

Index of Road

NAME OF ROAD :-	Detailed Estimate for Temporary and permanent restoration of Road from L033-L024 KHAWAN TO KHAWN DIYAR
DISTRICT :-	Madhepura
BLOCK :-	Alamnagar
Head :-	F.D.R.
Year :-	YEAR (2020 - 2021)
Actual Length of Road :-	2.935 Km
Flood Affected Length of R :-	0.900 Km

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प्रतिवेदन

पथ का नाम:- 1033-1024 Khann To Ichawan Bgm

प्रखंड:- Almunagm

जिला:- मधेपुरा

पथ की कुल लम्बाई:- 2.935 कि०मी०

प्रसासनिक स्वीकृति की राशि:- लाख

प्रस्तुत प्राक्कलन मो०:- 25.988 लाख का वर्ष 2020 में आयी बाढ़ एवम्

अतिवृष्टि से क्षत्रिग्रस्त पथों को मानक अवस्था में लाने हेतु विभागीय पत्रांक-

मु०अ०-4(मु०)विविध (कार्य)-23-291/2019 726 पटना,दिनांक-12-02-2020

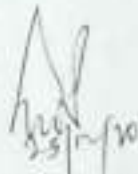
,पत्रांक- मु०अ०-4(मु०)विविध (कार्य)-23-116/2017 3446 दिनांक 18.09.2020

एवम् पत्रांक- मु०अ०-4(मु०)विविध (कार्य)-23-56/2016 726 पार्ट-1-4665

पटना,दिनांक-15.12.2020 के द्वारा दिए गये निर्देश का अनुपालन कर ग्रामीण कार्य विभाग,कार्य प्रमंडल,उदाकिशुनगंज के अधीन स्वीकृत प्राक्कलन के दर पर तैयार की गयी है।


29/12/20

कनीय अभियंता


29/12/20

सहायक अभियंता


29/12/20

कार्यपालक अभियंता

ग्रामीण कार्य विभाग,कार्य प्रमंडल

उदाकिशुनगंज

FDR
YEAR (2020 - 2021)

GENERAL ABSTRACT OF COST

Block:--Alamnagar

District:--Madhepura

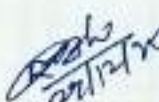
Length of Road:-- 2.935 KM

Length of Affected Road in
meter 900

Name of Road:--

**Detailed Estimate for Temporary And permanent
restoration of Road from I.033-I.024 KHAWAN TO**

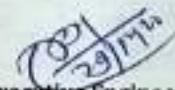
SL. No.	Item of Work	Amount	
A	TOTAL COST OF CONSTRUCTION PART-A	11.721	
B	TOTAL COST OF CONSTRUCTION PART-B	11.378	Lacs
C	Add 1% LCESS ON PART-A	0.117	Lacs
	Add GST @ 12% ON TOTAL CONSTRUCTION COST	2.772	Lacs
	TOTAL	25.988	Lacs


Junior Engineer

RWD (w) SUB Division,
ALAMNAGAR


Asstt. Engineer

RWD (w) SUB Division, ALAMNAGAR


Executive Engineer

RWD (w) Division,
Udakishunganj

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Detailed Estimate for Temporary And permanent restoration

DISTRICT

Madhepura

BLOCK

Alamnagar

LENGTH OF ROAD (in Km)

2.94

LENGTH OF AFFECTED ROAD (in m)

900.000

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	Supplying fitting and fixing in position split Bamboo woven chanchary	0.0965
2	Labour for cutting 62mm to 75mm dia bamboo piles in size and making shoe	0.0795
3	Labour for cutting 62mm to 75mm dia bamboo Runner in size and making shoe	0.0091
4	Supplying of Nariyal oil	0.0015
5	Providing fitting and fixing split bamboo woven chachari	0.0000
6	Empty cement bags with local sand	0.0005
7	Sand filling in foundation trenches	0.0000
8	Brick bat	1.8736
9	EARTHWORK	0.737
10	GSB	0.000
11	WBM GRADE II	2.504
12	WBM GRADE III	2.903
13	PRIME COAT	0.465
14	TACK COAT	0.285
15	PREMIX CARPET	3.398
16	SEAL COAT	1.006
17	CULVERT	0
	Sub Total :-	23.0988740
	GST @12%	2.7718649
	Add Lcess Charges @ 1% of Sub Total of temporary restoration :-	0.1172065
	TOTAL COST OF PROJECT IN LACS =	25.9879454

