



GOVERNMENT OF BIHAR

NAME OF WORK:- Restoration work of Road NH-31 Petrol
Pump to Basgarha via Akama primary School

(FDR PART-A)

Restoration Length :- 143 M

Block:- Korha

DETAILED PROJECT REPORT

UNDER FDR (2245)

ESTIMATED COST

Rs. 9,50,692.00

-: PREPARED BY :-
EXECUTIVE ENGINEER
R.W.D. (W) DIVISION

तकनीकी प्रतिवेदन

योजना का नाम :- अतिवृष्टि एवं बाढ़ के कारण क्षतिग्रस्त "एन0एच0-31 पेट्रोल पम्प से बसगढ़ा
भाया एकमा प्राईमरी स्कूल" पथ का आकस्मिक मरम्मति कार्य (पार्ट-A)

क्षतिग्रस्त पथ की लम्बाई :- 240 मी0

प्राक्कलित राशि :- रू0 9,50,692.00

योजना शीर्ष :- FDR (2245)

प्राधिकार :- सचिव, ग्रामीण कार्य विभाग, बिहार, पटना का पत्रांक-2789 दिनांक 21.08.2020

प्रतिवेदन

प्रस्तुत प्राक्कलन अतिवृष्टि/बाढ़ के कारण क्षतिग्रस्त पथ के पथांश का प्राक्कलन रू0 9,50,692.00 मात्र के लिए ग्रामीण कार्य विभाग, कार्य प्रमंडल, कटिहार के द्वारा शीर्ष FDR के अन्तर्गत बनाया गया है।

पथ के आकस्मिक मरम्मति हेतु पथांशों में Brick Bats भरकर बचाव का कार्य करते हुए यातायात पुर्नस्थापित किया गया है।

पथ मरम्मति कार्य का प्राक्कलन वर्तमान अनुसूचित दर एवं सामग्री की दुलाई निकटतम खदान से प्रावधान कर बनाया गया है। दर गणना में संवेदक लाभांश सम्मिलित नहीं हैं।

उक्त कार्य को विभागीय रूप से कराये जाने हेतु आदेश प्राप्त है (प्रति संलग्न) एवं प्रशासनिक स्वीकृति हेतु तकनीकी अनुमोदन अपेक्षित है।

प्रमाणित किया जाता है कि प्राक्कलन कार्य स्थल के अनुरूप है।


कनीय अभियंता,
कोढ़ा


सहायक अभियंता,
ग्रा0का0वि0, कार्य अवर प्रमंडल,
कोढ़ा।


कार्यपालक अभियंता
ग्रा0का0वि0, कार्य प्रमंडल,
कटिहार।

NAME OF WORK:- Restoration work of Road NH-31 Petrol Pump to Basgarha via Akama primary School

Total Length :- 2.200 Km

Restoration Length :- 143 M

ABSTRACT OF COST			
1	Cost of Emergent repair of road and Bridge	Rs.	8,40,384.00
2	Add 1 % Labour Cess	Rs.	8,404.00
3	Add 12 % GST	Rs.	1,00,846.00
4	Add for Seigniorage Fee	Rs.	1,058.00
Total :-		Rs.	9,50,692.00
Say		Rs.	9,50,692.00

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RWD, Sub-Division, Korha

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E.P. 17/10
RWD (W) Div. Katihar

Technically approved for Rs. 9,50,692.00 (Rupees Nine lakh fifty thousand six hundred ninety two only)

Checked by me

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20/10/21
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20/10/21
SUPERINTENDING ENGINEER
R.W.D. WORK CIRCLE, PURNEA

NAME OF WORK:- Restoration work of Road NH-31 Petrol Pump to Basgarha via Akama primary School

Total Length :- 2.200 Km

Restoration Length :- 143 M

Sl. No.	ITEM OF WORKS	QTY	UNIT	RATE	AMOUNT
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1 Providing and Laying of Brick Bats

