

SUMMARY OF COST ESTIMATE FOR THE PROJECT


NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION
OF ROAD FROM MADHOPUR ANSARI TOLA SE
DAKSHIN SHW AMAR CHOWK MAHADALIT


DIVISION :- TRIVENIGANJ

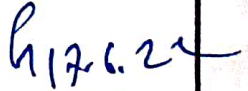
BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.150 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	1,961,370.7431
2	BRICK BATS	313,629.71
3	EC BAG	238,918.01
4	GEO BAG	-
5	GRANULAR SUB BASE	127,011.38
6	HUME PIPE	90,944.81
	Total Cost =	2,731,874.64
	Add:-Labour Cess @1% amt. =	27,318.75
	Add:GST@12% on amt. =	327,824.96
	Add:S.F.@ 10% on Material =	63,205.03
TOTAL RESTORATION COST OF THE PROJECT IN LACS		3,150,223

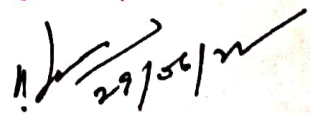

15/6/22
Junior Engineer
RWD (W) Division, Triveniganj


15/6/22
Assistant Engineer
RWD (W) Division, Triveniganj


15/6/22
Executive Engineer
RWD (W)
Division, Triveniganj

Vide Letter मुं 3/11/20-4 (मुं) विविध (कार्य) 23-291/2019-4849
dt - 07/12/2021.

Technically sanctioned for Rs 3150223 only
(that is thirty one lakh fifty thousand two hundred twenty
three rupees only)


29/5/22
Superintending Engineer
Rural Works Department
Works Circle Madhe

जॉच प्रतिवेदन

ग्रा. प्रमुख, ग्रामीण कार्य विभाग, बिहार, पटना के पत्रांक-1890 दिनांक-22.04.2022 द्वारा अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मधेपुरा की जा में गठित चार सदस्यीय समिति द्वारा कार्य प्रमंडल, त्रिवेणीगंज के अंतर्गत वर्ष 2021-22 में बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों के मोटरबुल कार्य के कृत कार्य नि मात्रा का स्थलीय जॉच संबंधित सहायक अभियंता एवं कनीय अभियंता के साथ मापी लिया गया जो निम्न है :-

Location of Road :- MADHOPUR ANASARI TOLA SE DAKSHIN SHW AMAR CHOWK MAHADLIT
 Division Name :- Rural Works Department, Works Division, Triveniganj
 Block :- Chhatapur

No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m3)
1	LOCAL SAND.					
	CUM	2	25.0	(8+7.5)/2	(4+3.5)/2	1453.13
		1	75.0	(8+7.5)/2	4	2062.5
		1	25.0	2.5	0.9	56.25
					TOTAL=	3571.88
2	EC BAGS					
	NO	2	75	1	1.5	225
				225/0.034	TOTAL QTY=	6618
3	Suooly and sprading GSB Grading 2 as per directio E/I					
	CUM	3	25	3.75	0.15	42
4	BRICK BATS					
	CUM	5	25.0	3.75	0.3	140.625
		1	10.0	(8+6)/2	0.3	21
		1	3.7	4	0.1	1.48
						163.11
5	HP 1000MM DIA					
	M	3	3.00	2.50		22.50
						0.00
					Total Qty. =	22.50

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग
 कार्य प्रमंडल, सुपौल।

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग
 कार्य प्रमंडल, बीरपुर।

कार्यपालक अभियंता
 ग्रामीण कार्य विभाग
 कार्य प्रमंडल, त्रिवेणीगंज

कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज समिति के जॉच प्रतिवेदन के अनुसार POST FACTO M.B. एवं POST FACTO स्कूलन तैयार कराकर सक्षम प्राधिकार को अग्रतर कार्रवाई हेतु शीघ्र भेजें।

अधीक्षण अभियंता सह अध्यक्ष जॉच सां
 ग्रामीण कार्य विभाग
 कार्य अंचल, मधेपुरा

Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM MADHOPUR ANSARI TOLA SE DAKSHIN
SHW AMAR CHOWK MAHADALIT

DISTRICT :- SUPAUL
BLOCK :- CHHATAPUR

Head :- F.D.R.

