



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 L038 To Dakshin Tola

TOTAL COST OF CONSTRUCTION :- Rs. 13.626 Lacs
TOTAL COST OF PROJECT :- Rs. 13.626 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 L038 To
Dakshin Tola

SL. No.	Item of Work	Amount
A		13.626 Lacs
	TOTAL COST OF CONSTRUCTION	
	Sub Total= (A)	13.626 Lacs
	TOTAL cost of project	13.626 Lacs

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

[Signature]
19/10/2020
Asstt. Engineer
RWD (w)Sub Division , Sarairanjan

[Signature]
04.11.2020
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 LG38 To Dakshin Tois

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	1552.47	1552.47
2	Stone Metal Gr-III / GSB	Cum	2069.69	1455.74	1455.74
3	Stone Aggregate / Chips (seikhpura)	Cum	2069.69	1455.74	1455.74
4	Stone Aggregate / Chips	Cum	2617.99	1841.47	1841.47
5	Stone Boulder	Cum	2148.31	1499.68	1499.68
6	Course Sand	Cum	1333.87	1333.87	1333.87
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 (Barauni)	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.

1. ~~Granular sub~~
providing brick bats including spreading
laying stand packing with C.I. Hammers
in layers not exceeding 75MM thick
including cost of eight burners, dangle
signal, chowkidar, taxes, Royalty, etc,
an complete job, as per specifications
and directions of S/G including cost of
briars. --- all complete job.

Unit — cum.

Assuming — 2.892 M³

Cost of Brick bats — 2.892 M³ @ 109 6 = 00 — Rs 3163 = 84
Maxdard unskilled Lab 0.692 M³ @ 141 = 95 / M³ Rs 89 = 65

Labour (unskilled)

1. Carrying, spreading, laying and
packing unskilled labour 1.5 NO @ 287 = 00 — Rs 430 = 50
Compaction of brick bats, with
C.I. Hammers 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 @ 663 = 50 / M³ — Rs 199 = 06
Local sand 0.220 M³ @ 97 = 20 / M³ — Rs 21 = 94.
Cost of sand with Royalty
Rs 141 = 95 / M³ — Rs 1648 = 81.
31 = 21
Rs 1680 = 0.

2. Granular sub. base, with well
Graded material, Take 400.1 by
mix and place method for bracing
If material an complete job.
Labors — Mate — 300.0 M³

Maxdard unskilled — 2.0 NO @ 287 = 00 — Rs 146 = 40
Maxdard unskilled — 10.0 NO @ 287 = 00 — Rs 728 = 00
Machine 0.48 NO @ 305.00 — Rs 2870 = 00

Tractor Marked Grader 6.0 Hour @ 573 = 20 Rs 3439 = 20
Three wheel 80-100 KM Stat. 30.0 Hour — Rs 24090 = 00
10 M³ / Hour

Tractor with rotator 12.0 Hour @ 573 = 20 — Rs 6878 = 40
25 M³ / Hour

Water Tanker 6 K³ Capacity 5.0 H³ @ 184 = 00 — Rs 920 = 00
material

Course Graded Granular sub base
53 MM to 9.5 MM, 9.5% — 134.40 M³ @ 604 = 91 / M³ — Rs 80695 = 00
9.5 MM to 2.36 MM 15% — 96.00 M³ @ 514 = 58 / M³ — Rs 49440 = 00
2.36 MM below local sand 153.60 M³ @ 141 = 95 / M³ — Rs 21788 = 00
Total — 1,92,155 = 00
Add over head charge 6% — 11,529 = 00
Total — 2,04,084 = 00

19/11/20

af - 2,04,084 = 00

New / MB Rate - Rs 680 = 28 / MB

Carriage Cost -

Basic Material 0.768 MB @ Rs 1221 = 82 / MB Rs 938 = 35 / MB

Local Sand 0.512 MB @ Rs 97 = 00 / MB - Rs 49 = 66 / MB

Total - Rs 988 = 01 / MB

New fixed Rate - Rs 1668 = 20 / MB

Item No-3. Supply of Empty Cement Bag.
(Synthetic should be old but in good condition of 1.2 cat capacity with Carriage. Local Sand with Cost and Carriage, Labor Cost including Cost of Nylon for filling Empty Bag through Local Sand, Carriage, Stacking Properly... all complete sub work as per specific contract and direction of E.I.S.

