



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

GOVT. OF BIHAR
FDR
YEAR 2020-21

Detailed Project Report

Division : Rosera

District :	Samastipur	Block :	Shivajinagar
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Name of
Road :

L041 - T01 to Situahi (VR25)

SUBMITTED BY
THE EXECUTIVE ENGINEER
WORKS DIVISION, ROSERA

FDR

Detailed Estimate for

L041 - T01 to Situahi (VR25)

Block : Shivajinagar
District : Samastipur

ABSTRACT OF COST FOR ROAD

Sl No	Item of Work	Amount (In Rs)	
		As per Estimate	
1	Total Cost for Pavement Works		791810.23
	Total Cost of Project :	Rs -	791810.23
	Total Cost Including (GST + L.Cess) 13% :	Rs -	102935.33
	Total :	Rs -	894745.56
	Say (Lakh) :	Rs -	8.95

Junior Engineer

RWD (W) Section, Shivajinagar

Asstt. Engineer

RWD (W) S. Div. Shivajinagar

Executive Engineer

RWD (W) Div, Rosera

Technically approved for 8.95 Lakh say Eight
Lakhs ninety five thousand only.

19-1-21
प्रमुख कार्यपालक
आजीव कार्य विभाग
आई डंडर, समस्तीपुर

19.1.21

FDR

L041 - T01 to Sitahi (VR25)

District : Samastipur
Block : Shivajinagar

Total Length (Km): 5.60

Sl No	Reference To Mord Spec.	Brief Description of Item	No	Measurements			Unit	Quantity	Rate (Rs)	Amount (Rs)
				L (m)	B (m)	D (m)				
1	401	Supply filling brick bat compacted manually								
			12	20.00	2.50	0.35	cum	210.00		
			10	16.00	2.25	0.30	cum	108.00		
			8	19.00	1.25	0.25	cum	47.50		
			6	14.00	1.15	0.35	cum	33.81		
			9	20.00	1.25	0.32	cum	72.00		
		Total Quantity :					cum	471.31	1680.02	791810.23
		Total Cost of Pavement in Rs :								7.92

[Signature]
24/12/20
Junior Engineer
RWD (W) Section, Shivajinagar

[Signature]
24/12/20
Asst. Engineer
RWD (W) S. Div. Shivajinagar

[Signature]
24/12/20
Executive Engineer
RWD (W) Div, Rosera

प्रतिवेदन

योजना का नाम :

L041 - T01 to Situahi (VR25)

प्रस्तावित प्राक्कलन ग्रामीण कार्य विभाग, बिहार सरकार के पत्रांक-2789 दिनांक-21/08/2020 एवं समस्तीपुर जिलाधिकारी, समस्तीपुर के आदेश के अनुपालन के अलोक में मैं कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल-रोसड़ा के निदेशन में तैयार किया गया है। यह पथ विगत बाढ़ में डूबने एवं पानी के Over Lapping होने के कारण काफी क्षतिग्रस्त हो चुका है। इस पथ में क्षतिग्रस्त मर्दों का आवश्यकतानुसार दिनांक-1/9/20 से प्रभावी वर्तमान अनुसूचित दर पर प्रावधान किया गया है, जो जनहित में आवश्यक है। प्राक्कलन आवश्यक कर्वाई हेतु समर्पित।


24/12/20

कनीय अभियंता

ग्रामीण कार्य विभाग

नर्य प्रशाखा, Shivajinagar


24/12/20

सहायक अभियंता

ग्रामीण कार्य विभाग

कार्य अवर प्रमंडल- Shivajinagar


24/12/20

कार्यपालक अभियंता

ग्रामीण कार्य विभाग,

कार्य प्रमंडल-रोसड़ा

ANALYSIS OF RATES.

BRICK BAT FILLING.

1. General sub &

providing brick bats including spreading, laying stand picking with C.I. Hammers in layers not exceeding 75MM thick including cost of eight barriers, dangles, equal chokidar, taxes, Royalty, etc, as complete sub, as per specifications and directions of S/O including cost of bricks. - - - all complete sub.

Unit — cum.