Placing tractor at loading point loading with front end loader dumping ,turning for return trip exluding time for haulage and return tirp

$$1 \times 17.0 \times \left(\frac{1.50 + 2.00}{2} \right) \times \left(\frac{0.75 + 0.50}{2} \right) = 18.59$$

$$1 \times 16.0 \times \left(\frac{4.50 + 4.00}{2} \right) \times \left(\frac{0.50 + 0.75}{2} \right) = 42.50$$

$$1 \times 15.0 \times \left(\frac{4.50 + 3.75}{2} \right) \times \left(\frac{0.70 + 0.50}{2} \right) = 37.13$$

$$1 \times 60.0 \times \left(\frac{6.00 + 5.00}{2} \right) \times \left(\frac{0.75 + 1.00}{2} \right) = 288.75$$

$$1 \times 20.0 \times \left(\frac{6.00 + 4.50}{2} \right) \times \left(\frac{0.90 + 0.50}{2} \right) = 73.50$$

$$1 \times 15.0 \times \left(\frac{3.00 + 2.50}{2} \right) \times \left(\frac{0.90 + 0.50}{2} \right) = 28.88$$

Total = 489.34 489.34 cum 1,717.37 8,40,384.00

Total cost Rs. 8,40,384.00

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Executive Engineer
RWD. (W) Div. Katihar.

Seigniorage Fee

Description	Unit	Quantity	Rate	Amount (In Rs.)	@	Add Seigniorage Fee 10%
EARTHWORK						
Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5						
Material						
Compensation For Earth Taken From Private Land	Cum	-	34.81	-	10%	-
2 Providing and Laying of Brick Bats						
Placing tractor at loading point loading with front end loader dumping, turning for return trip excluding time for haulage and return trip						
Material						
Brick Bats	Cum	-	1,063.00	-	10%	-
3 Labour for cutting and fixing 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 E/I.						
Material						
62 mm to 75 mm dia bamboo	Rm	-	20.21	-	10%	-
4 Labour for fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G. I. wire or nails complete job as per specification and direction of E/I.						
Material						
62 mm to 75 mm dia bamboo	Sqm	-	152.31	-	10%	-
20 swg G.I. wire or 75 mm to 150 mm long nails	Kg	-	50.00	-	10%	-
5 Labour for fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every verticle pile with 150 mm long nails or 38 swg G. I. wire including cost of G.I. or nails complete job as per specification and direction of E/I						
Material						
62 mm to 75 mm dia bamboo	Rm	-	20.21	-	10%	-
20 swg G.I. wire or 75 mm to 100 mm long nails	Kg	-	50.00	-	10%	-

Providing including labour for filling empty cement bag with local sand, stitching the bag and placing including supply of sutali etc. all complete as per approved design, specification and direction of E/I						
Material						
Sand Bags (Cost of Sand and empty cement bag)	Nos	1,250.00	8.46	10,575.00	10%	1,058.00
Sutali	Kg	-	34.20	-	10%	-
Total Seigniorage Fee						1,058.00

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BASIC RATES (A) Labour			
Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhistl	day	287
L-02	Bitumen Sprayer(semi skilled)	day	302
L-03	Blacksmith, special	day	345
L-04	Blaster, 2nd class	day	477
L-05	Carpenter 1st Class	day	345
L-06	Chips spreader, semi-skilled	day	299
L-06	Chiseller (Skilled)	day	388
L-07	Dresser (Skilled)	day	367
L-08	Driller, 2nd class	day	345
L-09	Electrician, skilled	day	367
L-10	Fitter, skilled	day	395
L-11	Mason (1st class)	day	388
L-12	Mason (2nd Class)	day	345
L-13	Mate, Semi skilled	day	305
L-14	Mazdoor (Unskilled)	day	287
L-15	Mazdoor (Semi skilled)	day	299
L-16	Mazdoor (Skilled)	day	364
L-17	Painter (1st class)	day	364
L-18	Plumber, Special	day	364
L-19	Surveyor	day	349
L-20	White Washer	day	364
L-21	Head blacksmith	day	388
L-22	Welder 1 St Class	day	434

(Basic Rates Taken From SOR, Thirteenth Edition, Road Construction Department, Govt. of Bihar effective from 06/05/2020.)

