



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR MORTABLE REPAIRING OF ROAD

F.D.R MORTABLE RESTORATION (YEAR - 2021)

PANASI TO RATUA MEHESHMARI VIA RASIYADANGI PARLABARI

DETAILED ESTIMATE OF F. D. R MORTABLE REPAIRING ROAD

ROAD LENGTH	0 TO 11830M		
DISTRICT	KISHANGANJ		
BLOCK	POTHIA		
DIVISION	KISHANGANJ-2		
TOTAL LENGTH OF ROAD	:	11.830	KM
TOTAL COST OF F.D.R PART - A	:	22.992	LAKH
ADD GST @ 12 %	:	2.759	LAKH
ADD LABOUR CESS @ 1 %	:	0.230	LAKH
ADD Seigniorage Fee @ 10%	:	0.578	LAKH
TOTAL COST OF RESTORATION WORK in Rs.	:	26:559	LAKH

-:Submitted By:-
EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORKS DIVISION KISHANGANJ-2

प्रतिवेदन

प्रस्तुत प्राक्कलन ग्रामीण कार्य विभाग कार्य प्रमण्डल किशनगंज -2 अन्तर्गत Pothwa
काद के पथ ... Samarsi to Ratua Maheshmuni via Rarnadagari to Keshabpur (P.M.V.S.U.) जो
विनागीय Online Morititring System MIS पर अपलोड है के बाढ़ 2021 से क्षतिग्रस्त हो जाने के
कारण यातायात लायक Moterable हेतु बनाया गया है। इस कार्य को करने का निर्देश ग्रामीण कार्य
विभाग, बिहार सरकार के पत्रांक:-मु0अ0-4(मु0) विविध (कार्य) -23-291/2019-4275/पटना, दिनांक-
22/10/2021 से प्राप्त है। इस पत्र से Real time Geotagged Photographs को कार्य के दौरान
अपलोड करते हुए (Moterable) कार्य कराना सुनिश्चित करने का निर्देश प्राप्त है।

उक्त निर्देश के आलोक में ... दोड़... अतिवृष्टि/बाढ़ उपचार से आए बाढ़ के कारण इस पथ के
रोडवे के क्षतिग्रस्त हो जाने से सुरक्षित आवागमन हेतु Moterable कार्य कराया गया है। MIS में
उपलोडेड फोटो दिनांक का Lat/Long के साथ लिया गया है। नेपाल तराई से
निकलनेवाली इस नदी के तेज धार से इस पथ में कटाव की स्थिति बनी। गोदरेवल कार्य में
आवश्यकतानुसार मिट्टी भराई, लोकल बालु भराई, खाली सिमेंट बैग में लोकल बालु भरकर, बॉस का
पाइल, घचरी, बॉस का रनर, ह्यूम पाइप एवं ब्रिक बैट का इस्तेमाल किया गया है। निर्देशानुसार कराए
गए कार्य कि Geotagged Photographs Real Time के साथ MIS पर उद्धत है। MIS की
छायाप्रति, अपलोडेड फोटोग्राफ की छायाप्रति, दर विश्लेषण एवं विनागीय आदेशों की छायाप्रति प्राक्कलन
में संलग्न की जा रही है। प्राक्कलन में प्रयुक्त दर अद्यतन है।

प्राक्कलन की यथाशीघ्र अनुमोदन अपेक्षित है ताकि अग्रेतर कार्रवाई की जा सके।

कनीय अभियंता
ग्रामीण कार्य विभाग

कार्य प्रशाखा,

सहायक अभियंता
ग्रामीण कार्य विभाग

कार्य अवर प्रमण्डल, ... Pothwa

कार्यपालक अभियंता
ग्रामीण कार्य विभाग

कार्य प्रमण्डल किशनगंज-2

Inspection Report for Flood Damage Work

1. Name of PIUs

: Vishnuganj-2

2. Name Of Block / Road

: Pothri /
Panasi To Ratna Maheshwari vi9
Rasigolangi Panasi

A. For Road

1. Damage Location / Chainage

: 232.00M

2. Damage Length

: 232.00M

3. Nature Of Damage

: Cut and erosion of Bank Crest

4. Details Of Restoration

: Earthwork, sand filling, Brickbat laying
Le bag with L-sand

i) Material Being Used In Restoration

: Soil, sand, Brickbat Le bag, L-sand

ii) Equipment / Tools Being Used In Restoration Works

: Tractor, Trolley, JCB

iii) Procedure Taken Up In Restoration Works

: Manually

iv) Restored Length

: 232M

B. For Bridge

1. Damage Location / Chainage

:

2. Damage Length

:

3. Nature Of Damage

:

4. Details Of Restoration

:

i) Material Being Used In Restoration

:

ii) Equipment / Tools Being Used in Restoration Works

:

iii) Procedure Taken Up In Restoration Works

::

iv) Restored Length

:

Work has been Completed Satisfactory

Signature of JE / AE / EE

Signature

(Name Of Inspector)

ABSTRACT OF COST

Name of Work :-		PANASI TO RATUA MEHESHMARI VIA RASIYADANGI PARLABARI
Block :-		Pothia
Sl. No.	Particulars	Amount (In Rs.)
A	Cost of Restoration work :-	Rs 2299166.00
B	Add 12 % GST	Rs 275900.00
C	Add 1 % L. Cess	Rs 22992.00
D	Add S.Fee @ 10 % of Material Cost	Rs 57836.00
	Total Cost with GST, LC & S.Fee	Rs 2655894.00

[Signature]
12/11/21
J.E
R.W.D
Pothia

[Signature]
12/11/21
A.E
R.W.D
Pothia

[Signature]
16/11/21
E.E
R.W.D
Kishanganj - 2

Technically Sanction for Rs- 26,55,894.00 (Rupees twenty six Lacs fifty five thousand Eight hundred ninety four) only.

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04/04/22
E.O.

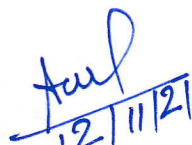
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04/04/22
अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, किशनगंज

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD :-	PANASI TO RATUA MEHESHMARI VIA RASIYADANGI PARLABARI
DISTRICT :	KISHANGANJ
DIVISION :	KISHANGANJ-2
BLOCK :-	POTHIA
LENGTH OF ROAD (IN KM)	11.830

Sl. No.	ITEM OF WORK	Amount (In LAKHS.)
1	LOCAL SAND	4.378
2	HUME PIPE	0.651
3	BRICK BATS	7.363
4	SAND BAGS	7.806
5	BAMBOO WORK	2.793
6	STEEL DRUM SHEET	0.000
	TOTAL COST OF PROJECT	22.992
	Add 12 % GST	2.759
	Add 1 % L. Cess	0.230
	Add Seigniorage Fee @ 10 % of Material Cost	0.578
	Total Cost of Restoration Work	26.559


J.E.
R.W.D
POTHIA


A.E.
R.W.D
POTHIA


E.E.
R.W.D
Kishanganj - 2

Detailed Estimate

Name of Work :- PANASI TO RATUA MEHESHMARI VIA RASIYADANGI PARLABARI

SL No.	SDB SL No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	WRD	5.7.7	Providing bamboo piles including labour for cutting of 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc complete job as per specification and direction of F/I									
				1	105	4.00	-	-	420.00			
				1	105	4.00	-	-	420.00			
				1	105	4.00	-	-	420.00			
				1	105	4.00	-	-	420.00			
				1	7	4.00	-	-	28.00			
				1	7	4.00	-	-	28.00			
				1	70	4.00	-	-	280.00			
				1	70	4.00	-	-	280.00			
				1	18	4.00	-	-	72.00			
				1	18	4.00	-	-	72.00			
				1	18	4.00	-	-	72.00			
				1	18	4.00	-	-	72.00			
				1	18	4.00	-	-	72.00			
				1	18	4.00	-	-	72.00			
				1	70	4.00	-	-	280.00			
				1	70	5.00	-	-	350.00			
				1	105	6.00	-	-	630.00			
				1	105	7.00	-	-	735.00			
				Total:-					4723.00	Mtr.	52.24	246730.00
2	WRD	5.7.9	Supplying, fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails, all material and labour complete job as per specification and direction of F/I									
				1	4	30.00	-	-	120.00			
				1	4	30.00	-	-	120.00			
				1	4	30.00	-	-	120.00			
				1	4	30.00	-	-	120.00			
				1	4	2.00	-	-	8.00			
				1	4	2.00	-	-	8.00			
				1	4	20.00	-	-	80.00			
				1	4	20.00	-	-	80.00			
				1	4	5.00	-	-	20.00			
				1	4	5.00	-	-	20.00			
				1	4	5.00	-	-	20.00			
				1	4	5.00	-	-	20.00			
				1	4	5.00	-	-	20.00			
				1	4	5.00	-	-	20.00			
				1	4	20.00	-	-	80.00			
				1	4	20.00	-	-	80.00			
				1	4	30.00	-	-	120.00			
				1	4	30.00	-	-	120.00			
				Total:-					1176.00	Mtr.	27.71	32587.00
3	314	303.1	Construction of subgrade and earthen shoulders									
			Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause									
			Under bed level	1	1	30.00	8.00	1.00	240.00			
				1	1	15.00	8.00	1.00	120.00			
				1	1	30.00	7.50	2.00	450.00			
				1	1	30.00	7.50	2.00	450.00			
				1	1	2.00	7.50	2.00	30.00			
				1	1	30.00	7.50	1.50	337.50			
				1	1	30.00	7.50	1.45	326.25			
				Total:-					1953.75	Cum	174.93	341769.00

