



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.

YEAR (2021-22)

STATE
DISTRICT
BLOCK
DIVISION

BIHAR
MADHEPURA
MURLIGANJ
MADHEPURA

**DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM RAGHUNATHPUR WARD NO-6 ME
KAMESHWAR YADAV KE GHAR SE KAILASH YADAV KE
GHAR TAK**

Actual Length of Road	=	0.750 Km
Flood affected Length of Road	=	0.596 Km
TOTAL COST OF PAVEMENT	Rs	17,27,884.79
TOTAL PROJECT COST	Rs	17,27,884.79

Submitted By:
Executive Engineer
RWD (W) Division, Madhepura

Prepared By:
Executive Engineer
RWD (W) Division, Madhepura

—:तकनीकी प्रतिवेदन:—

अंचल का नाम:— मधेपुरा

प्रमण्डल का नाम:— मधेपुरा।

योजना शीर्ष:— 3054 एफ.डी.आर.

पथ का नाम:— **Ragunathpur ward no 6 me kameshwar Yadav ke ghar se kailash yadhav ke ghar tak**

पथ की लम्बाई:—0.750 कि.मी.

निर्मित/निर्माणाधीन पथ का शीर्ष:—.....

प्राक्कलित राशि:— रू0 17.270 लाख

प्रस्तुत प्राक्कलन वर्ष 2021 में आई अप्रत्याशित अतिवृष्टि एवं बाढ़ के कारण **Ragunathpur ward no 6 me kameshwar Yadav ke ghar se kailash yadhav ke ghar tak** पथ में हुए क्षति यथा कटाव/धसान/जलजमाव की आकस्मिक मरम्मत एवं यातायात पूर्णबहाल करने हेतु शीर्ष 3054 एफ.डी.आर. मद से सचिव, ग्रामीण कार्य विभाग/उच्चाधिकारियों के द्वारा दिये गये निर्देश के अनुपालन में तैयार किया गया है।

प्राक्कलन अन्तर्गत पथ में हुए क्षति की विस्तृत मापी दर्शायी गई है एवं प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है।

A. K. May
01/11/21

कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, मुरलीगंज

Omish
01/11/21

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल मुरलीगंज

Sh
11/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, मधेपुरा।

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :-

DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM RAGHUNATHPUR WARD NO-6 ME
KAMESHWAR YADAV KE GHAR SE KAILASH YADAV KE
GHAR TAK

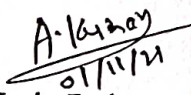
DIVISION :- MADHEPURA


BLOCK :- MURLIGANJ

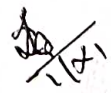
Actual Length of Road :- 0.750 Km

Flood Affected Length of Road :- 0.596 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	14,62,914.57
2	Add:-Labour Cess @1% amt. =	14,629.15
3	Add:GST@12% on amt. =	1,75,549.75
4	Add:S.F.@ 10% on Material =	74,791.33
TOTAL RESTORATION COST OF THE PROJECT IN LACS		17,27,884.79


Junior Engineer
RWD (W) Division, Madhepura


Assistant Engineer
RWD (W) Division, Madhepura


Executive Engineer
RWD (W) Division, Madhepura

Inspection Report for Flood Damage work

Date:-

1 Name of PIUS :-

2 Name of Block :-

3 Name of Road :-

Madhepura

Murhiganr

Ragunathpur ward no-6 me Kameshwar Yadhar ke Ghar se
Kailash Yadhar ke Ghar tak

A. For Road

1 Damage Location/Chainage :-

2 Damage Length :-

0.750 km

3 Nature of damage :-

4 Details of Restoration Works :-

i Material being used in Restoration works:-

Bricks bats, local sand

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

B. For Bridge

1 Damage Location/Chainage :-

2 Damage Length :-

3 Nature of damage :-

4 Details of Restoration Works :-

i Material being used in Restoration works:-

ii Equipments/Tools being used in Restoration works :-

iii Procedure taken up in Restoration works :-

iv Restored Length :-

A. Kishan
01/11/21
JE

Prakash
01/11/21
AE

EE

01/11/21

Signature

(Name of inspector)

