

GOVT. OF BIHAR



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

Year 2021-22

ESTIMATED COST Rs 691763.00

NAME OF ROAD :-

ROAD FROM SH 91 BIRPUR TO AIRPORT VIA
BASANTPUR BLOCK MUKHYALAYA PATH

Road Length :- 1.875 KM

DIVISION :- RWD ,WORKS DIVISION , BIRPUR

CIRCLE :- RWD , WORKS CIRCLE MADHEPURA

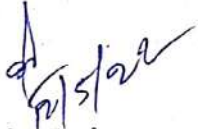
Block :- BASANTPUR SUPAUL

REPORT

An estimate amounting to ₹. 691763.00 has been framed to meet the actual cost of expenditure towards flood damage repair work of ROAD FROM SH 91 BIRPUR TO AIRPORT VIA BASANTPUR BLOCK MUKHYALAYA PATH at Damage Lenth 500 M near village 0 KM To 1.500 KM of Basantpur Block to resume normal traffic facilities for the year 2021-22.

This year's unpredictable rain fall in the Kosi basin broke the rural roads, which increased the problems of the villagers. In this rain, the life of people who were in trouble, were surrounded by water from all sides, it was necessary to resume normal traffic facilities. In the view of above facts breach portion had been restored as soon as possible departmentally with help of local registered agency as directed by department and pressurized by local M.L.A which resumed the normal life of villagers. Measurement of the work had been recorded duly and attached along with the estimate. brick bats, Granular Sub-base G-II (Stone, 4/5) attached along with the estimate., brick bats, Granular Sub-base G-II (Stone & 4/5 sand) has been used to restore the traffic and accordingly estimate has been framed on basis of up-to-date SOR.

Hence requested for technical Sanction of the estimate under the head of FDR.


Junior Engineer,
R.W.D., Basantpur


Assistant Engineer,
R.W.D., Basantpur


Executive Engineer,
R.W.D., Works Division, Virpur

DETAILS OF ESTIMATE FOR RESTORATION OF

Abstract of Cost

Division:- R.W.D., Works Division., BIRPUR

BLOCK :- BASANTPUR

Sub division:- BASANTPUR

PANCHAYAT :-

Length of Breach- 0.5 KM, Road Length- 1.875 KM

Year-2021-22

Sl. No./ Item no.	Item of works	Quantity	Unit	Rate	Amount
	Supply and carriage of brick bats up to 8 km from breach and placing in breach and laying of bats all complete job. as per specification and direction of E/I	314.0 m	cum	1922.87	603723.49
	Granular Sub-base with Well Granular Material (Table 400.1)				
	Construction of Granular Sub-base by providing well graded material (Crushed Stone Aggregates and Local Sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401	1.821	cum	3010.64	5482.38
	For Grading II Material				

Add 12% GST

609205.87

Add 1% Labour cess

73104.70

Total

6092.06

Add 10% S. Fee

688402.63

3361.00

Total Rs

691763.00

[Signature]
Junior Engineer,
R.W.D., Basantpur

[Signature]
12/5/22
Assistant Engineer,
R.W.D., Basantpur

[Signature]
Executive Engineer,
R.W.D., Works Division, Virpur

*Departt. letter no. 4049 date - 7/12/21
In reference to E/S/C letter no. 1890 dt 22.04.2021*

*T/s for Rs 691763 (Six lac. Ninety one thousand
seven hundred sixty three only)*

[Signature]
17/05/22
Superintending Engineer
Rural Works Department
Works Circle Madhepura

