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Inspection Report For Flood Damage Work

Date:

- 1. Name of Plus: R. W. D. Works division, Go palgani-2
- 2. Name of Block/Road: Barauli / Salong to Baterdel.

A For Road

- 1. Damage Location/ Chainage: 468, 622, 7/6, 839, 940, 3290
- 2. Damage Length: 282.60 M
- 3. Nature of Damage: Flood Damage
- 4. Details of Restoration Works:
 - i. Material being used in Restoration Works: Soil & Brick Bats
 - ii. Equipments / Tools being used in Restoration Works: Practor, JCB, Labour etc.
 - iii. Procedure taken up in Restoration Works: As per S.o.P
 - iv. Restored Length: 282.60M

B For Bridge

- 1. Damage Location / Chainage: N.A.
- 2. Damage Length: N.A.
- 3. Nature of Damage : N.A
- 4. Details of Restoration Works: N.A
 - i. Material being used in Restoration Works: 14. A
 - ii. Equipments / Tools being used in Restoration Works : かカ
 - iii. Procedure taken up in Restoration Works:
 - iv. Restored Length:

down dings.

AE

(0) 11/20 EE

Signature

Nantive Transposed

R.W.D. W.D.



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

FLOOD DAMAGED REPAIR (FDR) **DETAILED ESTIMATE**

DISTRICT :- GOPALGANI BLOCK :- BARAULI

MOTORABLE WORK OF SALONA TO BATERDEH

ESTIMATED COST Rs.- 3115300.00

SUBMITTED BY: EXECUTIVE ENGINEER, RWD WORKS DIVISION, GOPALGANJ-2

REPORT

NAME OF WORK

:- MOTORABLE WORK OF SALONA TO BATERDEH

ESTIMATED COST (Rs.)

:- 3115300.00

DISTRICT :- GOPALGANJ

BLOCK

:- BARAULI

DIVISION

:- GOPALGANJ-2

The Present estimate has been framed under the supervision of Assistant Engineer in accordance with the order of Executive Engineer, RWD, Works Division Gopalganj-2, letter no.- 1574 dated 18-08-2020. The part of above mentioned road has been damaged due to heavy rain/flood and due to this damaged the transportation has been obstructed. The immediate motorable work is necessary in public interest. Villagers will be benefitted by the completion of this motorable work.

In the estimate there has been a provision of repairing the damaged part of the road & making it motorable by filling Earth and Brickbats.

In this estimate the rate of raw materials and labour wages has been prepared after the analysis of new rate. This Estimate is as per the specification. The estimate is devoted to technical and administrative acceptance.

Junior Engineer

Assistant Engineer

Executive Engineer,

GENERAL ABSTRACT OF COST

MOTORABLE WORK OF SALONA TO BATERDEH

DISTRICT - GOPALGANJ BLOCK - BARAULI

DIVISION - GOPALGANJ-2

SL. No.	Item of Work		Amount (Rs.)
1	EARTH WORK		Rs 148930-00
2	BRICK BATS	*	Rs 296637 0.00
3	SAND BAGS	1	Rs 0.00
4	HUME PIPE	(4	Rs 0.00
	COST OF RESTORATION	#	Rs 3115300.00
			D =114002

11. Contyp- 216485220 11. Contyp- 2164920 1219650220 1219650220

Junior Engineer

Asstt. Engineer

Executive Engineer

Technically Approved for Po 31.965 (see (Respect Thirty one lee Ninety six Thousand & Prive Hundred) only

Superintending Engineer RWD Works Circle, Siwan

DETAILED ESTIMATE

me of Work:- MOTORABLE WORK OF SALONA TO BATERDEH

FDR

DISTRICT - GOPALGANJ

(-BARAULI

DIVISION - GOPALGANJ-2

Name of Item	rmit	N _o	Length	Width	Height	oty.	Rate	Amount
EARTH WORK - Construction of embankment with approved material obtained from borrow pits with a ift upto 1.5 m, transporting to site, spreading, grading o required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead apto 1000 m as per Technical Specification Clause 301.5			As F Apper	- 50,000		1009.9		21不当下して _148930.00
Providing and Labour for laying dry graded Brick Bats including light ramming etc. all complete as per approved design, specification and direction of E/I.	cum		As F Appen			1221.910	2412-11 -2427.65	2947391 2966370300
Providing, Filling Sand Bag, Stitching and Placing etc. all complete as per specification and direction of E/L.	Nos.					0.000	29-7-1-04	0.00
	RM		0 Nos	2,5m		0.000	£444.™ _3949.77	0.00
Providing and laying 600 mm dia reinforced cement concrete pipe NP3 for culvert on first class bedding of granular material in single row excluding excavation, protection works, backfilling, concrete and masonary.	RM		0 Nos	^2. 5m		0.000	20 59- 38 -2257.91	0.00

