



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
SUPAUL
CHHATAPUR
TRIVENIGANJ

**DETAILED ESTIMAE FOR TEMPRORY RESTORATION OF
ROAD FROM HO PRAKASH SINGH TO SHA TOLA**

Flood affected Length of Road	=	0.420 Km
TOTAL COST OF PAVEMENT	Rs	763,229
TOTAL PROJECT COST	Rs	763,229

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

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

Index of Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF
ROAD FROM HO PRAKASH SINGH TO SHA TOLA

DISTRICT :- SUPAUL

BLOCK :- CHHATAPUR

Head :- F.D.R.

Year :- 2021-22

Flood Affected Length of Road :- 0.420 Km

TOTAL COST OF PAVEMENT :- ₹ 7,63,228.66

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Executive Engineer
Rural Works Department
Work Division, Trivenigani

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :- DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM HO PRAKASH SINGH TO SHA TOLA

DIVISION :- TRIVENIGANJ

BLOCK :- CHHATAPUR

Flood Affected Length of Road :- 0.420 Km

Sr. No.	Description	Amount (In Rs.)
1	SAND BAG	-
2	BRICK BATS	571,092
3	EC BAG	76,462
4	GEO BAG	-
5	GRANULAR SUB BASE	-
6	HUME PIPE	-
	Total Cost =	647,555
	Add:-Labour Cess @1% amt. =	6,476
	Add:GST@12% on amt. =	77,707
	Add:S.F.@ 10% on Material =	31,492
	TOTAL RESTORATION COST OF THE PROJECT IN LACS	763,229

Asst
10/8/22

Junior Engineer

RWD (W) Division, Triveniganj

Chhatapur

Assistant Engineer

RWD (W) Division, Triveniganj

7/7/22

Executive Engineer

RWD (W) Division, Triveniganj

Vide letter no. 4 (Sub) विनिमय (कॉपी) 23-291/2019-4849
dt. 07/12/2021

Technically sanctioned for Rs. 7,63,229.00/-
that is Seven Lakh Eighty Three Thousand and
Two Hundred and Twenty Nine Rupees only

29/6/22

Superintending Engineer
Rural Works Department
Works Circle Madhe

Details of Measurement						
कार्य का विवरण Detail of Work		संख्या No.	माप Measurement			मात्रा Quantity
			सम्बाई in m.	चौड़ाई in m.	लम्बाई in m.	
NAME OF ROAD :-		DETAILED ESTIMATE FOR TEMPORARY RESTORATION OF ROAD FROM HO PRAKASH SINGH TO SHA TOLA				
Item No. 1	Sand filling in Foundation Trenches as per Drawing & Technical Specification					
CH-in		1	0	4.200	0.40	0.000
			0			0.000
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		4	30.0	1.000	0.600	72.000
CH-in		5	30.0	1.500	0.60	135.000
CH-in		5	30.0	1.000	0.60	90.000
						297.000
	Less For Pipe	0	22/7x(0.6)x2.5	(-)		0.000
					Total (in Cum)	297.000
Item No. 3	Labour filling empty cement bags with local 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	30	2	0.6	72.00
					Total (in cum)	72.00
	(0.034m ³ =1 no. of EC Bags)					2117.65
					Total (in nos.)	2118.00
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 filed 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)					
CH-in		2	0	3.00	1.5	0.00
						0.00
	(0.076m ³ =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)					
		1	0	3.2	0.160	0.00
					Total (Cum)	0.00
Item No. 6	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row (1000mm Dia).					
	Ch 0.00km	1	0	2.5		0.00
					Total (in m)	0.00

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Estimate of Flood affected Road

NAME OF ROAD :- DETAILED ESTIMAE FOR TEMPORARY RESTORATION OF ROAD FROM BLOCK :- CHHATAPUR
HO PRAKASH SINGH TO SHA TOLA

S.No	SOR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
1	301.5	Sand filling in Foundation Trenches as per Drawing & Technical Specification	0.00	Cum	549.11	0.00
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 achelve required density with all complete as per the direction of engineer in charge.	297.00	Cum	1922.87	571092.39
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	2118.00	nos.	36.10	76462.43
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 0.07m 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 carnage with help of trolley within 150m lead all complete as per specifications and direction of E/I (including Carnage 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.	0.00	Cum	3010.64	0.00
6	9.3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Roww(1000mm Dia).	0.00	m	4041.99	0.00
		Total			Rs.	647555

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