



# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

## BIHAR RURAL ROADS PROJECT

Bihar Rural Development Agency (BRRDA)

Head :- F.D.R.(MMGSY)

YEAR (2021-22)

STATE  
DISTRICT  
BLOCK  
DIVISION

BIHAR  
SAHARSA  
MAHESI  
SAHARSA

**DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF  
ROAD FROM KUNDAH MAIN ROAD TO NAYA TOLA  
KUNDAH (SC)**

Actual Length of Road	=	1.500 Km
Flood affected Length of Road	=	0.052 Km
TOTAL COST OF PAVEMENT	Rs	316,253.94
TOTAL PROJECT COST	Rs	316,253.94

## प्रतिवेदन

पथ का नाम : Kundah Main Road to Naya Tola Kundah


प्रखंड : Mahishi

जिला : Saharsa

पथ की कुल लम्बाई : 1.50 कि.मी.

कुल प्राक्कलित राशि : 3,16,254.00

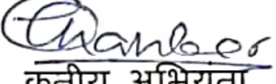
प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल सहरसा अंतर्गत निर्माणाधीन पथ Kundah Main Road to Naya Tola Kundah के वर्ष 2021 के बाढ़ एवं अतिवृष्टि से चैनेज 592-784 मीटर के मध्य विभिन्न चैनेजों पर हुए कटाव को विभागीय पत्र संख्या -मु0अ0-4(मु0)विविध (कार्य)-23-291/2019 4275 पटना,दिनांक22.10.2021, मु0अ0-4(मु0)विविध(कार्य)-23-291/2019 4589 पटना,दिनांक13.11.2021 के द्वारा दिया गया दिशानिर्देश के अनुपालन में आवागमन सामान्य करने हेतु तत्काल मोटरेबल का कार्य करने के उपरांत वर्तमान अनुसूचित दर पर अग्रिम कार्यवाही हेतु समर्पित है।

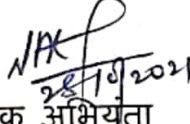
  
24-11-2021

कार्यपालक अभियंता  
कार्य प्रमंडल सहरसा

## संयुक्त तकनीकी प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग, कार्य प्रमंडल सहरसा अंतर्गत निर्माणाधीन पथ Kundah Main Road to Naya Tola Kundah के वर्ष 2021 के बाढ़ से चैनेज 592-784 मीटर के मध्य विभिन्न चैनेजों पर हुए कटाव को विभागीय दिशानिर्देश के अनुपालन में आवागमन सामान्य करने हेतु तत्काल मोटरेबल का कार्य कर दिया गया है। पथ के कटाव वाले भाग में बम्बू पाइलिंग, सैंड बैग के साथ- साथ ब्रिक्स बैट का कार्य कराया गया है। प्रस्तुत प्राक्कलन वर्तमान अनुसूचित दर पर अग्रिम कार्यवाही हेतु समर्पित है।

  
कृत्रीय अभियंता  
28.10.2021  
कार्य प्रशाखा महिषी

  
सहायक अभियंता  
कार्य अवर प्रमंडल महिषी

  
कार्यपालक अभियंता  
कार्य प्रमंडल सहरसा

# Inspection Report For Flood Damage Work

Date:- 24.11.2021

1. Name of PIU:- Ashok Kumar Shrivastava (AE/RO/Saharsa)
2. Name of Block/Road:- Mahishi/ Kumadh main road to Naya tola  
Kumadh

## **A. For Road**

1. Damage Location Chainage:- Between 592m to 784m

2. Damage Length:- 52m

3. Nature of Damage:- Flood

4. Details of Restoration Work:-

- i. Material being used in Restoration Work:- Bamboo, Sand bag & Bridge bat
- ii. Equipment/Tools being used in Restoration Work:- Labour, JCB, Trolley
- iii. Procedure taken up in Restoration Work:- yes
- iv. Restored Length:- 52m

## **B. For Bridge**

1. Damage Location/Chainage:-

2. Damage Length:-

3. Nature of Damage:-

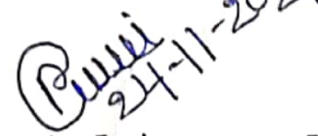
4. Details of Restoration Work:-


- i. Material being used in Restoration Work:-
- ii. Equipment/Tools being used in Restoration Work:-
- iii. Procedure taken up in Restoration Work:-
- iv. Restored Length