[Signature]
29/12/20
Senior Engineer

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29/12/20
Assistant Engineer

[Signature]
Executive Engineer
RWD (w)
Division,
Udakishunganj

RWD (w) SUB Division, ALAMNAGAR RWD (w) SUB Division, ALAMNAGAR

Technically approved for Rs 25,98,800.00 (Rupees Twenty five lakh Ninety eight thousand and eight hundred only)

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29/12/21

DETAIL ESTIMATE												
SL No.	SIDE	MORD	Ref No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
TEMPORARY RESTORATION PART -(A)												
1	14.1			Supplying fitting and fixing 13 position split Bamboo woven chachari with 20SWG G.I at all complete job (75mm dia and 6 meter length meter long)								
				Pile	m	25.00	2.25			56.25		
						30.00	2.25			67.50		
				Runner		30.00	2.20			66.00		
										0.00		
						20.00	4.00			80.00		
						25.00	4.00			100.00		
				Total Length of bamboo in meter						369.75		
				Total qty (Length/6mtr)	Sqm					61.63		
				Total Quantity (Length/6mtr)						62.00		
2	5.7.7			Labour for cutting 62mm to 75mm dia bamboo piles in size and making shoe. Do complete job as per specification.,						62.00	155.65	9550.30
3	5.7.8			Labour for cutting 62mm to 75mm dia bamboo Runner in size and making shoe. Do complete job as per specification.,	Piles	1.00	189.75			189.75	41.91	7952.42
4				Supplying of Marial coil	Runner							
5				Providing fitting and fixing split bamboo woven chachari in position with 20SWG wire of 75mm to 100mm long nails alternatively including cost of G.I wire or nails, bamboo labour for complete job as per specification and direction of E/I	kg	1.00	180.00			180.00	5.06	910.80
						1.00	5.20			5.20	27.98	145.50
				TOTAL (COST OF CHACHARI)	Sqm					0.00		
					Sqm					0.00	41.00	0.00

Sl. No.	SDE SL No.	MORD Ref. No.	Description	Unit	NO.	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
			i) Earth shoulder								
			AS PER ANNEXURE IIE CLOSED For 1000 m lead @ 100 %								
10	4.1	401	Sub Head : PAVEMENT MATERIALS - GSB & WBM ITEMS						510.38	344.40	175,998.00
			Granular Sub-base with well Graded Material (Table 400.1)								
			(A) (By mix in place method)								
			For Grading II Material								
			Construction of granular sub-base by providing well graded material spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing w mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 405.								
			Net GSB Qty. Required from Grading II Material as per annexure closed								
11	4.2	405	Water Bound Macadam with Stone Screenings						0.00	2,118.38	0.00
			WBM Grading 2 (By Manual Means)								
			Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.								
			Net WBM 2 Qty as per annexure closed								
12	4.3	405	WBM Grading 3 (By Manual Means)						55.80	4,186.88	2,33,368.00

Sl. No.	SOI SL. NO. (3-7)	MORD Ref No	Description	Unit	MOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
			Providing, laying, spreading and compacting stone aggregates of specific size to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 is per Technical Specification Clause 405.								
			Net WBM - 2 Qty as per annex are closed								
13	5.1	502 (1)	SUB HEAD: BITUMINOUS ITEMS Prime coat (Low porosit)						67.73	4,487.01	2,99,338.00
			Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90-1.2 kg/sq m using mechanical means as per Technical Specification Clause 502.								
			AS PER ANNEXURE CLOSED	Sqm		0.00			903.00		
14	5.2	503 (III)	Tack Coat Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with primer and cleaned with hydrilose broom as per technical specification clause 503.						903.00	51.48	46,486.00
			AS PER ANNEXURE CLOSED	Sqm							
			Add for extra widening on curve (2%)	Sqm					1,689.75		
				Sqm					0.00		
15	5.9	508	Premix Carpet	Sqm					1,689.75	16.85	28,472.00