**DETAILS OF ESTIMATE FOR RESTORATION OF
ROAD FROM SH 91 BIRPUR TO AIRPORT VIA BASANTPUR BLOCK MUKHYALAYA PATH**

Annexure - A

Division:- R.W.D., Works Division., BIRPUR

Sub division:- BASANTPUR

Length of Breach- 0.5 KM, Road Length- 1.875 KM

BLOCK :- BASANTPUR

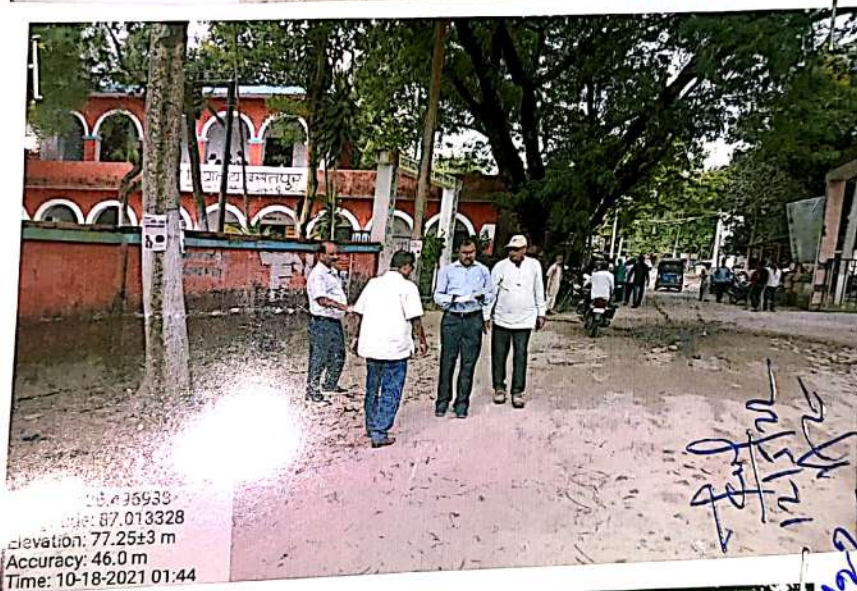
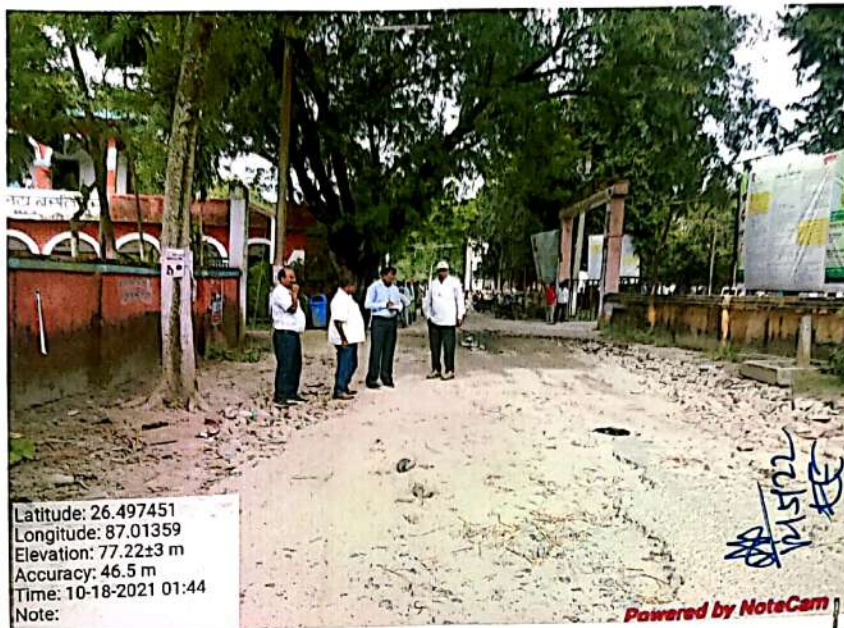
Year-2021-22