Junior Engineer

Assistant Engineer

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	W = 16	=2	1		6	Lh.	4	ш	ы		Z 2.		
De la companya de la		Deduction for 0Nos 600	Deduction for 0Nos 100		CH:- 3240.00 M	CH:- 940.00 M	CH:- 839.70 M	CH:- 716.20 M	CH:- 622.00 M	CH:- 468.80 M	From Chainage		
dour Holings	- /	Deduction for 0Nos 600 mm HP at 0 m (3.142*0.22*0)	Deduction for 0Nos 1000 mm HP at 0 m (3.142*0.36*0)		CH - 3365.00 M	CH:- 979.80 M	CH:- 881.90 M	CII:- 754.10 M	CH:- 647.40 M	CH:- 481.10 M	To Chainage	Mea	
		*0.22*0)	2*0.36*0)		-		-		1	1	Nos	suremen	
					125.00	39.80	42.20	37.90	25.40	12.30	Length (M)	t for surfacing t	Appendix - II
Asistant Engineer				Total	(3.3+3.5)/2 =	(4+3.5)/2 =	(4.113.6)/2 =	(4+3,4)/2 =	(4.05+3.5)/2 =	(4.1+3.4)/2 =	width (M)	Measurement for surfacing the Breach with Brick B	x-11
	Net Qua			(3)	3.400 Av.					3.750 Av.	Av. Widin (ivi)	k Bats	
(Co 11/10	Net Quantity of Brick Bats				0.217 Ax.	2,10 017	210 AV	310 Av	100 AV.	160 Av.	120 Av.	(Bats Thickness (M) Quantity (cum)	
	1221.91	0.00	0.00	0.00	1771 91	80.00	313,43	341.19	266.44	153.42	55.35	Quantity (cum,	

1		Me	asureme	nt for surfacing t	Measurement for surfacing the Breach with EARTH WORK	H WORK
No.	From Chainage	To Chainage	Nos	Length (M)	width (M)	Width (M)
					8 8	
-	CH:- 468.80 M	CH:- 481.10 M	2	05.01	1 0512 1316 17	47 LEY 1
	11 00 cm		t	00.00	= Z/(C1C,1TCC.1)	1.000.7.7.4.
N	CH:- 622.00 M	CH:- 647,40 M	2	25.40	(1.95+1.315)/2 =	L633 Av.
133	CH:- 71620 M	CH:- 754.10 M	2	37.90	(1.915+1 31)/2 =	1613 Av.
4	CH:- 839.70 M	CH:- 881.90 M	13	42.20	(1.875-1.225)/2 =	1 550 Av.
5	CH:- 940.00 M	CH:- 979.80 M	2	39.80	(1.895+1.315)/2 -	1.605 Av.
			E.31			otal
	Deduction for ONos 1	Deduction for 0Nos 1000 mm HP at 0 m (3.142*0.36*0)	.142*0.36	*(0)		
	Deduction for ONos 6	Deduction for 0Nos 600 mm HP at 0 m (3.142*0.22*0)	142*0.22*	9)		
_						

Asistant Engineer

Material for Seignior	age Fee	1	101.70	101.70
\+B+C)		2 - II	AMAZIN T AMA	247.00
Cess (A+B+C)				20.58
with 10% C.P.) -				2058.36
WRD SOR 6.6.1 (with				383.15
or Pitching and Light				440.0
+ (1.6 × 1 × 21.55) + 18	2.39			410.0
OH)				
)	Cum	1.60		
	KM	1		
	KM	7		
				1078.0
arges	-	0%		61.0
ck Bats	rei cuiii	6%	1017,00	1017.0
k Bats (with OH)	Per Cum		1017.00	1017.0
e done manually.				
a+b+c+d)/ 2.25				182.39
n = a+b+c+d				410.38
rges @ 0.06 on (a+b)				23.2
m/hour	hour	0.083	1403.00	116.45
r 1 cum bucket		7		J.78.3.
nes capacity	hour	0.1	549.10	54.93
	1997	W17.E		200.0
ding and unloading	day	0.72	287.00	205.6
	day	0.03	305.00	9.1
	†: +	W38100)		
c		0 Min 6 Min		
unforeseen		5 P. P.		
, reversing, dumping eturn		0 Min		
nt end loader 1 cum ම 25 cum per hour		5 Min		
		1 Min		
Tractor at loading				
r				
2.25 cum				9
	i I			
haulage and return t	ig with fron rip	tloader, dump	ing, turning	for return
2.2	pading point, loading aulage and return t	pading point, loading with from aulage and return trip	pading point, loading with frontloader, dump aulage and return trip	

BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	bounder free of apron incl	uding lie	Labour for laying dry graded Jhama Khoa or stone filter under Brick Pitching of Boulder Pitching in slope or apron including light ramming etc. all complete as peapproved design, specification and direction of E/I.										
	Unit :- Per Cum												
	Taking Output = 2.832 Cum	_											
	III Alliad Mardage	Nos.	3	287.00	061.00								
	Add 6% Overhead Charges	¥05.	3	287.00	861.00 51.66								
	Rate for 2.832 Cum				912.66								
	Rate per Cum (Rs.) -				383.15								
.4 RCD	Cost of Haulage Excluding Loading and Unloading												
	Haulage of materials by Tractor excluding	e cost of	loading unloa	ding and star	king.								
	Unit = t.km	8 2001	10001119, 011101										
	Taking output 3.60 tonnes load and lead	10 km =	36.0 t.km										
	(i) Surfaced Road	11. 12. 12. 12. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	10,54,9,38001111										
	Speed with load : 15 km / hour.												
	Speed while Returning empty :25 km /	hour.											
	a) Machinery.												
	Tractor 3.6 tonne capacity												
	Time taken for onward haulage with lo	hour	0.667	549.10	366.25								
	Time taken for empty return trip.	hour	0.400	549.10	219.64								
	b) Overhead charges @ 0.06 on (a)				35.15								
	cost for 36 t km = a+b+c				621.04								
(Rate per $t.km = (a+b+c)/36$				17.25								
	Say Rs				17.25								
	(ii) Unsurfaced Graveled Road												
	Speed with load: 12 km / hour				- 8								
	Speed for empty return trip :20 km / ho	our											
_	a) Machinery												
	Tractor 3.6 tonnes capacity												
	Time taken for onward haulage with lo	hour	0.833	549.10	457.40								
	Time taken for empty return trip hour	hour	0.500	549.10	274.55								
	b) Overhead charges @ 0.06 on (a)				43,92								
	Cost for 36 t .km = a+b+c 840.34	Y			775.87								
V +2 =	Rate per t.Km = (a+b+c)/36 23.34				21.55								
1 33	Say Rs				21.55								

Chapter 3

EARTHWORK

erence to MORD difications		Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)				
301.5	Cor	struction of Embankment with Malerial Obtained from Bo	rrow P	ts		te e				
	Con site,	struction of embandment with approved material obtained from b spreading, grading to required slope and compacting to meet re a 1000 m as per Technical Specification Clause 301.5	and the second	Section 200	upto 1.5 m, 300.1 and 3	transporting to 00.2 with a lead				
	Unit	= cm#								
	Taking output = 100 cum									
	а)	Labour								
		Mate	day	0.04	305.00	12,20				
		Mazdoor (Unskilled)	day	1.00	287.00	COT OF				
	b)	Machinery	4000	1,01000	2112112					
		Hydraulic Excavator 0.90 cum bucket capacity @ 60 cum per	hour	1.67	1,969.20	3,288,56				
		apper 5.5 cum with 10 t capacity	hour	4.50	1,043.00					
		Dozer D-60 for spreading @ 100 cum per hour	hour	0.00	3,337.90	0.00				
		Tractor Mounted Grader for grading \$6 200 cum per hour	hour	1.00	849.10					
		Water tanker 6 kl capacity	hour	0.00	184.00					
		Three wheal 80-100 kN Static Roller @ 80 cum per hour	hour	0.00	603.00	0.00				
	c)	Waterial				0.4002				
		Water	kl	0.00	40.00					
		Compensation for earth taken from private land.	cum	100.00	34.81	3,481.00				
	d)	Overheads @ 6.0% on (a+b+c)				733.68				
		st for 100 cum = a+b+c+d+e				13,050.04				
	Ra	te per cum = (a+b+c+d+e)/100				130.50				
		d 1% Labour Cess				1.31				
		d 12% GST				15.66				
	211	aal Rate in DPR				147.47				

