



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

NAME OF WORK

**:- RESTORATION OF FLOOD DAMAGE PORTION OF
Dhawani to Karma via Titho Near School**

Block

:- Karakat

Estimated Cost. :- 0.84468

[Signature]
02/11/21

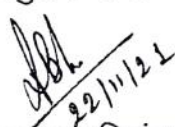
Executive Engineer
RWD Works Division, Sasaram-2

जाँच प्रतिवेदन

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, सासाराम के कार्यालय आदेश संख्या-815 दिनांक 16.11.2021 के आलोक में कार्य प्रमंडल, सासाराम-2 के अन्तर्गत बाढ़/अतिवृष्टि से क्षतिग्रस्त निम्नलिखित पथों की जाँच की गई।

क्र० सं०	प्रखंड	पथ का नाम	पथ के क्षतिग्रस्त भाग की लम्बाई (मीटर) में	राशि (लाख में)	अभ्युक्ति
1	2	3	4	5	6
1	Karakat	Dhawani to Karma via Titho	6	0.84468	
2	Karakat	Karup to Bhopatpur via Nawada Itarhiya Road	11	2.88681	
3	Nasriganj	Jalalpur Sawari Road to Khiriyar	20	1.87600	
4	Nokha	T05 to Baradih	32	2.89027	

उपरोक्त पथों के Temporary Restoration का प्राक्कलन की जाँच असंबद्ध कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, बिक्रमगंज के द्वारा किया गया। Temporary Restoration के प्राक्कलन को कार्य के अनुरूप पाया गया।


कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रमंडल
सासाराम-2


कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रमंडल
बिक्रमगंज

तकनीकी प्रतिवेदन

पथ का नाम

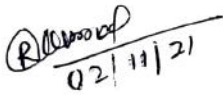
:-धवनी से करमा भाया तिथों स्कूल के नजदीक पथ में बाढ़ से क्षतिग्रस्त भाग में Restoration कार्य

प्राक्कलित राशि

:- 0.84468 लाख

यह प्राक्कलन जिसकी प्राक्कलित राशि 0.84468 लाख रुपये का है जो :-धवनी से करमा भाया तिथों स्कूल पथ में यातायात चालु रखने हेतु Restoration कार्य तैयार किया गया है। अतिवृष्टि के कारण पथ में 06 मीटर की लम्बाई में कटाव हो गया था। जिसमें बास बल्ली लगाकर खाली सिमेन्ट बोरी में बालु भरकर नीचे भाग में मिट्टी एवं ईट का टुकड़ा डालकर कार्य कराया गया है जिससे यातायात चालु हो गया है।

इस कार्य का प्राक्कलन तैयारकर घटनोत्तर स्वीकृति हेतु समर्पित किया जा रहा है। प्राक्कलन के मदो का दर वर्तमान अनुसूची दर पर तैयार किया गया है।


02/11/21

कनीय अभियंता
ग्रामीण कार्य विभाग.
कार्य प्रमंडल, सासाराम-2

सहायक अभियंता
ग्रामीण कार्य विभाग.
कार्य प्रमंडल, सासाराम-2


02/11/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग.
कार्यप्रमंडल, सासाराम-2

**ABSTRACT OF COST FOR RESTORATION OF FLOOD DAMAGE PORTION OF
Dhawani to Karma via Titho Near School**

SL. No	Items of Works	Quantity	Unit	Rate	Amount
1	Labour for cutting 62mm to 75mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.	43.2	m	30.3	1308.96
2	labour for fitting and fixing 62mm to 75 mm dia bamboo runners in portion at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost G.I wire of nails complete as per specification and direction of E/I.	64	m	5.4	345.6
3	Supply of bamboo 75mm dia 6m to 7m long	20	Nos	141.5	2830
4	labour for filling empty cement bags with local sand stitching the bags and placing including supply of sutli etc. all complete and direction of E/I.	518	% Nos	1661.7	8607.606
5	Supply of empty cement bages	518	Nos	2.92	1512.56
6	Earth work in bed clearance or desilting of canal having full supply discharge between of 28 cumecs (1000 cusecs) and 8.5 cumecs (300 cusecs) including rough dressing with all lead and lift all complete as per specification of E/I.	78	m ³	290.6	22666.80
7	Providing and laying spreading of Brick Bats etc. do all complete job.	14.4	m ³	2602.7	37478.592
8	GST @12%				8970.00
9	LWC @1%				748.00
					84468.118