Qty - 100.0 x 10

Old Empty Cement / EC Bag 100.0 MB @ 4 = 07 / Bag - Rs 407 = 00

Stacking with Nylon 2 MB @ 30 = 00 / MB Rs 60 = 00

Unskilled Labor for Filling

Stacking

1.67 MB @ 287 = 00

Rs 479 = 29

Unskilled Labor for Carriage and

Pecking

3.0 MB @ 287 = 00

Rs 861 = 00

Skilled for Stacking

0.98 MB @ 364 = 00

Rs 120 = 12

Carriage for Empty Cement Bag

100 MB

~~100 MB~~ @ 113 = 231 / MB

Rs 11 = 32

Cost of Local Sand

100 x 1.2 = 3.339 MB

35.31

@ Rs 141 = 05 / MB

Rs 482 = 14

Wire charge of machine

0.392 Hrs

@ 50 = 00 / Hrs

Rs 16 = 60

Add 6% O.H.C

Total - Rs 2437 = 47

Rs 146 = 24

Hence Rate / Bag

Rs 25 = 84

Carriage for / Bag say 0.034 MB

97 = 0 / MB

Rs 3 = 20

Item No-4.

Providing W.B.M. Grade 11

... 94 complete sub through mechanical means.

Unit - / MB

RATE ANALYSIS

Putting out put - 360 MB

LABOUR

Male -

0.68 MB

@ 305 = 00

- Rs 207 = 40

Skilled Mazdars -

2.0 MB

@ 364 = 00

Rs 728 = 00

Unskilled Mazdars -

15.0 MB

@ 287 = 00

Rs 4305 = 00

19/10/20

Machine 144

Tractor Mated Grader Grading 14.40 — 57920 — 825
 100 M³ / hour

Three wheel Roller 80-100 KN static 45.00 M³ 803=0 36"
 water Tank 649 capacity — 2400 M³ 18420 24

Material
 Grading 50 mm to 22.4 MM C.O.M³ — 435.6 M³ 51124 R² 2122
 stone screening Top 11.2 MM — 86.40 M³ 397273 R² 3436
 water 144 kg C 40 — 19017=1
 over head charge 6%

Total 335969 =
 say 933 = 25/M³

Carriage

Star Aggregate 1.21 M³ C
 stone screening — 0.24 M³ C

Total

5.

WBM Gr II

Truck 68 M³ C 305 = 00 — 207 = 40

Standard 2.0 M³ C 364 = 00 — 728 = 00

Consolidated 15.0 M³ C 287 = 00 — 4305 = 00

Tractor mated grader 14.40 M³ C 573 = 20 — 8254 = 00

Three wheel Roller 45.0 C 803 = 00 — 36135 = 00

water tank 649 — 24.0 C 184 = 00 — 4416 = 00

Material

Grading 50 mm to 45 MM — 435.40 M³ C 427 = 69 — 186302 = 00

stone screening Top 11.2 MM — 86.40 M³ C 345 = 22 — 33145 = 00

water 144 kg C 40 = 00 — 5760 = 00

over head charge 6% — 259600 = 40
 Total 15182 = 00

Add 0.11 C 6% — 216845 = 00

Stone Rate — 745 = 04/M³

Rate — 2183,033 = 40

Add over head charge — 16,982 = 00

Rs 3,00013 = 00

Stone Rate / M³ — Rs 833 = 37/M³

Carriage

Star Aggregate — 1.21 M³ C
 screening material — 0.24 M³ C

Material — 0.08 M³ C

19/10/20

6. Construction of Road Embankment
 Material obtain from borrow pits.
 1.00 — all comp. 1.00 on P.S.
 Clause, 300.1, 300.2, with lead of 3
 15 1000.00. — Out Pay — 100.00

Rate — 0.04 NO C 305 = 00 — R 12 = 20
 Unsuitable — 1.0 NO C 287 = 00 — R 287 = 00