Assuming — 2.832 M³

Cost of brick bats — 2.832 M³ @ 1096 = 00 — Rs 3103 = 87
 mazdoor unskilled Local — 0.632 M³ @ 141 = 95/M³ Rs 89 = 65

Labor (unskilled)

1. Carrying, spreading, laying and picking unskilled labor 1.5 NO @ 297 = 00 — Rs 490 = 50
 Compaction of brick bats 15mm C.I. Hammers, 0.670 NO @ 287 = 00 — Rs 192 = 29.
 Over head charge @ 6% on (a+b) — Rs 228 = 99.
 Total — 4045 = 29

Rate/M³ — Rs 1428 = 42/M³.

Carriage cost

Carriage for bricks (1 M³ bat) Rs 300 NO @ 669 = 50/M³ — Rs 199 = 06
 Local sand 0.320 M³ @ 97 = 00/M³ — Rs 21 = 34.
 Total Rs 1648 = 81.
 31 = 24
 Total 1680 = 02

2. Gravel sub base, with well graded material, Table 400.1 Bq Mix and Place method, for grading II material as complete sub.

Sub — 300.0 M³

Labor — Motor — 0.48 NO @ 305.00 — Rs 146 = 40
 mazdoor skilled — 2.0 NO @ 364.00 — Rs 728 = 00
 mazdoor unskilled — 10.0 NO @ 287 = 00 — Rs 2870 = 00

Machinery

Tractor Motor Grader 6.0 HP @ 573 = 20 Rs 3439 = 20
 Three wheel 80-100 KM static roller 30.0 HP @ 803 = 00/HP — Rs 24090 = 00
 10 M³/HR
 Tractor with water tank 12.0 HP @ 573 = 20 — Rs 6878 = 40
 25 M³/HR
 Water Tanker 6 M³ Capacity 5.0 HP @ 184 = 00 — Rs 920 = 00
 Total 39072 = 00

Material

Curve Graded Gravel sub base
 53MM to 9.5MM, 35% — 134.40 M³ @ 604 = 91/M³ — Rs 80695 = 00
 9.5MM to 2.36MM 25% 96.00 M³ @ 514 = 58/M³ — Rs 49410 = 00
 2.36MM 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

Comm
 24/11/20
 J.C

Buy HPDs / 04/05/07 AS114 LG115 for complete Buy Road and Rail for 2009/10/04

A - Shareholder Gains II - $\frac{\text{LCCO savings}}{4.99} \times 6.83\% \times \text{Last Firm Share}$

$\frac{\text{RNDLO}}{\text{M41}} - \frac{\text{Long 9}}{\text{Cum 1000}} = \frac{\text{Long 9}}{\text{Cum 1000}} - \frac{\text{Long 9}}{\text{Cum 1000}}$

$\frac{859}{859} = 0.5$

B. Cross III + bcd

Pureo Strain

Results

Landing/Lowland

70% -

200 ± 20

$\frac{8700}{499} = 17.4$

$\frac{\text{Pulse quad}}{\text{MAGLE}}$

$\frac{\text{Landy/Bullseye}}{\text{MAGLE}}$

C. LeCol Sand 247:110 - $\frac{85.00}{6.00}$ X 7.60 X 2.0/cm = 20.37 + $\frac{0.00}{6.00}$ 110

12-11 906:10 - R 669.250

$$\frac{800}{200} \times 6.83 \times 7.0411 = 191.24 + \frac{800}{200} \times 16.57 \times 1.618 = 60.00$$

$\frac{8.00}{87.60 \times 1000 \text{ km}^2}$
 $\frac{\text{Kilode}}{0}$
 $\frac{\text{Railway Hrs}}{\text{Total}}$

$$\frac{\text{Long/bulky}}{\text{Rainoufengly}}$$

$$\text{for } S_{\text{max}} \text{ (air resistance)} = \frac{8.10}{4.99} \times (6.83 \pi \text{ cm}) + 0 \quad 83 = 64$$

for 541.8571 P_2 Dist (Korbmgram)
infraktion
 14.00
 13.86.62
 13.86.62

$$\begin{array}{r} 8.00 \\ \times 7.60 \times 4.0 = 52.98 + \frac{8.00}{4.59} \times 18.50 \times 0 + 8.00 \times 9.00 \times 1.0 = 16.00 \\ \hline 178.29 \end{array}$$