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अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णियाँ

BASIC RATES (B) Material					
Sl. No.	Description	Unit	Basic Rate as per SOR	Royalty	Final Rate Including Royalty
M-028	Bamboo (1st Class) 85 mm - 100 mm dia, 6 to 8 m long	No.	151.00		151.00
M-029	Bamboo (1st Class) 85 mm - 100 mm dia, 6 to 8 m long	No.	151.00		151.00
M-030	Bamboo (1st Class) 85 mm - 100 mm dia, 6 to 8 m long	No.	151.00		151.00
M-031	Bamboo (1st Class) 85 mm - 100 mm dia, 6 to 8 m long	No.	151.00		151.00
M-032	Bamboo (2nd Class) 75mm dia, 6 to 8 m long	No.	141.50		141.50
M-033	Bamboo (2nd Class) 75mm dia, 6 to 8 m long	No.	141.50		141.50
M-049	Brick Bats	cum	1063.00		1063.00
M-052	Royalty & Compensation for earth taken from private land	cum	1.81	33.00	34.81
M-159	Empty Cement Bag	Nos.	3.00		3.00
M-159	Sand bags (Cost of sand and Empty cement bag)	Nos.	5.87	2.59	8.46
M-159	Sutli (Brown)	kg	34.20		34.20
M-159	Nails (150 mm Long)	kg	50.00		50.00
M-086	Granular material (Natural occurring, soil gravel mixture / quarry waste, kankar, laterite, dhandla)	cum	82.26	83.00	165.26
M-112	RCC Pipe NP3 (1000 mm dia)	m	2675.47		2675.47
M-114	RCC Pipe NP3 (600 mm dia)	m	768.53		768.53
M-125	Sand (Fine)	cum	66.85	75.00	141.85
M-145	Water	kl	40.00		40.00

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अधीक्षण अनियंता
प्राथमिक कार्य विभाग
कार्य अंशदा, पुणे

**BASIC RATES
(C) USAGE RATES OF PLANT & MACHINERY**

Sr. No.	S.No. Code	Description of		Output of Machine		Usage Rates in Rs.	
		Machine	Activity	Unit	Output	Unit	Rate
PM-009	P&M-012	Crane upto 80 T	Lifting of materials			per hour	1,289.00
PM-010	P&M-015	Dozer D 80 - A12 Dozer D 50 - A15	Dozing cutting	cum/h	260.00	per hour	5,629.90
PM-011				cum/h	120.00		3,337.90
PM-014	P&M-017	Front end-loader 1 cum bucket capacity @ 45 cum/hour	Loading Aggregates	cum/h	45.00	per hour	1,403.00
PM-017	P&M-026	Hydraulic Excavator of 1cum bucket	Excavation	cum/h	100.00	per hour	1,969.20
PM-031	P&M-044	Three wheel 80-100 kN Static Roller	Compaction/ Rolling			per hour	803.00
PM-032			Earth: Embankment or sub-grade	cum/h	80/70		803.00
PM-033			Sub-base G-I	cum/h	10.00		803.00
PM-034			Sub-base G-II/G-III	cum/h	8.00		803.00
PM-035			WMM	cum/h	16.00		803.00
PM-036			BUSG	cum/h	10.00		803.00
PM-037			BM 50/75 mm	cum/h	12.00		803.00
PM-038			Premix 20 mm	sqm/h	250.00		803.00
PM-039			Seal Coat	sqm/h	500.00		803.00
PM-040			Surface Dressing 1st Coat	sqm/h	400.00		803.00
PM-041			Surface Dressing 2nd Coat	sqm/h	500.00		803.00
PM-042	P&M-048	Tipper 5.5 cum/10 t	Carriage	cum/trip	5.50	per hour	1,043.00
PM-043	P&M-053	Tractor with Disc Harrows	Pulverisation of soil	cum/h	80.00	per hour	549.10
PM-044	P&M-055	Tractor with ripper @ 60 cum per hour	Ripping Pavements, uprooting trees	cum/h	60.00	per hour	591.40
PM-045	P&M-053	Tractor with trolley with Grading equipment	Transportation of materials	t/trip	3 to 5	per hour	549.10
PM-046	P&M-054	Tractor with Rotavator	Scarifier	cum/h	25.00	per hour	573.20
PM-047	P&M-057	Truck 10 t capacity	Carriage	cum/trip	5.50	per hour	934.30
PM-048	P&M-059	Vibratory roller 80-100 kN	Compaction of soil WMM	cum/h	100.00	per hour	2,069.00
PM-049			Compaction of BM	cum/h	60.00		2,069.00
PM-050	P&M-060	Water tanker 6 kl capacity (Truck Mounted)	Carriage of water	litre / h	12000.00	per hour	184.00