Sl. No./ Item no.	Item of works	No.	L	B	H	Quantity
			M	M	M	CUM
1/5.7.7 (WRD)	Supply and carriage of brikk bats up to 8 km from breach and placing in breach and laying of bats all complete job. as perspecification and direction of E/I	1	3.0	1.70	0.25	1.28
		1	70.0	$(4.10+5.7+4.5)/3$	$(0.15+0.30+0.40)/3$	94.54
		2	10.0	$(3.2+3.35)/2$	$(0.30+0.25)/2$	18.13
		2	4.500	1.750	0.20	3.150
		1	33.50	$(3.50+4.35)/2$	0.225	29.58
		1	13.0	$(4.10+4.30)/2$	0.2	10.92
		1	58.0	$(3.75+4.0+2.5)/3$	$(0.15+0.30+0.25)/3$	46.24
		1	35.00	$(3.20+4.40)/2$	$(0.25+0.30)/2$	36.58
		2	5.20	1.50	0.25	3.90
		1	9.50	$(5.0+5.5)/2$	$(0.15+0.30+0.15)/3$	9.98
		2	30.00	$(3.2+3.0)/2$	$(0.30+0.25)/2$	51.15
		1	10.00	$(1.5+1.7)/2$	$(0.25+0.20)/2$	3.60
		1	6.00	$(2.3+3.5+2.1)/3$	$(0.15+0.30+0.15)/3$	3.16
		1	4.50	$(2.2+2.5)/2$	$(0.10+0.25+0.15)/3$	1.76
					Total	313.97
	Granular Sub-base with Well Granular Material (Table 400.1)					
2- 401	Construction of Granular Sub-base by providing well graded material (Crushed Stone Aggregates and Local Sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in placde method with rotavator at OMC, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401					
		1	6.00	0.80	0.10	0.48
		1	4.50	1.15	0.075	0.388125
		1	2.00	1.00	0.10	0.2
		1	1.50	1.50	0.075	0.16875
		2	2.00	$(0.080+0.065)/2$	0.10	0.029
		2	2.15	0.65	0.10	0.2795
		1	3.00	0.70	0.10	0.21
		1	12.00	$(.60+.50)/2$	0.01	0.066
					Total	1.821

12/5/22
Junior Engineer,
R.W.D., Basantpur

12/5/22
Assistant Engineer,
R.W.D., Basantpur

12/5/22
Executive Engineer,
R.W.D., Works Division, Virpur



प्रतिवेदन
स्थल पर किये गये कार्य की मापी

क्रमांक	प्रखण्ड	कार्य का नाम	किये गये कार्य का नाम	स्थल पर किये गये कार्य की मापी				
				No.	L	B	H	Quantity
1/5.7.7 (WRD)	Basantpur	ROAD FROM SH 91 BIRPUR TO AIRPORT VIA BASANTPUR BLOCK MUKHYALAYA PATH	Brick bats		M	M	M	CUM
				1	3.0	1.70	0.25	1.28
				1	70.0	$(4.10+5.7+4.5)/3$	$(0.15+0.30+0.40)/3$	94.54
				2	10.0	$(3.2+3.35)/2$	$(0.30+0.25)/2$	18.13
				2	4.500	1.750	0.20	3.150
				1	33.50	$(3.50+4.35)/2$	0.225	29.58
				1	13.0	$(4.10+4.30)/2$	0.2	10.92
				1	58.0	$(3.75+4.0+2.5)/3$	$(0.15+0.30+0.25)/3$	46.24
				1	35.00	$(3.20+4.40)/2$	$(0.25+0.30)/2$	36.58
				2	5.20	1.50	0.25	3.90
				1	9.50	$(5.0+5.5)/2$	$(0.15+0.30+0.15)/3$	9.98
				2	30.00	$(3.2+3.0)/2$	$(0.30+0.25)/2$	51.15
				1	10.00	$(1.5+1.7)/2$	$(0.25+0.20)/2$	3.60
				1	6.00	$(2.3+3.5+2.1)/3$	$(0.15+0.30+0.15)/3$	3.16
				1	4.50	$(2.2+2.5)/2$	$(0.10+0.25+0.15)/3$	1.76
							Total	313.97
			ular Sub-base					
			by providing well graded material (Crushed Stone Aggregates and Local Sand) spreading in uniform					
			For Grading II Material					
				1	6.00	0.80	0.10	0.48
				1	4.50	1.15	0.075	0.388125
				1	2.00	1.00	0.10	0.2
				1	1.50	1.50	0.075	0.16875
				2	2.00	$(0.080+0.065)/2$	0.10	0.029
				2	2.15	0.65	0.10	0.2795
				1	3.00	0.70	0.10	0.21
				1	12.00	$(.60+.50)/2$	0.010	0.066
							Total	1.821

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, सुपौल

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, वीरपुर

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, त्रिवेणीगंज

अधीक्षक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, मधेपुरा

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, वीरपुर, समिति के जॉच प्रतिवेदन के अनुसार Post Facto M.B. एवं Post Facto प्राक्कलन तैयार कराकर सक्षम पदाधिकारी को अग्रेतर कार्रवाई हेतु समर्पित।

अधीक्षक अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, मधेपुरा

Restoration Project from 5491 Birch
to Airport via Bascombur Black Mt 549 Path.
Schedule XLV-Form No. 134

R.W. D. Cook Birch DIVISION

R.W. D. Cook Bascombur SUB-DIVISION

MEASUREMENT BOOK

1004
61612

Name of Work—
Situation of Work—
Agency by which work is executed—
Date of Measurement—
No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W. Road from					
SA 91 Bhopur to Airport					
via Basantpur blocks mukhyamantri					
path					
Agency- Dept.					
Authority- E.E. R.W. D.W. D.V.					
Bhopur.					