R. S. S.
02/11/21

Junior Engineer
Nokha

Assistant Engineer
Nokha

R. S. S.
02/11/21
Executive Engineer
RWD Works Division, Sasaram-2

checked by
22/11/21
FF

RWD, Bilemangari

Technically approved by
Rs 84468.118
for execution
from RWD, Sasaram
WSP.
and Bilemangari

DETAILED ESTIMATE FOR RESTORATION OF FLOOD DAMAGE PORTION OF
Dhawani to Karma via Titho Near School

SL. No Items of Works

- 1 Labour for cutting 62mm to 75mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.

$$8/0.45+1=18.00 \text{ Nos}$$

$$18 \text{ nos} \times 2 \text{ row} \times 1.20 = 43.20 \text{ m}$$

- 2 labour for fitting and fixing 62mm to 75 mm dia bamboo runners in portion at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost G.I wire of nails complete as per specification and direction of E/I.

$$2 \times 4 \text{ rows} \times 8.00 = 64 \text{ m}$$

- 3 Supply of bamboo 75mm dia 6m to 7m long

$$\text{for piles } 2 \times 18 \text{ nos} \times 2.40 = 86.00 \text{ m}$$

$$\text{for runners } 64/2 = 32.00$$

$$118.00 \text{ m}$$

$$\text{no of bamboo } 118.00/6 = 20.00 \text{ nos}$$

- 4 labour for filling empty cement bags with local sand stitching the bags and placing including supply of sutli etc. all complete and direction of E/I.

$$2 \times \frac{1}{2} (2+6) \times 2 \times 11/0.34 = 518$$

- 5 Supply of empty cement bages

518

- 6 Providing and laying spreading of Brick Bats etc. do all complete job.

$$\text{in bed } 8 \times 4 \times 0.45 = 14.40 \text{ m}^3$$

- 7 Earth work in bed clearance or filling in Road embankment all lead and lift all complete as per specification of E/I.

$$1/2 \times (4+2.5) \times 3 \times 8 = 78.00 \text{ m}^3$$

P. C. P.
02/11/21

Junior Engineer
Karakat

Assistant Engineer
Karakat

ABL.
02/11/21

Executive Engineer
RWD Works Division, Sasaram-2

5.7.7	Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E/I.			
	Unit :- Per M			
	Taking Out put = 30.50M			
	(Assuming 20 nos. pile sunk 1.525 mtr deep)			
	Total depth sunk 30.50 meter			
	Labour			
	Carpenter Gr II			
	0.25	nos	345.00	86.25
	2.5	nos	287.00	717.50
	Unskilled mazdoor for piling			
				803.75
	Add Overhead charge & C.P.@15%			
				120.56
				924.31
	Rate per M			
			30.31	30.31

62/11/21
 JE

5.7.9		Unit :- Per M		Taking Out put = 30.50M	
Labour for fitting and fixing 62mm 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 complete job as per specification and direction of E/I.					
Materials					
Cost of 150 mm long nails					
Labour					
Carpenter Gr II					
Unskilled mazdoor					
Total					
Add Overhead charge & C.P@15%					
Rate per M					

@ 2000
 02/11/24
 25

221	1130	SECURU Glass Nail WOOD III picelins (10 IN 200.00 / 10 200.00)	1 00.00					
222		Bamboo						
		i. 75 mm dia 6m long to 8m long	Each	141.50	-		141.50	W/R
		ii. 100 mm dia 6m long to 8m long	Each	151.00	-		151.00	W/R
		iii. 50 mm dia Hill Bamboo	Each	94.35	-		94.35	W/R
223		Sol Ballish Dnet						

Proof
 02/11/21
 >E

5.7.40.1	Labour for filling empty cement bags with local sand, stitching the bags and placing including supply of sutli etc. all complete as per approved design, specifications and direction of E/I	Unit :- Per % nos					
		Taking Out put = 100 nos					
	(a) For filling & stitching & stacking						
	Unskilled mazdoor for filling sand into bags and sewing	2	nos	287.00	574.00		
	Sutali	0.5	Kg	19.75	9.88	(M	
	Add Overhead charge & C.P@15%				583.88		
					87.58		
	Rate per % nos	Say Rs			671.46		
	(b) Labour rate for carrying & placing filled E.C.Bags				Per % nos		
	Unskilled mazdoor for carrying filled bags and placing to work site	3	nos	287.00	861.00		
	Add Overhead charge & C.P@15%				129.15		
	Rate per % nos				990.15		
	Total (a+b)	Say Rs			Per % nos		
				1661.70	Per % nos		
5.7.40.2	Labour for filling empty cement bags with local sand, stitching the						

02/11/21
 5E

.....