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 अधीक्षक अभियंता
 ग्रामीण कार्य विभाग
 कार्य अंचल, पूर्णियाँ


 12/10/2020

Devika
 12.10.20

Summary of Carriage Cost			
Sl. No.	Item	Unit	Amount Rs.)
1	Earth Work	Cum	216.93
2	Brick Bats	Cum	434.30
3	G.S.B.	Cum	2106.36
4	Local Sand	Cum	274.35
5	HUME PIPE (1000 mm DIA)	Mtr.	831.34
6	HUME PIPE (600 mm DIA)	Mtr.	336.65

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अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णियाँ

12-10-22

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Sl No	Item	Unit	Source	Trucks / Surface	Katcha	Unload	by Road
1	Earth Work Via Road	Cum	Local	$\frac{3.60}{2.04} \times 16.27 \times 0 \text{ Km}$ - Rs 0.00	$\frac{3.60}{2.04} \times 25.42 \times 1 \text{ Km}$ - Rs 44.86	172.07	216.93
2	Brick Via Road	Cum	Local	$\frac{3.60}{1.91} \times 16.27 \times 7 \text{ Km}$ - Rs 214.38	$\frac{3.60}{1.91} \times 25.42 \times 1 \text{ Km}$ - Rs 47.85	172.07	434.30
3	Local Sand Via Road	Cum	Local	$\frac{3.60}{2.04} \times 16.27 \times 2 \text{ Km}$ - Rs 57.12	$\frac{3.60}{2.04} \times 25.42 \times 1 \text{ Km}$ - Rs 44.86	172.07	274.35
4	Hume Pipe (1000 mm) Via Rod	M	purnea	$\frac{8.00}{10.00} \times 16.27 \times 53 \text{ Km}$ - Rs 687.65	$\frac{8.00}{10.00} \times 25.42 \times 0 \text{ Km}$ - Rs 0.00	141.49	831.34
5	Hume Pipe (600 mm) Via Road	M	purnea	$\frac{8.00}{25.00} \times 16.27 \times 53 \text{ Km}$ - Rs 275.94	$\frac{8.00}{25.00} \times 25.42 \times 0 \text{ Km}$ - Rs 0.00	60.71	336.65

Cost of Haulage Excluding Loading & Unloading as per SOR • Subjected to Verification of Lead

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अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णिया

SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
4.4		Loading and unloading of stone Boulder/stone aggregates sand/ kankar/ moorum				
		Placing tractor at loading point loading with front end loader dumpoing, turning for return trip excluding time for haulage and return trip				
		Unit = cum				
		Taking output = 2.25 cum				
		Time required for				
i)		positioning of tractor at loading point	min	1 min		
ii)		Loading by front end loader 1 cum bucket capacity @ 25	min	5 min		
		Total		6 min		
a)		Labour				
		Mate	day	0.030	305.00	9.15
		Mazdoor (Unskilled)	day	0.720	287.00	206.64
b)		Machinery				
		Tractor 3.60 Tonnes Capacity	hour	0.100	549.10	54.91
		Front end loader 1 cum bucket capacity @ 25 Cum/hour	hour	0.083	1,403.00	116.45
		Cost for 2.25 cum = a+b+c				387.15
		Rate per cum = (a+b+c+d)/2.25	cum			172.07
		Total per cum	cum			172.07
1.1		Loading and Unloading Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Manual Means				
(i)		Loading of lime, Aggregates, Stone boulder, Brick aggregate, Kankar, Building Rubbish, Crushed Slag Stone for masonry work by manual means including a lead upto 30m				
		Unit = cum				
		Taking output = 5.5 cum				
		Time required for				
(i)		Position of tipper at loading point		1Min		
(ii)		Loading by front end loader 1 cum bucket capacity @25		13Min		
(iii)		Unloading, reversing, dumping and turning for return		2Min		
(iv)		Waiting time unforeseen contingencies etc.		4Min		
		Total		20Min		
b)		Machinery				
		Tractor 5.5 Tonnes Capacity	hour	0.330	1,043.00	344.19
		Front end loader 1 cum bucket capacity @ 25 Cum/hour	hour	0.330	1,403.00	462.99
c)		Overheads @6% (a+b)				0.00
d)		Profit @10% (a+b+c)				0.00
		Cost for 5.5 cum = a+b+c				807.18
		Rate per cum = (a+b+c+d)/5.5	cum			146.76
		Total per cum	cum			146.76
1.10		Haulage excluding Loading & Unloading				
		Haulage of materials by truck excluding cost of Loading, Unloading and stacking				
		Unit = 1km				
		Tractor output 10t load and lead 10km = 100t km				
		Surface Road				
		Speed with load : 25km per hour				
		Speed while returning empty : 35km per hour				
a)		Machinery				
		Tractor with load	hour	0.400	1043.00	417.20
		Tractor return trip	hour	0.290	1043.00	302.47
b)		Overheads @6% (a)				0.00
c)		Profit @10% (a+b)				0.00
		Cost for 100t km = a+b+c				719.67
		Cost for 1 t km = a+b+c/100				7.19
		Cost per t per km				7.19

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SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
		Case - III Kutcha Track and Track in River Bed / Nallah Bed and Choe Bed				
		Load with load : 10km per hour				
		Load while returning empty : 15km per hour				
	a)	Handage with load	hour	1.000	1043.00	1043.00
		Empty return trip	hour	0.670	1043.00	698.81
	b)	Over Heads @6% (a)				0.00
	c)	Profit @10% (a+b)				0.00
		100t km = a+b+c				1741.81
		1 t km = a+b+c/100				17.41
		Cost per km				17.41
1.9		Laying and Unloading of Hume Pipes				
	(i)	Laying of RCC Hume pipes by mechanical means including a lead upto 30 m				
	A.	1000 / 1200 mm dia Hume pipe				
		Unit = per pipe				
		Output = 9 pipes				
	a)	(Unskilled)	day	0.020	305.00	6.10
			day	0.500	287.00	143.50
	b)	60 Tonnes Capacity	hour	0.330	549.10	181.20
			hour	0.330	1289.00	425.37
		9 pipes = a+b+c+d				756.17
		1 pipe = (a+b+c+d)/9	per p			84.02
		1000 mm dia Hume pipe				84.02
	C.	per pipe				
		Output = 21 pipe				
	a)	(Unskilled)	day	0.020	305.00	6.10
			day	0.500	287.00	143.50
	b)	60 Tonnes Capacity	hour	0.330	549.10	181.20
			hour	0.330	1289.00	425.37
		1 pipes = a+b+c+d				756.17
		1 pipe = (a+b+c+d)/21	per p			36.01
		1000 mm dia RCC Hume pipes				36.01
	(ii)	Laying of RCC Hume pipe by Mechanical means including a lead upto 30 m				
	A.	1000 mm dia RCC Hume pipes				
		Unit = per pipe				
		Output = 9 pipes				
	a)	(Unskilled)	day	0.020	305.00	6.10
			day	0.500	287.00	143.50
	b)	60 Tonnes Capacity	hour	0.200	549.10	109.82
			hour	0.200	1289.00	257.80
		9 pipes = a+b+c+d				517.22
		1 pipe = (a+b+c+d)/9	per p			57.47
		1000 mm dia Hume pipe				57.47
	C.	per pipe				
		Output = 21 pipes				
	a)	(Unskilled)	day	0.025	305.00	7.63
			day	0.500	287.00	143.50