457
 $455.96 - 390.96 = 65.99$
 $65.99 + 65.99 = 131.98$
 $131.98 + 131.98 = 263.96$
 $263.96 + 263.96 = 527.92$
 $527.92 + 527.92 = 1055.84$
 $1055.84 + 1055.84 = 2111.68$
 $2111.68 + 2111.68 = 4223.36$
 $4223.36 + 4223.36 = 8446.72$
 $8446.72 + 8446.72 = 16893.44$
 $16893.44 + 16893.44 = 33786.88$
 $33786.88 + 33786.88 = 67573.76$
 $67573.76 + 67573.76 = 135147.52$
 $135147.52 + 135147.52 = 270295.04$
 $270295.04 + 270295.04 = 540590.08$
 $540590.08 + 540590.08 = 1081180.16$
 $1081180.16 + 1081180.16 = 2162360.32$
 $2162360.32 + 2162360.32 = 4324720.64$
 $4324720.64 + 4324720.64 = 8649441.28$
 $8649441.28 + 8649441.28 = 17298882.56$
 $17298882.56 + 17298882.56 = 34597765.12$
 $34597765.12 + 34597765.12 = 69195530.24$
 $69195530.24 + 69195530.24 = 138391060.48$
 $138391060.48 + 138391060.48 = 276782120.96$
 $276782120.96 + 276782120.96 = 553564241.92$
 $553564241.92 + 553564241.92 = 1107128483.84$
 $1107128483.84 + 1107128483.84 = 2214256967.68$
 $2214256967.68 + 2214256967.68 = 4428513935.36$
 $4428513935.36 + 4428513935.36 = 8857027870.72$
 $8857027870.72 + 8857027870.72 = 17714055741.44$
 $17714055741.44 + 17714055741.44 = 35428111482.88$
 $35428111482.88 + 35428111482.88 = 70856222965.76$
 $70856222965.76 + 70856222965.76 = 141712445931.52$
 $141712445931.52 + 141712445931.52 = 283424891863.04$
 $283424891863.04 + 283424891863.04 = 566849783726.08$
 $566849783726.08 + 566849783726.08 = 1133699567452.16$
 $1133699567452.16 + 1133699567452.16 = 2267399134904.32$
 $2267399134904.32 + 2267399134904.32 = 4534798269808.64$
 $4534798269808.64 + 4534798269808.64 = 9069596539617.28$
 $9069596539617.28 + 9069596539617.28 = 18139193079234.56$
 $18139193079234.56 + 18139193079234.56 = 36278386158469.12$
 $36278386158469.12 + 36278386158469.12 = 72556772316938.24$
 $72556772316938.24 + 72556772316938.24 = 145113544633876.48$
 $145113544633876.48 + 145113544633876.48 = 290227089267752.96$
 $290227089267752.96 + 290227089267752.96 = 580454178535505.92$
 $580454178535505.92 + 580454178535505.92 = 1160908357071011.84$
 $1160908357071011.84 + 1160908357071011.84 = 2321816714142023.68$
 $2321816714142023.68 + 2321816714142023.68 = 4643633428284047.36$
 $4643633428284047.36 + 4643633428284047.36 = 9287266856568094.72$
 $9287266856568094.72 + 9287266856568094.72 = 18574533713136189.44$
 $18574533713136189.44 + 18574533713136189.44 = 37149067426272378.88$
 $37149067426272378.88 + 37149067426272378.88 = 74298134852544757.76$
 $74298134852544757.76 + 74298134852544757.76 = 148596269705089515.52$
 $148596269705089515.52 + 148596269705089515.52 = 297192539410179031.04$
 $297192539410179031.04 + 297192539410179031.04 = 594385078820358062.08$
 $594385078820358062.08 + 594385078820358062.08 = 1188770157640716124.16$
 $1188770157640716124.16 + 1188770157640716124.16 = 2377540315281432248.32$
 $2377540315281432248.32 + 2377540315281432248.32 = 4755080630562864496.64$
 $4755080630562864496.64 + 4755080630562864496.64 = 9510161261125728993.28$
 $9510161261125728993.28 + 9510161261125728993.28 = 19020322522251457986.56$
 $19020322522251457986.56 + 19020322522251457986.56 = 38040645044502915973.12$
 $38040645044502915973.12 + 38040645044502915973.12 = 76081290089005831946.24$
 $76081290089005831946.24 + 76081290089005831946.24 = 152162580178011663892.48$
 $152162580178011663892.48 + 152162580178011663892.48 = 304325160356023327784.96$
 $304325160356023327784.96 + 304325160356023327784.96 = 608650320712046655569.92$
 $608650320712046655569.92 + 608650320712046655569.92 = 1217300641424093311139.84$
 $1217300641424093311139.84 + 1217300641424093311139.84 = 2434601282848186622279.68$
 $2434601282848186622279.68 + 2434601282848186622279.68 = 4869202565696373244559.36$
 $4869202565696373244559.36 + 4869202565696373244559.36 = 9738405131392746489118.72$
 $9738405131392746489118.72 + 9738405131392746489118.72 = 19476810262785492978237.44$
 19

