85.01 m
 Accuracy: 1.3 m
 Time: 12-10-2020 13:33



Latitude: 25.674693
 Longitude: 85.680975
 Elevation: 86.91 m
 Accuracy: 1.1 m
 Time: 12-10-2020 13:31

Powered by MoteCam

Sound
 30 | 1 | 21
 J.E.