



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 :- Sarairanjan

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

TOTAL COST OF CONSTRUCTION :- Rs. 9.595 Lacs

TOTAL COST OF PROJECT :- Rs. 9.595 Lacs

SUBMITTED BY:

EXECUTIVE ENGINEER

RWD (W) DIVISION, DALSINGHSARAI

SAMASTIPUR

FDR

YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:--Sarairanjan

District:--Samastipur

Name of Road:-- Detailed Estimate For Repair of Flood Damaged in L036 To
Tola Par

SL. No.	Item of Work	Amount
A		9.595 Lacs
	TOTAL COST OF CONSTRUCTION	
	Sub Total= (A)	9.595 Lacs
	TOTAL cost of project	9.595 Lacs

[Signature]
19/10/2020
Junior Engineer
RWD (w)Section,
Sarairanjan

[Signature]
19/11/20
Asstt. Engineer
RWD (w)Sub Division, Sarairanjan

[Signature]
04.11.2020
Executive Engineer
RWD (w) Division,
Dalsinghsarai

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detailed Estimate For Repair of Flood Damaged in L036 To Tola

DISTRICT

Par

BLOCK

Samastipur

Sarairanjan

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	EARTHWORK	0.506
2	BRICK BAT	7.976
	SUB TOTAL OF PAVEMENT COST IN LACS =	8.482
	Sub Total	8.482
	12% GST on Total Amount	1.018
	1% Lab Cess	0.085
	Seigniorage Fee @ 10%	0.010
	Total Construction Cost (including GST and Labour Cess) (A)	9.595
	TOTAL COST OF PROJECT IN LACS (including GST 12% & 1% Lab Cess) (A+B+C)	9.595

[Signature]
19/10/2020
Junior Engineer

RWD (w) Section, Sarairanjan

[Signature]
19/11/20
Assistant Engineer

RWD (w) Sub Division, Sarairanjan

[Signature]
20/11/20
Executive Engineer
Division,
Dalsinghsarai

*Technical approved Rs 9,59,500.00 say
nine lakh, fifty nine thousand five hundred
only.*

[Signature]
20/11/2021

बडीबन बसिचन
बाथीन कारी निमाक
काई बरबन, बनसोड

Cost Estimate for Road Work

Sl. No.	SDB SL. NO.	MORD Ref. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (In Rs.)
2			Brick Bats Laying Brick Bats on Prepared Soil Surface as per specifications and direction of E/L								
			40% Of the Above Calculated Quantity Damaged Strech	cum cum	2.00	700.0	1.000	0.200	194.770 280.00 474.77	1,680.02	7,97,623.10 8,48,183.44 8,48,183.44
B) SUB TOTAL OF CRUST =											
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F+G)=											

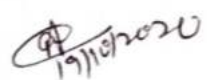

 19/10/2020
 Junior Engineer
 RWD (w) Section, Saralranjan


 19/10/2020
 Assistant Engineer
 RWD (w) Sub Division, Saralranjan


 19/10/2020
 Executive Engineer
 RWD (w) Division, Dalsinghsarai

FDR**YEAR (2020 - 2021)****Analysis for Carriage by Road & Rail****Name of Road:-****Detailed Estimate For Repair of Flood Damaged in L036 To Tola Par****Block :-****Sarairanjan****District:-****Samastipur****0.190 KM.**

Sl No	Item	Unit	Carriage Cost By Road (Per cum)	Carriage Cost By Road & Rail (Per cum)	Minimum Carriage Cost (Adopted in DPR)
1	Stone Metal Gr-I & Gr-II	Cum	2242.77	1539.23	1539.23
2	Stone Metal Gr-III / GSB	Cum	2069.69	1443.56	1443.56
3	Stone Aggregate / Chips (seikhpura)	Cum	2069.69	1443.56	1443.56
4	Stone Aggregate / Chips	Cum	2617.99	1829.29	1829.29
5	Stone Boulder	Cum	2148.31	1487.01	1487.01
6	Course Sand	Cum	1322.92	1322.92	1322.92
7	Local Sand	Cum	144.95	144.95	144.95
8	Brick	1000 Nos	663.50	663.50	663.50
9	Cement	MT	617.16	617.16	617.16
10	Steel	MT	617.16	617.16	617.16
11	Bitumen Emulsion (Ulberia)	MT	978.35	978.35	978.35
12	Bitumine (Barauri)	MT	848.58	848.58	848.58
13	Hume Pipe (1000 mm)	Pipe	353.75	353.75	353.75