$$\frac{1.166}{0.11000} \times 7.60490 = 79.57$$

$\frac{8.10}{1.09} \approx 9.20 \times 1.09$
 Same as

American class —————
 Rs 2490 = 80 = 80
 7444

$$\frac{\text{Time}}{71166} = \frac{1.743 \times 10^4}{1000000}$$

Add 62044 —
 4+10
 112222
 800 87.6440 + 8.0 872041
 7.0

Time	Land - Cultures - 5 to 60
10:00	1000
11:00	1000
12:00	1000
13:00	1000
14:00	1000
15:00	1000
16:00	1000
17:00	1000
18:00	1000
19:00	1000
20:00	1000
21:00	1000
22:00	1000
23:00	1000
24:00	1000

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कार्यपालक अभियंता का कार्यालय

ग्रामीण कार्य विभाग, कार्य प्रमण्डल, समस्तीपुर।

पत्रांक.....३५०१ २०२१

दिनांक 24.12.20

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, समस्तीपुर।

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, रोसड़ा।

विषय—

FDR अन्तर्गत पथों को जाँच करने के संबंध में।

प्रसंग—

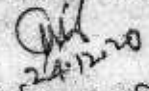
आपका पत्रांक ...23.12... दिनांक ...22.12... 20

महाशय,

उपर्युक्त प्रासंगिक विषयक के संबंध में कहना है कि आपके द्वारा निम्न पथों की सूची जाँच करने हेतु समर्पित किया गया था। पथों की जाँच की गई एवं जाँचोपरान्त सभी पथ पूर्ण पाया गया। प्रतिवेदन के साथ आवश्यक कार्रवाई हेतु समर्पित।

अनु०—: यथोक्त।

विश्वासभाजन



कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, समस्तीपुर।

क्रम	प्रखंड	पथ का नाम	कराए गए कार्य	मरम्मत कराए गए पथ की लंबाई	प्राक्कलित राशि	अभ्युक्ति
1	Shivajinagar	Construction of Road From The house of Haruni Mallik to the House of Mahakant Jha	Brick Bat Filling	2.35	7.37	पूर्ण
2	Shivajinagar	Dassut- Kakar Ghat	Brick Bat Filling	2.00	8.30	पूर्ण
3	Shivajinagar	Dhanka Chowk -Balipur Khander Chowk	Brick Bat Filling	4.30	8.90	पूर्ण
4	Shivajinagar	T01-Shankarpur	Brick Bat Filling	4.10	6.75	पूर्ण
5	Shivajinagar	X-Road To L027-Akhatwara	Brick Bat Filling	3.20	6.91	पूर्ण
6	Shivajinagar	Kariyan to Raniparti	Brick Bat Filling	1.20	5.76	पूर्ण
7	Sivajinagar	Rosera shivajinagar seJakhar	Brick Bat Filling	9.40	15.69	पूर्ण
8	sivaji Nagar	PWD Bahaurpur se thanka gram tak	Brick Bat Filling	0.95	5.47	पूर्ण
9	Shivajinagar	REO Road - Kokan	Brick Bat Filling	0.97	3.65	पूर्ण
10	Shivajinagar	L041 - T01 to Situahi (VR25)	Brick Bat Filling	5.60	8.95	पूर्ण
11	Shivajinagar	Shanti chowk to Katghara hote huye Srirampur Tak	Brick Bat Filling	0.90	8.97	पूर्ण
12	Shivajinagar	Maghrahia to Kharshan	Brick Bat Filling	0.30	5.96	पूर्ण
13	Shivajinagar	X-Road To L034 - Kolhatta	Brick Bat Filling	0.60	7.95	पूर्ण

Qm
24/2/20

कार्यपालक अभियंता

ग्रामीण कार्य विभाग, कार्य प्रमंडल-समस्तीपुर