Year :- 2021-22

Flood Affected Length of Road :- 0.150 Km

TOTAL COST OF PAVEMENT :- ₹ 3,150,223.38

Sr. No.	Description	Page No.
1	Prativedan	
2	MIS Report	
3	Executive Engineer's Report	
4	Summary of Road	
5	Estimate of Road	
6	Carriage of Road	
7	Basic Rate of Labour, Material & Machinery	
8	Analysis of Rate	
9	Photographs of Pre & Post Cuttings /Ditches	

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Executive Engineer
Rural Works Department
Work Division, Trivenigani

Details of Measurement									
कार्य का ब्यौरा Detail of Work		संख्या No.	पैमाईस					मात्रा Quantity	
			लम्बाई in m.	चौड़ाई In m.		ऊँचाई In m.			
NAME OF ROAD :-		DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MADHOPUR ANSARI TOLA SE DAKSHIN SIW AMAR CHOWK MAHADALIT							
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification								
CH:-in		2	25	(8.0+7.5)/2	7.750	(4.0+3.5)/2	3.75	1453.1	
CH:-in		1	75	(8.0+7.5)/2	7.750		4.00	2325.0	
CH:-in		1	25		2.500		0.90	56.3	
								3571.9	
								3571.9	
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		5	25		3.750		0.300	140.63	
CH:-in		1	10	(8+6)/2	7.000		0.300	21.00	
CH:-in		1	3.7		4.000		0.100	1.48	
								163.11	
	Less For Pipe	0		22/7x(0.6)2x2.5		(-)		0.00	
							Total (in Cum)	163.11	
Item No. 3	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								
CH:-in		2	75		1		1.5	225.00	
							Total (in cum)	225.00	
	(0.034m3=1 no. of EC Bags)							6617.65	
							Total (in nos.)	6618.00	
Item No. 4	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)								
CH:-in		2	0		3.00		1.5	0.00	
								0.00	
	(0.076m3=1 no. of Geo Bags)							0.00	
							Total (in nos.)	0.00	
Item No. 5	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. (Gr-II Material)								
		3	25		3.75		0.150	42.2	
							Total (Cum)	42.2	
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design In Single Row(1000mm Dia).								
	Ch.0.00km	3	3		2.5			22.50	
							Total (in m)	22.50	

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17.6.22
Executive Engineer
Rural Works Department
Work Division, Trivenigani

Estimate of Flood affected Road

NAME OF ROAD :-

DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM
MADHOPUR ANSARI TOLA SE DAKSHIN SHW AMAR CHOWK
MAHADALIT

BLOCK :-

CHHATAPUR

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	3571.88	Cum	549.11	1961370.74
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.	163.11	Cum	1922.87	313629.71
3	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	6618.00	nos.	36.10	238918.01
4		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)	0.00	Each	172.18	0.00
5	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.	42.188	Cum	3010.64	127011.38
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	22.50	m	4041.99	90944.81
		Total			Rs.	2731874.64

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Executive Engineer
Rural Works Department
Work Division, Triveniganj

Calculation of Seigniorage Fees

DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM MADHOPUR ANSARI TOLA
NAME OF ROAD :- SE DAKSHIN SHW AMAR CHOWK MAHADALIT
BLOCK :- CHHATAPUR

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	12.3	Sand filling in Foundation Trenches as per Drawing & Technical Specification				
		Sand	3571.88	Cum	116.85	417374.18
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	163.11	Cum	1032.00	168324.36
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	225.00	Cum	116.85	26291.25
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	116.85	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 II 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
			42.19	Cum	475.51	20060.56
		GSB Gr-II				20060.56
					TOTAL	632050.35
		Seigniorage Fees @10% of Basic Amount			Say	63205.03

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15/6/22
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G. A. C. R.
EE

**Executive Engineer
Rural Works Department
Work Division, Triveniganj**

Bill of Quantity

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY
RESTORATION OF ROAD FROM MADHOPUR
ANSARI TOLA SE DAKSHIN SHW AMAR CHOWK
MAHADALIT

BLOCK :- CHHATAPUR

DISTRICT :- SUPAUL

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1/1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	3571.88	Cum	549.11	1961370.74
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.	163.11	Cum	1922.87	313629.71
3/3	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	6618.00	nos.	36.10	238918.01
4/4	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)	0.00	Each	172.18	0.00
5/5	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.	42.19	Cum	3010.64	127011.38
6/6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row.	22.50	m	4041.99	90944.81
					Say	2731874.64
		Seigniorage Fees				63205.03
		Add @12% GST				327824.96
		Add @1% Lebour Cess				27318.75
						3150223.38
					Say	3150223.00

EE

Executive Engineer
Rural Works Department
Work Division, Triveniganj