Junior Engineer
RWD (w) Division, Dalsinghsarai


Asstt. Engineer
RWD (w) Division, Dalsinghsarai

Executive Engineer
RWD (w) Division, Dalsinghsa

ANALYSIS OF RATES.

BRICK BAT FILLING.

~~Concrete sub~~
 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 M³

Cost of brick bats — 2.892 M³ @ 1096 = 00 — Rs 3163 = 87
 Mazdoor unskilled Local — 0.692 M³ @ 141 = 95/M³ Rs 89 = 65

Labour (unskilled)

1. Carrying, spreading, carrying and 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
 Total — 4045 = 29
 Rate / M³ — Rs 1428 = 42 / M³

Carriage cost

Carriage for Bricks (1 M³ bat) Rs 50 NO @ 669 = 50/M³ — Rs 199 = 86
 Local sand 0.220 M³ @ 97 = 00 / M³ — Rs 21 = 34
 Cost of sand in the locality Rs 141 = 85 / M³ — Rs 1648 = 81
 Total — 31 = 21
 Rs 1680 = 00

2. Granular sub-base, with well Graded Material, Table 400.1 by Mix and Place Method for grading II Material all complete job.

Labour — Mate — 0.48 NO @ 305.00 — Rs 146 = 40
 Mazdoor unskilled — 2.0 NO @ 364.00 — Rs 728 = 00
 Mazdoor skilled — 10.0 NO @ 287 = 00 — Rs 2870 = 00

Machine

Tractor Mounted Grader 6.0 Hour @ 573 = 20 Rs 3439 = 20
 Three wheel 80-100 KN Static roller 30.0 Hour @ 809 = 00/Hr — Rs 24270 = 00
 10 M³ / Hour
 Tractor with vibrator 12.0 Hour @ 573 = 20 — Rs 6878 = 40
 25 M³ / Hour
 water Tanker 6 K³ Capacity 5.0 Hr @ 184 = 00 — Rs 920 = 00
 Total — 39072 = 00

Material

Course Graded Granular sub base 53 M³ to 9.5 M³, 9.5% — 194.40 M³ @ 604 = 91/M³ — Rs 80695 = 00
 9.5 M³ to 2.36 M³ 15% — 96.00 M³ @ 514 = 58/M³ — Rs 49420 = 00
 2.36 M³ to 0.075 M³ 15% — 153.60 M³ @ 141 = 85/M³ — Rs 21788 = 00
 water 30,000 @ 40 = 00/K³ — Rs 1200 = 00
 Total — 1,92,153 = 00
 Add over head charge 6% — 11,529 = 00
 Total — 2,04,084 = 00

of — 2,04,024 = 00
 Hence / M³ rate — Rs 680 = 28 / M³
 Carriage Cost —
 HSB material 0.768 M³ @ Rs 1221 = 82 / M³ Rs 936
 Local Sand 0.512 M³ @ Rs 97 = 00 / M³ — Rs 49 = 00
 Total — Rs 986
 Hence final Rate — Rs 1668 = 80 / M³

Item-110-3 Supply of Empty Cement Bag.
 (Synthetic should be old but in
 good condition of 1.2 cft capacity
 with Carriage, Local Sand with
 Cost and Carriage, Labor Costs
 including Cost of 20% for filling
 Empty Bag through Local Sand, Carriage,
 Stacking Properly... all complete
 sub work as per Specification and
 direction of S.D.