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SDB SL No.	MORD Ref No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
	b)	3.60 Tonnes Capacity	hour	0.200	549.10	109.82
		21 pipes = a+b+c+d	hour	0.200	1289.00	257.80
		per pipe = (a+b)/21	per p			518.75
1.10		excluding Loading & Unloading				24.70
		of materials by truck excluding cost of Loading, Unloading and stacking				
		put 3.6t load and lead 10km = 36t/km				
		Surfaced Road				
		h load : 15km per hour				
		le returning empty : 25km per hour				
		6 tonnes Capacity	hour	0.667	549.10	366.25
		with load	hour	0.400	549.10	219.64
		turn trip				585.89
		t/km = a+b+c				16.27
		t km = a+b+c/36				16.27
		t per km				
		Kutcha Track and Track in River Bed / Nallah Bed and Choe Bed				
		h load : 10km per hour				
		le returning empty : 15km per hour				
		6 tonnes Capacity	hour	1.000	549.10	549.10
		with load	hour	0.667	549.10	366.25
		turn trip				915.35
		t/km = a+b+c				25.42
		t km = a+b+c/36				25.42
		t per km				
4.5		and Laying of Brick Bats				
		actor at loading point loading with front end loader dumpong, turning for return trip				
		time for haulage and return trip				
		out = 2.832 cum				
	a)	(Unskilled)	day	2.170	287.00	622.79
	b)		cum	2.830	1,063.00	3008.29
	c)	tonnes Capacity	cum	2.830	434.30	1229.07
						4860.15
		cum = (a+b+c)/2.83	cum			1717.37
			cum			1717.37
3.3	301.5	on of Embankment with approved material obtained from borrow pits with a lift upto 1.5 m				
		g to site, spreading grading to required slope and compacting to meet requirement of Table				
		00.2 with a lead of 1000 m as per Technical				
		no. 3.3 Clause 301.5				31.84
		compensation for earth taken from private land				34.81
		of Earth by Tractor Lead 1 K.M.				216.93
		of 1 cum =				283.58
3.3	301.5	ion of Embankment with material obtained from roadway cutting				