N/A

  
JE  
Mahishi

  
AE  
Mahishi

  
Executive Engineer  
Rural Works Department  
Works Division Saharsa

  
Executive Engineer  
Rural Works Department  
Works Division Khagaria

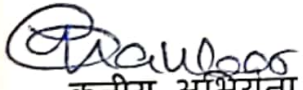


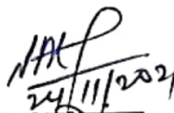
कार्यपालक अभियंता का कार्यालय  
ग्रामीण कार्य विभाग, कार्य प्रमंडल खगाडिया I


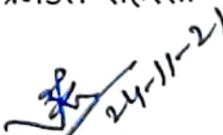
**जाँच प्रतिवेदन**

ग्रामीण कार्य विभाग, कार्य प्रमंडल सहरसा अंतर्गत वर्ष 2021 के बाढ़ से क्षतिग्रस्त पथों को मोटरेबल करने के पश्चात् अधीक्षण अभियंता ग्रामीण कार्य विभाग, कार्य अंचल सहरसा के पत्रांक - 944, दिनांक- 15.11.2021 के द्वारा दिये गए निर्देश के आलोक में दिनांक- 24.11.2021 को सहायक अभियंता एवं कनीय अभियंता की उपस्थिति में मोटरेबल पथ के चैनेज 592-784 मीटर के मध्य विभिन्न चैनेजों पर स्थल निरीक्षण किया गया, जिसमें पथ में किये गये कार्य को प्राक्कलन के अनुरूप पाया गया। कार्य वर्तमान स्थिति में संतोषप्रद है।

क्रमांक	पथ का नाम	राशि(लाख में)	क्षतिग्रस्त पथ की लम्बाई(मी)
1.	कुनदह मेन रोड से नया टोला कुनदह	3.16254	14.00+3.50+3.50+4.80+9.50 +3.20+5.30+8.00)=51.80

  
कनीय अभियंता  
कार्य प्रशाखा महिषी

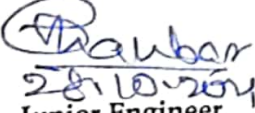
  
सहायक अभियंता  
कार्य अवर प्रमंडल महिषी

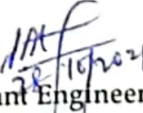
  
कार्यपालक अभियंता  
कार्य प्रमंडल सहरसा  
  
कार्यपालक अभियंता  
कार्य प्रमंडल खगाडिया

# SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY  
RESTORATION OF ROAD FROM KUNDAH  
MAIN ROAD TO NAYA TOLA KUNDAH (SC)  
DIVISION :- SAHARSA  
BLOCK :- MAHESI  
Actual Length of Road :- 1.500 Km  
Flood Affected Length of Road :- 0.052 Km

Sr. No.	Description	Amount (In Rs.)
1	Total Cost of Restoration=	269,770.44
2	Add:-Labour Cess @1% amt. =	2,697.70
3	Add:GST@12% on amt. =	32,372.45
4	Add:S.F.@ 10% on Material (Brick Bats) =	11,413.35
TOTAL RESTORATION COST OF THE PROJECT IN LACS		316,253.94

  
28/10/2021  
Junior Engineer  
RWD (W) Division, Saharsa

  
28/10/2021  
Assistant Engineer  
RWD (W) Division, Saharsa

  
28/10/2021  
Executive Engineer  
RWD (W) Division, Saharsa

पत्रिक - मुद्रा-4 (मु) विविध (अर्थ) 23-29/12/2019  
-4849 दिनांक - 07.12.2021

~~Technically sanctioned for Rs. 3,14,254.00  
(Rupees Three lakh, fourteen thousand and  
two hundred fifty four only.)~~

Technically sanctioned for Rs. 3,16,254.00  
(Rupees Three lakh, sixteen thousand  
two hundred fifty four only)