Date - 24/5/22			
① no supply and buy			
of Brick bats with			
carriage included			
$1 \times 3.0 \times 1.70 \times 0.25 \text{ m}^3$	$=$	1.28 m^3	
$1 \times 70 \times (4.10 + 5.70 + 4.5) / 3 \times (0.15 + 0.3 + 0.4)$	$=$	94.54 m^3	
$2 \times 10.0 \times (3.2 + 3.35) / 2 \times (0.30 + 0.25)$	$=$	18.13 m^3	
$2 \times 4.50 \times 1.70 \times 0.20 \text{ m}^3$	$=$	3.15 m^3	
$1 \times 33.50 \times (3.5 + 4.35) / 2 \times 0.225 \text{ m}^3$	$=$	29.58 m^3	
$1 \times 13.00 \times (4.10 + 4.30) / 2 \times 0.20 \text{ m}^3$	$=$	10.92 m^3	
$1 \times (50 + 8) \times (3.75 + 4.0 + 2.50) / 3 \times (0.15 + 0.3 + 0.4)$	$=$	46.24 m^3	
Continuation			3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 35.10x	(3.2 + 4.40)	1/2	(0.25 + 0.3)	2.00	
					= 36.58 m ³
2x 5.50 x 1.50 x 0.25					= 3.90 m ³
1x 9.50 x	(5.0 + 5.50)	1/2	(0.15 + 0.3 + 0.15)	3	
					= 9.98 m ³
1x 2x 30x	(3.20 + 3.0)	1/2	(0.30 + 0.25)	2.00	
					= 51.15 m ³
1x 10.0 x	(1.50 + 1.70)	1/2	(0.25 + 0.2)	2.00	
					= 3.60 m ³
1x 6.0 x	(2.30 + 3.50 + 2.10)	1/3	(0.15 + 0.3 + 0.15)	3	
					= 3.16 m ³

1x 4.50 x	(2.2 + 2.50)	1/2	(0.10 + 0.25 + 0.15)	3	
					= 1.76 m ³
Total Qty =					313.97 m ³

(2). 100. long. sl. cut to 656.

It with 2000 sand

width 120-123

1x 6.0 x 0.80 x 0.10					= 0.48 m ³
1x 4.50 x 1.150 x 0.075					= 0.380 m ³
1x 2.0 x 1.0 x 0.10					= 0.20 m ³
1x 1.50 x 1.50 x 0.075					= 0.169 m ³
2x 2.0 x	(0.080 + 0.065)	1/2	0.10		= 0.029 m ³
2x 2.15 x 0.65 x 0.10					= 0.280 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 3.0 x 0.70 x 0.10 m					0.21 m ³
1x 12.0 x (0.60 + 0.50) x 0.10 m					0.66 m ³
Total =					1.82 m ³
For 24/6/22 JE					For 24/6/22 AE

material statement

1. Stone - 1.322 m³2. Local sand - 0.874 m³③ Bricks/bats - 313.97 m³
~~For~~
~~24/6/22~~
~~JE~~
~~For~~
~~24/6/22~~
~~AE~~

Continuation

Abstract/Calc.

4

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W - Rec. Jangra from road from SH 91 Bt. put to Airport via Basantpur block. mukhopadhyay path.					
Year 2021-22.					
Agency - Dept.					
Authenticity - EE, RND, W.D., Bt. put.					
Date - 24/6/2022.					
① 200 sqm long of bridge with carriage					
actual 200 sqm					
volume (2) = 313.92 m ³					
Ch 1922 = 87/m ³					
603723 =					
② 100 sqm long of bridge with carriage to site					
actual 100 sqm					
volume (3) = 1.821 m ³					
Ch 3010 = 64/m ³					
5482 =					
Continuation					
609205 =					

[illegible]