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SDB SL No.	MORP Ref No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
		Construction of Embankment with approved material deposit at site from roadway cutting and on from drain and foundation of other structure graded and compacted to meet requirement of 100.1 and 300.2 as per Technical Specification Clause 301.5.				
		Output = 100 cum				
	a)		day	0.020	305.00	6.10
	b)	(Unskilled)	day	0.500	287.00	143.50
		50 for spreading @200 cum per hour	hour	0.500	0.00	0.00
		Grader for grading @200 Cum per hour	hour	2.000	591.40	1182.80
		Tractor 6 kl capacity	hour	2.000	184.00	368.00
		Steel 80-100 kN Static Roller	hour	1.250	803.00	1003.75
						0.00
			kl	12.000	40.00	480.00
		100 cum = a+b+c+d+e				0.00
		100 cum = (a+b+c+d)/100	cum			31.84
		100 cum	cum			31.84
4.5		Construction and Laying of Brick Bats				
		Tractor at loading point loading with front end loader dumping, turning for return trip time for haulage and return trip				
		Output = 2.832 cum				
	a)	(Unskilled)	day	2.170	287.00	622.79
	b)		cum	2.830	1,063.00	3008.29
		6 tonnes Capacity	cum	2.830	434.30	1229.07
						4860.15
		cum = (a+b+c)/2.83	cum			1717.37
		100 cum	cum			1717.37
9.3		Construction and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row				
		Construction and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular in single row including fixing collar with cement mortar 1:2 but excluding excavation, works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.				
		1 DIA (Double Row)				
		pipe including collar	m	15.000	2675.47	40132.05
	b)		day	0.220	305.00	67.10
		(Unskilled)	day	0.600	388.00	232.80
		5m = (a+b+c)	day	4.800	287.00	1377.60
		Cost per m = (a+b+c+d)/7.5	m			41809.55
		100 m = (a+b+c+d)/7.5	m			5574.61
		100 m = (A+B)	m	15.000	831.34	12470.10
		100 m	m			12470.10
		100 m	m			1662.68
		100 m	m			7237.29
		100 m	m			7237.29
		1 DIA (Single Row)				
		pipe including collar	m	7.500	2675.47	20066.03

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SDB
SL No.

DESCRIPTION	Unit	QTY	Rate	Amount in Rs
1st class)	day	0.090	287.00	25.83
(Unskilled)	day	0.250	345.00	86.25
7.5m = (a+b+c)	day	2.000	299.00	598.00
Cost per m = (a+b)/7.5				20776.11
GE COST	m			2770.15
	m	15.000	831.34	12470.10
cost of 7.5 m				12470.10
cost per m	m			1662.68
m = (A+B)	m			4432.83
	m			4432.83
IA (Double Row)				
pipe including collar	m	15.000	768.53	11527.95
	day	0.040	287.00	11.48
1st class)	day	0.120	345.00	41.40
(Unskilled)	day	0.960	299.00	287.04
m = (a+b+c+d)				11867.87
Cost per m = (a+b)/7.5	m			1582.38
GE COST	m	15.000	336.65	5049.75
cost of 7.5 m				5049.75
cost per m	m			673.30
m = (A+B)	m			2255.68
	m			2255.68
IA (Single Row)				
pipe including collar	m	7.500	768.53	5763.98
	day	0.040	287.00	11.48
1st class)	day	0.120	345.00	41.40
(Unskilled)	day	0.960	299.00	287.04
m = (a+b+c+d)				6103.90
Cost per m = (a+b)/7.5	m			813.85
GE COST	m	7.500	336.65	2524.88
cost of 7.5 m				2524.88
cost per m	m			336.65
m = (A+B)	m			1150.50
	m			1150.50
Filling empty cement bags with local sand, stitching the bags and pitching in Nylon crate of (1m x 1m) with a lead of 150 m including supply of suti etc. and placing the filed crates in water within a lead 30 m all complete as per approved design, specification and direction of E/L.				
N.C.				
Cost for filling bags in one Nylon crate in dry	No.	1.000	299.00	299.00
Cost for filling N/C with 30 m lead in water portion				
	No.	0.370	305.00	112.85
1st class)	No.	1.000	364.00	364.00
(Unskilled)	No.	1.000	287.00	287.00
				651.00
				651.00
				651.00
Labour for 100 Cft.				
N.C. Bags to contain 1.20 Cft. Of sand				
Rate for placing one filed N.C.		195.300		195.30
Rate for mupm crate on water portion (I+II)			Say.	494.30