Machinery

118 draught excavator 0.9 m³

2.00 H C 60 M³/Hr — 1.67 H C 1969 = 20 — R 3288 = 56

Tippers 5.5 cum with 10t capacity — 4.50 H C 1048 = 00 — R 4693 = 50

10x for carrying Tippers — R 469 = 95

Doser D-50 for spreading 100 M³/Hr — 0.50 C 3337 = 90 — R 1668 = 95

Trucks Motor Grader — 1.00 H C 573 = 00 — R 573 = 20

Water Tanker 6000 capacity 2.0 H C 184 = 00 — R 368 = 00

Three wheel Roller 80-100 KN

Static Roller 80 M³/Hr — 1.25 H C 803 = 00 — R 1003 = 75

Compaction Rammer 100.0 M³ C 34 = 00 — R 348 = 00

Water 12.0 M³ — C 40 = 00 — R 480 = 00

Add O.H.C. 6%

Total — 816325 = 51

R 979 = 5

17306 = 0

Item 7: Labor for cutting 62mm to 75mm

and 20mm to 25mm

and making shoes and driving etc.

all comp. 1.00.

out pay — 30.5M

Assuming 20mm pile shank 1.525 M deep

Labor.

Carpenter Crane 12 — 0.25 NO C 345 = 00 — 86 = 25

Unskilled Maxdbs — 2.5 NO C 287 = 00 — 717 = 50

Add O.H.C. 6%

R 803 = 75

48 = 22

851 = 97

Item 8: Labor for fitting and C 28 = 40/meter.

62mm to 75mm and 20mm to 25mm

composition at every vertical pile with 150mm

comp. 1.00 & 38 SWH 0.9 m³ — all comp. 1.00

out pay — 30.5M

Nails 150MM lbf — 1.5 M³ C 55 = 84 — 27 = 92

Carpenter 12 — 0.25 NO C 345 = 00 — 43 = 13

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

At over Head Chaps 6%

Material — 4 = 96 / m³ — 142 = 80

8 = 57

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

पत्रांक ०१ Dalsingh Barua

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 जॉच करने के संबंध में।

प्रसंग— आपका पत्रांक ०१, Camp Day Barua, दिनांक 22.01.2021.

महाशय,

उपरोक्त विषयक प्रासंगिक पत्र के संबंध में कहना है कि एफ0डी0आर0 योजनान्तर्गत स्थल के जॉचोपरांत जॉच कर वापस की जाती है।
अनु0— यथोक्त।

विश्वासभाजन
25.1.21
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, समस्तीपुर।

1 JAN 14 1970

कार्य प्रमंडल, दलसिंहसराय

कार्य प्रमंडल, दलसिंहसराय

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

Email ID:- rwdalsinghsaray@gmail.com

पत्रांक 319/215

दिनांक 03/02/2021

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

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 जॉच 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 जॉचोपरांत जॉच कर वापस की जाती है।

अनु0— यथोक्त।

विश्वासभाजन



कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, समस्तीपुर।

ग्रामीण कार्य विभाग,

कार्यपालक अभियंता, ग्रामीण कार्य विभाग कार्य प्रमंडल, दलसिंहसराय ग्रामीण कार्य विभाग, कार्य प्रमंडल, दलसिंहसराय द्वारा कराए गये पथों की जाँच से संबंधित प्रतिवेदन									
क्र.सं.	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	Flood Damage Repair of Road LO36 to Jhaura	3	4	5	6	7	8	9	10
1	Flood Damage Repair of Bridge in Bibhutpur Block Across Budhi Gandak River near Mahli	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
2	Flood Damage Repair of Road T03 MDR to Muslim Tola	300.00	300.00	300.00	36.00	3.00	30.00	369.00	200
3	Flood Damage Repair of Road LO36 to Tola Par	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
4	Flood Damage Repair of Road LO38 to Dakshin Tola	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
5	Flood Damage Repair of Road Lagma to Musapur	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
6	Flood Damage Repair of Road Bahadurpur Amrauli	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
7	Flood Damage Repair of Road LO36 to Sahni Tola	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
8	Flood Damage Repair of Road Saakh Mohan to Mailika Tola Shayam Batia	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
9	Flood Damage Repair of Road Raghopur to Khuria Tola	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200
10	Flood Damage Repair of Bridge in Bibhutpur Block Across Karak on river Budhi Gandak	100.00	100.00	100.00	12.00	1.00	10.00	123.00	200

[illegible]

Dr
25/12
EE RMD Samanthi
EE

कार्य प्रमंडल, दलसिंहसराय

2038 to 4th Division



2038 to 4th Division

Latitude: 25.675293
Longitude: 85.681705
Elevation: 84.21 m
Accuracy: 1.3 m
Time: 12-10-2020 13:33



Latitude: 25.697458
Longitude: 85.703065
Elevation: 91.07 m
Accuracy: 1.3 m
Time: 12-10-2020 14:27

CP
Allotson
62