Details of Measurement

कार्य का ब्यौरा Deatail of Workl		संख्या No.	Measurement			मात्रा Quantity
			लम्बाई in m.	चौड़ाई In m.	In m.	
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR WARD NO-6 ME KAMESHWAR YADAV KE GHAR SE KAILASH YADAV KE GHAR TAK				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
Ch:-in		15	30	2.59	0.075	87.413
Ch:-in		1	23	2.59	0.075	4.468
Ch:-in		1	20	4.5	0.450	40.500
Ch:-in		1	13.21	4.5	0.450	26.750
Ch:-in		1	16	4.5	0.450	32.400
Ch:-in		1	13	4.5	0.450	26.325
			Total (in Cum)			217.856
Item No. 2	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.					
Ch:-in 0 to 81		1	21.34	2.74	0.150	8.771
		2	30.00	0.90	0.150	8.100
		2	9.00	0.90	0.150	2.430
		2	2.50	0.80	0.150	0.600
		1	2.00	0.75	0.150	0.225
		2	16.00	0.90	0.200	5.760
Ch:-in 81 to 162		1	30.00	2.95	0.300	26.550
		1	30.00	3.03	0.250	22.725
		1	20.00	3.65	0.750	54.750
Ch:-in 162 to 309		1	13.71	3.65	0.750	37.531
		2	30.00	3.10	0.250	46.500
		1	13.00	2.59	0.200	6.734
		2	30.00	3.10	0.350	65.100
Ch:-in 309 367		1	16.00	4.20	0.75	50.400
		1	13.00	4.20	0.75	40.950
		1	30.00	3.15	0.35	33.075
Ch:-in 367 to 459		3	30.00	3.03	0.45	122.715
		1	1.50	2.74	0.30	1.233
Ch:-in 459 to 550		3	30.00	3.15	0.40	113.400
		1	1.50	3.75	0.35	1.969
Ch:-in 550 to 700		1	30.00	3.10	0.30	27.900
		1	16.00	3.10	0.35	17.360
						694.778
			Total (in Cum)			694.778

A. K. Yadav
01/11/24
or

Prinsh
01/11/24
A-E

Schedule of Quantity

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD
NAME OF ROAD :- FROM RAGHUNATHPUR WARD NO-8 ME KAMESHWAR YADAV BLOCK :- MURLIGANJ
KE GHAR SE KAILASH YADAV KE GHAR TAK

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	217.86	Cum	582.71	126947.54
2	A/R	Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.	694.78	Cum	1922.87	1335967.03
3	5.7.7	Labour for cutting 62mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I	0.00	m	45.86	0.00
4	5.7.8	Labour for fitting and fixing Split bamboo woven chachari in position with 20 swg G.I wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E/I	0.00	sqm	78.20	0.00
5	5.7.9	Labour for fitting and fixing 75 mm dia bamboo runners in position at every vertical pole with 150 mm long nails or 38 swg G.I. wire including cost of G.I wire or nails complete job as per specification and direction of E/I	0.00	m	5.31	0.00
6		Supply of Bamboo at site.	0.00	nos.	188.39	0.00
7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I	0.00	nos.	37.05	0.00
8		Providing, laying and filling Geo bags of size 1m X 0.7 m (Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m ³ . weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)	0.00	Each	172.18	0.00
9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by 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 401.	0.00	Cum	2091.76	0.00
10	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4046.57	0.00
		Total			Rs.	1462914.57

A. K. Nayak
JE 01/11/21

AE

EE

Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF ROAD FROM RAGHUNATHPUR WARD
NO-6 ME KAMESHWAR YADAV KE GHAR SE KAILASH YADAV KE GHAR TAK
BLOCK :- MURLIGANJ

S.No	SOR NO	DESRPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		EW	217.86	Cum	141.85	30902.80
2/2	A/R	Providing & laying Brick Bat....				
		Providing and laying of Brick bat obtained from chimney with machanical means with all spreading, grading to required slope and compacted at OMC to acheive required density with all complete as per the direction of engineer in charge.				
		Brick Bats	694.78	Cum	1032.00	717010.50
3/7	5.7.40.1	Labour filling empty cement bags with loocal sand, stitching the bags and placing including supply of sutli and EC bag etc. all complete as per approved desing, specification and direction of E/I				
		Sand	0.00	Cum	141.85	0.00
4/8	5.7.40.2	Providing,laying and filling Geo bags of size 1m X 0.7 m(Type A 300 GSM nonwoven) weight of bags 420g volume of filled bag 0.07m3. weight of filled Geo bags 126 Kg with local sand including stitching in four lines by approved nylon thread with stitching machine and generator stacking and placing after loading unloading and carriage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carriage of Local sand lead 0.5 km)				
		Sand	0.00	Cum	141.85	0.00
5/9	401	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by 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 401.				
		For Grading I Material (with Coarse Sand Screening)				
		Unit = Cum				
		Taking output = 300 cum				
		Coarse graded granular sub-base material as per Table 400.2				
		53 mm to 9.5mm @ 50 percent	180.00	Cum	516.42	92955.60
		9.5 mm to 2.36 mm @ 20 percent	72.00	Cum	411.33	29615.76
		2.36 mm below @ 30 percent (coarse Sand Screening)	108.00	Cum	185.94	20081.52
		Cost for 300 cum = a				142652.88
		Rate psr Cum = (a)/300		Cum		475.51
			0.00	Cum	475.51	0.00
		GSB Gr-I				0.00
					TOTAL	747913.30
		Seigniorage Fees @10% of Basic Amount			Say	74791.33

A. Laxman
JE

Brinsh
01/11/24
AE

EE