SL No.	SDB SL No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
4	9.2 (i)	1100 & 800	Sand filling or Type B (First class) bedding Filling and spreading local sand over brick bats as per drawing and technical specification Clause 305.3.9									
				1	1	30.00	5.00	0.35	52.50			
				1	1	30.00	4.95	0.40	59.40			
				1	1	2.00	4.55	0.35	3.19			
				1	1	20.00	1.25	0.30	7.50			
				1	1	20.00	1.30	0.35	9.10			
				1	1	5.00	0.85	0.40	1.70			
				1	1	5.00	0.95	0.35	1.66			
				1	1	5.00	0.75	0.25	0.94			
				1	1	5.00	0.80	0.30	1.20			
				1	1	5.00	0.95	0.25	1.19			
				1	1	5.00	0.75	0.35	1.31			
				1	1	20.00	1.65	0.30	9.90			
				1	1	20.00	1.55	0.40	12.40			
				1	1	30.00	1.40	0.30	12.60			
				1	1	30.00	1.35	0.30	12.15			
				Total:-					186.74	Cum	514.43	96065.00
5	WRD	5.7.40	Brick bats Providing laying and spreading brick bats in Road ditches all complete as per approved design, specifications and direction of E/I									
				1	1	30.00	4.00	0.65	78.00			
				1	1	30.00	4.10	0.75	92.25			
				1	1	2.00	4.05	0.50	4.05			
				1	1	20.00	1.20	0.65	15.60			
				1	1	20.00	1.20	0.55	13.20			
				1	1	5.00	1.10	0.85	4.68			
				1	1	5.00	1.25	0.70	4.38			
				1	1	5.00	1.30	0.75	4.88			
				1	1	5.00	1.10	0.50	2.75			
				1	1	5.00	1.25	0.90	5.63			
				1	1	5.00	0.75	0.75	2.81			
				1	1	20.00	1.55	0.65	20.15			
				1	1	20.00	1.65	0.75	24.75			
				1	1	30.00	1.45	0.75	32.63			
				1	1	30.00	1.50	0.75	33.75			
				Total:-					339.51	Cum	2168.72	736302.00
6			RCC Pipe NP3 as per design in Single Row (1000mm Dia.) Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.									
				2	3	2.50	-	-	15.00			
				0	0	0.00	-	-	0.00			
				Total:-					15.00	Mtr.	4343.11	65147.00

SL No.	SDB SL No.	MORD Ref.No	Description	No.	No.	Length (M)	Width (M)	Height (M)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
7		5.7.53	Providing and filling empty cement bags									
			Supply of new bag with labour for filling new EC bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two line by approved nylon thread with stitching machine & generator, stacking the bags and placing with a lead of 150m including supply of nylon threads etc all complete as per approved design, specification and direction of E/I.									
				1	2	30.00	1.85	1.85	205.35			
				1	2	30.00	1.90	1.95	222.30			
				1	2	2.00	1.75	1.75	12.25			
				1	1	20.00	1.60	1.20	38.40			
				1	1	20.00	1.25	1.10	27.50			
				1	1	5.00	1.30	1.25	8.13			
				1	1	5.00	1.45	1.20	8.70			
				1	1	5.00	1.25	1.30	8.13			
				1	1	5.00	1.30	1.20	7.80			
				1	1	5.00	1.25	1.15	7.19			
				1	1	5.00	1.20	1.20	7.20			
				1	1	20.00	1.30	1.10	28.60			
				1	1	20.00	1.25	1.25	31.25			
				1	1	30.00	1.35	1.00	40.50			
				1	1	30.00	1.35	1.10	44.55			
				Total:-					697.85	Cum		
				@ 0.034 Cum each bag					20525	No.	38.03	780566.00
				TOTAL								2299166.00

SEIGNORAGE FEE 10% FOR ROYALTY MATERIAL

LOCAL SAND			186.74	1.20	=	224.09	Cum	141.85	31787.00
BRICK BAT			339.51	1.20	=	407.41	Cum	1,050.00	427783.00
CEB			0.00	1.28	=	0.00	Cum	285.35	0.00
LOCAL SAND			697.85	1.20	=	837.42	Cum	141.85	118788.00
TOTAL MATERIAL COST:-									578358.00
SEIGNORAGE FEE 10%									57836.00

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J.E
R.W.D
Pothia

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A.E
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Pothia

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E.E
R.W.D
Kishanganj - 2