Qty — 100.0 NO
 old Empty Cement / EC Bag 100.0 NO @ 4 = 07 / Bag — Rs 407 = 00
 Stacking 20% Nilon 2.0 NO @ 30 = 00 / NO — Rs 60 = 00
 Unskilled Labor for Filling 1.67 NO @ 287 = 00 — Rs 479 = 29
 Stacking 3.0 NO @ 287 = 00 — Rs 861 = 00
 An Skilled Labor for Carriage 0.98 NO @ 364 = 00 — Rs 120 = 12
 Pea Chg 0.98 NO @ 364 = 00 — Rs 120 = 12
 Skilled for Stacking — 0.98 NO @ 364 = 00 — Rs 120 = 12
 Carriage for Empty Cement Bag 100.0 NO @ 113 = 23 / NO — Rs 11 = 32
 Total — 1938 = 73

Cost of Local Sand 100.0 NO @ 3.939 M³ — Rs 393.90 = 00
 35.31 @ Rs 141 = 25 / M³ — Rs 482 = 14

Hire charge of Machine — 0.332 Hour @ 50 = 00 / Hour — Rs 16 = 60
 Total — Rs 2437 = 47
 Rs 146 = 24

Add 6% O.H.C — Rs 25 = 84
 Hence Rate / Bag — Rs 25 = 84

Carriage Cost / Bag say 0.034 M³ @ Rs 97 = 00 / M³ — Rs 3 = 20
 29 = 14 / Bag

Item-4. Providing W.B.M. Grade II
 ... all complete sub through
 mechanical means.

Unit — / M³ RATE ANALYSIS
 Taking output — 360 cum.
 Labour

Mate — 0.68 NO @ 305 = 00 — Rs 207 = 40
 Skilled Mazdoor — 2.0 NO @ 364 = 00 — Rs 728 = 00
 Unskilled Mazdoor — 15.0 NO @ 287 = 00 — Rs 4305 = 00

10/11/20

Machine Bay

Tractor Mounted Grader for grading 14.40 — 573200 — 82540
 @ 100 M³ / 1 hr —————
 Three wheel R 4128 80-100 KN STONE 45.04M @ 803=0 36135
 water Tank 649 capacity ————— 240'11-C 184/30 4416
 material
 Grading 58 mm to 22.7 MM CO. 9.11-435.6M @ 511244R₂ 212271
 stone screening Twp 2 11.2MM 86.40M @ 397273R₂ 34361
 water 144 kg @ 40 ————— 57608
 over head charge 6% ————— 19017=1
 Total 335969 27
 say 93325/M

Carriage

for Aggregate 1.21 M³ C
 stone screening — 0.24 M³ C
 Total ————— / M³

5.

WBM for II

Gravel 68 NO C 305=00 — 207=40
 Spindle 2.0 NO C 364=00 — 728=00
 Crushed 15.0 NO C 287=00 — 4305=00
 Tractor mounted grader 14.40 HORE 573=20 — 8254=00
 Three wheel R 4128-45.0 C 803=00 — 36135=00
 water tank 649 ————— 24.0 C 184=00 — 4416=00
 material
 Grading II — 435.40 M³ C 427=69 — 186302=00
 63 MM to 45 MM 96.01 C 345=22 — 33145=00
 stone screening Twp 2 11.2MM 28.80 M³ C 131=28 — 3781=00
 144 kg @ 40=00 — 5760=00
 over head charge 6% ————— 259089=40
 Total 15182=00
 Add 0.11 C 6% ————— 216825=00
 Menu Rate — 745=04 / M³
 Rate — 2183,033=40
 Add over head 6% — 16,982=00
 Rs 3,00015=00
 Menu Rate / M³ — Rs 833=37 / M³

Carriage

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

19/10/2020

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

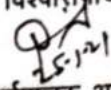
पत्रांक 01 Dalsingh Sarai दिनांक 25.1.21

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.