19/04/22

Superintending Engineer  
R.W.D. Works Circle  
SAHARSA

19.04.22

19.04.22



## Calculation of Seigniorage Fees

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM KUNDAH MAIN ROAD TO  
BLOCK :- NAYA TOLA KUNDAH (SC)  
MAHESI

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
2/2	A/R	OF ITEMS				
		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	104.22	Cum	1032.00	107555.04
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	3.88	Cum	141.85	549.81
4/9	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I				
		Sand	42.50	Cum	141.85	6028.63
5/10	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	114133.48
		Seigniorage Fees @10% of Basic Amount			Say	11413.35

*Shambeer*  
28.10.2021  
JE

*MAF*  
28/10/2021  
AE

*P. J. J.*  
28-10-2021  
EE



## Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY  
RESTORATION OF ROAD FROM KUNDAH MAIN  
ROAD TO NAYA TOLA KUNDAH (SC)

BLOCK :- MAHESI  
DISTRICT :- SAHARSA

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand Filling in Foundation Trenches as per Drawing & Technical Specification.	0.00	Cum	582.71	0.00
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.	104.22	Cum	1922.87	200401.51
3/3	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	225.00	m	45.86	10319.61
4/4	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	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	41.40	m	5.31	219.71
6/6		Supply of Bamboo at site.	44.00	nos.	188.39	8288.99
7/7	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	1.14	Per %	3705.32	4224.07
8/8		Supply of Nylon Crate of size 1mx1mx1m at site.	0.00	Each	44.63	0.00
9/9	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I	50.00	Each	926.33	46316.55
10/10	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	3128.33	0.00
11/11	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	0.00	m	4046.57	0.00
					Say	269770.44
		Seigniorage Fees				11413.35
		Add @12% GST				32372.45
		Add @1% Lebour Cess				2697.70
						316253.94
					Say	316253.94

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28.10.2024  
EE

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28.10.2024

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28-10-2024  
EE

## Schedule of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD  
FROM KUNDAH MAIN ROAD TO NAYA TOLA KUNDAH (SC)

BLOCK :-

MAHESI

S.No	SOR NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	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.	104.22	Cum	1922.87	200401.51
2	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	225.00	m	45.86	10319.61
3	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	41.40	m	5.31	219.71
4		Supply of Bamboo at site.	44.00	nos.	188.39	8288.99
5	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	1.14	Per %	3705.32	4224.07
6	5.7.40.2	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I	50.00	Each	926.33	46316.55
		Total			Rs.	269770.44

*Rahgo*  
28.10.2021

*AE*  
28/10/21

*EE*  
28-10-2021

## 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 TEMPORARY RESTORATION OF ROAD FROM KUNDAH MAIN ROAD TO NAYA TOLA KUNDAH (SC)				
Item No. 1 :	Laying Brick Bat....					
	CH:-in 1st km.	1	14	4.40	0.80	49.280
	CH:-in 1st km.	2	3.5	1.00	1.10	7.700
	CH:-in 1st km.	2	3.5	1.00	1.25	8.750
	CH:-in 1st km.	2	4.8	0.50	0.90	4.320
	CH:-in 1st km.	1	9.5	3.60	0.30	10.260
	CH:-in 1st km.	1	3.2	4.50	0.30	4.320
	CH:-in 1st km.	1	5.3	1.00	0.30	1.590
	CH:-in 1st km.	1	8	5.00	0.45	18.000
			51.8			104.220
			Total (in Cum)			104.220
Item No. 2	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					
		15			4.5	67.500
		35			4.5	157.500
	For Bamboo pilling 1.25m		Total (in m)			225.000
Item No. 3	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					
		3	4.8			14.40
		3	9			27.00
			Total (in m)			41.40

*Rawber*  
28.10.2021  
JE

*11Kf*  
28/10/2021

*Punni*  
28-10-2021



Item No. 4	Supply of Bamboo at site.					
					Total (In m)	260.40
					Total (In nos.)	44.40
Item No. 5	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					44.00
		5	8			40.00
		3	8			24.00
		10	5			50.00
					Total (In nos.)	114.00
					Total (In % nos.)	1.14
Item No. 6	Labour for filling empty cement bags with loocal sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specification and direction of E/I					
		1	114.00	0.75	0.5	42.75
	Ch.----- km	0				0.00
					Total (In cum)	42.75
					1nos=m3/0.034*25 Total (In per 25 nos.)	50.29
						50.00

Chander  
28/10/2021  
JE

MAF  
28/10/2021

Pratik  
28-10-2021