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 303.1.

			SERIALS DISCUSSION
tubs	ISD9-201		

arrangement on prepared surface, mixing by hand in place finished with trowel as per Technical Specification Clause 401.

(1) For Grading I Material

UHR = cum
Taking output = 300 cum

LABOUR
Mate
Maiden (11-12)

Mazdoor (skilled)
Mazdoor (unskilled)

Tractor mounted gra

three wheel 80-100 KN sta

Water tanker 6 kl capacity
Material

53 mm to 26.5 mm @ 35%

20.5 mm to 4.75 mm @ 45%
2.36 mm below @ 20% C

Water
Overheads @ 6 % on (a+b+c)

12388.26					
----------	--	--	--	--	--

List of Basic rates of construction material approved by state level schedule rate committee for the year 2020-21 for the preparation of schedule of rates only. Material should conform to relevant BIS/ IRC/ MORTH/ AS Specification. The rates are exclusive of GST, CP & overhead charge.

Sl. No.	NAME OF MATERIALS	UNIT	4	5	6	7	8
	(a), 100 mm long	Each	input	input	input	input	input
	(b), 222mm long	Each	input	input	input	input	input
	Jute	Each	input	input	input	input	input
	M.S. Bands	Per Kg	20.44	20.44	20.44	20.44	20.44
	Rubber seal	Each	input	input	input	input	input
	Sheet Pile	metre	input	input	input	input	input
	Branches of dia 150 mm to 200 mm and 3 M to 4.5 M long with	Per M.T	input	input	input	input	input
	Fuel (wood) (Rs 500.00 per Quintal)	nos	input	input	input	input	input
	Cardium compound	kg	5.00	5.00	5.00	5.00	5.00
	Breasting hose (Fuse Wire)	each	15.00	15.00	15.00	15.00	15.00
	M.S. Bolt 20mm dia, 25 Cm long	kg	input	input	input	input	input
	Special primer (C.W)	Each	32.88	32.88	32.88	32.88	32.88
	Special primer (U.G)	Libre	140.00	140.00	140.00	140.00	140.00
	Metall Primer (U.G)	Libre	90.00	90.00	90.00	90.00	90.00
	Unseeded oil (double boiled)	Libre	200.00	200.00	200.00	200.00	200.00
	Electric Charge	K.W.H	input	input	input	input	input
	Slotted pins and wedges 10 mm dia and 60 mm long	nos	input	input	input	input	input
	Tube and nuts 26 no. 25 mm dia and above	nos	input	input	input	input	input
	M.S Electrodes	nos	input	input	input	input	input
	Kerosene Oil	litre	50.00	50.00	50.00	50.00	50.00
	Gum metal in gate	kg	input	input	input	input	input
	Old empty cement bag (synthetic) (Annexure-I)	Per 100 nos	292.00	292.00	292.00	292.00	292.00
	Nylon Crate of size 1mx1mx1m (As per Annex-II)	Each	39.85	39.85	39.85	39.85	39.85
	Geo bag (non woven) size 1mx0.70m (As per Annex-III)	nos	81.00	81.00	81.00	81.00	81.00
	Mega Geo Bag of size 2mx1.5m (As per Annex-IV)	nos	620.96	620.96	620.96	620.96	620.96
	P.P. Rope (Galon of size 1.80mx1.80mx0.5m (As per Annex-V)	nos.	1780.00	1780.00	1780.00	1780.00	1780.00
	P.P. Rope (Galon of size 1.80mx1.20mx0.5m (As per Annex-VI)	Nos.	1385.00	1385.00	1385.00	1385.00	1385.00
	Gravel 5 mm to 10mm	Cum	700.00	700.00	150	850.00	850.00
	Shallter Board for use as per expansion joint						
	(0) 25mm thick	Per Sqm	input	input	input	input	input
	(1) 12mm thick	Per Sqm	input	input	input	input	input
	(2) 18mm thick	Per Sqm	input	input	input	input	input
	Shallter Primer	Per litre	input	input	input	input	input
	Bitumen grade PAAB-40	M.T	32200.00	32200.00	-	32200.00	32200.00
	BCD						

Handwritten notes and signatures at the top of the page, including a signature and the number 43.