महाराज,
उपरोक्त विषयक प्रासंगिक पत्र के संबंध में कहना है कि एफ0डी0आर0 योजनान्तर्गत स्थल के जौंचोपरांत जाँच कर वापस की जाती है।
अनु0— यथोक्त।

विश्वासभाजन

25.1.21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, समस्तीपुर।

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

क्रमांक	पथ का नाम	क्षतिग्रस्त भाग (मी० में)	कराए गये कार्य	कराए गये निर्माण कार्य की राशि (रु० में)	GST @12%	L.Cess@1%	S.Fee@10%	Total	अभियुक्ति
1	2	3	4	5	6	7	8	9	10
1	Flood Damage Repair of Road L036 to Jhaura	E/W - 70.0m A/C - 110.0m	E/W, A/C Gravel, 6.5.12	5,76,219 = 00	69,146 = 00	5762 = 00	—	6,51,121 = 00	24
2	Flood Damage Repair of Bridge in Bibhutipur Block Across Budhi Gandak River near Mahti	E/W - 408.0m A/C - 240.0m	E/W, A/C Gravel, 6.5.12	30,71,219 = 00	3,68,546 = 00	30,712 = 00	—	34,70,500 = 00	24
3	Flood Damage Repair of Road T03 MDR to Muslim Tola	300.0m	E/W, A/C Gravel, 6.5.12	4,40,541 = 00	48065 = 00	4405 = 00	—	4,52,611 = 00	24
4	Flood Damage Repair of Road L036 to Tola Par	E/W - 527.0m A/C - 140.0m	E/W, A/C Gravel, 6.5.12	8,48,189 = 00	1,01,620 = 00	8580 = 00	—	9,59,500 = 00	24
5	Flood Damage Repair of Road L038 to Dakshin Tola	E/W - 450.0m A/C - 200.0m	E/W, A/C Gravel, 6.5.12	12,40,390 = 00	1,44,480 = 00	12,400 = 00	—	13,67,800 = 00	24
6	Flood Damage Repair of Road Lagma to Musapur Bahadurpur Amrauli	E/W - 742.0m A/C - 150.0m	E/W, A/C Gravel, 6.5.12	19,14,910 = 00	2,29,880 = 00	19,100 = 00	—	21,67,800 = 00	24
7	Flood Damage Repair of Road L036 to Sahni Tola	E/W - 159.0m A/C - 87.0m	E/W, A/C Gravel, 6.5.12	5,44,798 = 00	65,400 = 00	5400 = 00	—	6,20,700 = 00	24
8	Flood Damage Repair of Road Saakh Mohan to Mailika Tola Shyam Batta	E/W - 190.0m A/C - 2.0m	E/W, A/C Gravel, 6.5.12	5,59,177 = 00	67,100 = 00	5600 = 00	—	6,31,900 = 00	24
9	Flood Damage Repair of Road Raghupur to Khuria Tola	400.0m	E/W, A/C Gravel, 6.5.12	15,68,359 = 00	1,88,200 = 00	15,684 = 00	—	17,72,241 = 00	24
10	Flood Damage Repair of Bridge in Bibhutipur Block Across Karak on river Budhi Gandak	E/W - 152.0m A/C - 15.0m	E/W, A/C Gravel, 6.5.12	9,74,452 = 00	1,16,934 = 00	9745 = 00	—	11,01,131 = 00	24

जॉन सिंह, स्वीकृत 11/11/21

24/11/21

24/11/21

24/11/21

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 319/219

दिनांक 03/12/2021

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

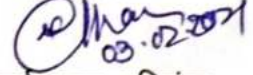
सेवा में,

अधीक्षण 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 474-68 दिनांक 22.01.2021

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

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

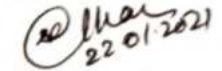
विषय— **FDR** योजनान्तर्गत कराये गये कार्य का जॉच करने के संबंध में।

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

2036 & 210142



19/10/2020
or



19/10/2020
G



Latitude: 25.671903
Longitude: 85.72312
Elevation: 85.74 m
Accuracy: 1.0 m
Time: 12-10-2020 13:51

19/10/2020