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L033-L024 KHAWAN TO KHAWN DIYAR

earth work

	Times	DISTANCE(m)	WIDTH(m)	HIGHT(m)	VOLUME(CUM)
150	5	30	1	0.4	60.00
300	5	30	1.25	0.45	84.38
450	5	30	1.25	0.4	75.00
570	4	30	1.5	0.6	108.00
660	3	30	1.5	0.35	47.25
810	5	30	1.25	0.4	75.00
900	3	30	1.5	0.45	60.75

510.38

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L033-L024 KHAWAN TO KHAWN DIYAR			WBM2			
CHAINA CE	TIMES	DISTANC E	WIDTHI	height	volume	remarks
1st km	3	15	1	0.075	3.38	
	4	10	2.25	0.075	6.75	
	3	6	1.75	0.075	2.36	
	5	8	3.75	0.075	11.25	
	4	5	1.5	0.075	2.25	
	3	4	1.25	0.075	1.13	
2nd km	4	5	1.5	0.075	2.25	
	6	6	2	0.075	5.40	
	7	3	1.5	0.075	2.36	
	6	4	1	0.075	1.80	
	5	6	3.75	0.075	11.25	
	4	5	3.75	0.075	5.63	
					55.80	

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L033-L024 KHAWAN TO KHAWN DIYAR			WBM3		
CHAINA GE	TIMES	DISTANC E	AVG WIDTH(m)	height	volume
1st km	3	15	1.5	0.075	5.06
	4	12	2.5	0.075	9.00
	3	8	2	0.075	3.60
	5	8	3.75	0.075	11.25
	4	6	1.75	0.075	3.15
	3	4	1.5	0.075	1.35
2nd km	4	5	1.5	0.075	2.25
	6	6	2.5	0.075	6.75
	7	5	1.5	0.075	3.94
	6	5	1.5	0.075	3.38
	5	8	3.75	0.075	11.25
	4	6	3.75	0.075	6.75
					67.73

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L033-L024 KHAWAN TO		PRIME COAT		
	TIMES	length	AVG width	AREA
1ST KM	3	15	1.5	67.50
	4	12	2.5	120.00
	3	8	2	48.00
	5	8	3.75	150.00
	4	6	1.75	42.00
	3	4	1.5	18.00
2ND KM	4	5	1.5	30.00
	6	6	2.5	90.00
	7	5	1.5	52.50
	6	5	1.5	45.00
	5	8	3.75	150.00
	4	6	3.75	90.00
				903.00

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L033-L024 KHAWAN TO KHAWN DIYAR			TACCK COAT&PREMIX CARPET		
	TIMES	DISTANC E	AVG width	AREA	
1ST KM	3	15	3.75	168.75	
	4	12	3.00	144.00	
	3	8	3.75	90.00	
	5	10	3.00	150.00	
	4	8	3.75	90.00	
2ND KM	3	11	2.50	82.50	
	4	9	3.75	135.00	
	6	8	3.50	168.00	
	7	12	3.50	294.00	
	6	8	3.75	180.00	
	5	10	3.75	187.50	
				1689.75	

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CALCULATION SHEET

Annexure-A

Name of Road:- L033-L024 KHAWAN TO KHAWN DIYAR

Block:- Alamnagar

Length of Road:- 3.580 Km.

Length of Road:- 0.900

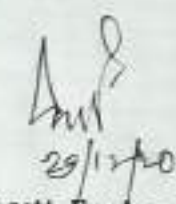
District:- MADHEPURA

Description	Nos.	Length(m)	Width(m) avg	Height/ Thickn es(m)	Quantity(cum)
1 1st KM	1	5.00	2.00	0.300	3.000
	1	4.00	1.50	0.30	1.800
	2	5.00	2.25	0.35	7.875
	2	4.00	1.75	0.40	5.600
	2	6.00	2.50	0.35	10.500
	3	4.00	3.00	0.30	10.800
	5	5.00	2.50	0.25	15.625
2 2nd KM	2	4.00	2.00	0.30	7.200
	2	6.00	2.50	0.35	10.500
	5	5.00	2.00	0.35	17.500
	1	4.00	1.50	0.25	1.500
	2	3.00	2.00	0.20	2.400
	3	5.00	2.50	0.15	5.625

99.925


Junior Engineer

RWD (w) SUB Division, ALAMNAGAR


Asstt. Engineer

RWD (w) SUB Division,


Executive Engineer

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