5.7.41.3

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कार्य अंश, पूरि, सो

SDB Sl. No.	MOR Ref. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
5.7.40.2		For filling empty cement bags with local sand, stitching the bags and Placing in Nylon crate of 1m X 1m) with a lead of 150 m including supply of sutti etc. at site in dry portion all as per approved design, specification and direction of E/I.				
		Each N.C.				
		Put = 25 Nos. filled E.C. Bags in Each				
		Rate				
5.7.9		25 Nos. of filed E.C. bag (Vide item No. 5.7.40.1)	No.	25.000	1837.10	551.13
		Each N.C. =		551.130	Say.	551.13
		For fitting and fixing 62 mm to 75 mm dia bamboo runners in position at every verticle pile with long nails or 38 swg G. I. wire including cost of G.I. or nails complete job as per specification				
		mt.				
		Put = 30.50 m				
	(i)	62 mm long nails	kg	0.500	50.00	25.00
	(ii)	Gr-II	No.	0.125	345.00	43.13
		Labour	No.	0.250	287.00	71.75
						139.88
						139.88
						139.88
						4.59
					Say.	4.59
5.7.7		For cutting 62 mm to 75 mm dia bamboo piles in size and making shoes and driving etc. complete specification and direction E/I.				
		mt.				
		Put = 30.50 m				
		Sink 1.525 m deeps				
		Sink 30.50 m				
		Gr-II	No.	0.250	345.00	86.25
		Labour for piling	No.	2.500	287.00	717.50
						803.75
						803.75
						803.75
						26.35
					Say.	26.35
5.7.7(A)		For cutting 62 mm to 75 mm dia bamboo piles in size and making shoes and driving etc. complete job as per specification and direction E/I.				
		mt.				
		62 M long	No.	0.150	141.50	21.23
		5.7.7	No.	1.000	26.35	26.35
						47.58
14.18		For fitting and fixing in position split bamboo woven chanchary with 20 SWG G.I etc. Complete job - 100 sft (9.29 sqm)				
			No.	10.000	141.500	1415.00
			Kg	0.250	50.000	12.50
		per killed 1 nos	No.	1.000	287.000	287.00
		per 1 nos	No.	1.000	345.000	345.00

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जयपुर, राजस्थान

SDB Sl. No.	MORD Ref. No.	DESCRIPTION	Unit	QTY	Rate	Amount in Rs
		10.50 sqm				2059.50
		10.50 M				2059.50
5.7.8 WRD		10.50 M				221.69
		10.50 M and fixing split bamboo woven chachari in position with 20 swg G.I. wire of 75 mm long nails alternatively including cost of G.I. wire or nails complete job as per direction of E/I.				
		10.50 strip of 3.05x3.05 = 9.30 sqm				
		10.50 sqm				
		10.50 = 9.30 sqm				
		10.50 - II	No.	1.000	345.00	345.00
		10.50 skilled) for piling	No.	1.000	287.00	287.00
		10.50 mm long nails	kg	0.250	50.00	12.50
		10.50 = (a+b)/9.30				644.50
		10.50 pour for filling Cement Bag, swing and laying materilas				69.30
10.7.40 WRD		10.50 cement Bag with Sand	kg	1.000	8.460	8.46
		10.50 door for filling sand into bag and swing	No	2.000	287.00	574.00
		10.50 door for filling sand Bag to work site	No	3.000	287.00	861.00
		10.50 Nos.				1435.00
		10.50 Bag				14.35
		10.50 sand Cost of Fine Sand				
		10.50 Cement Bag				
		10.50 t = 1 No.				14.35
		10.50 ant bag with Sand				8.46
		10.50 m ³	cum	0.034	274.35	9.33
		10.50	cum			32.14
		10.50 (A + B + C) =				32.14
5.7.46 (C)		10.50 ing and fixing Bamboo Runner including				
		10.50 all comp				
		10.50 M				
		10.50 dia, 6 to 8 m long	No.	4.250	141.50	601.38
		10.50 long nails	kg	0.500	50.00	25.00
		10.50	No.	0.125	345.00	43.13
		10.50 pour for filling E.C. Bags	No.	0.250	287.00	71.75
		10.50				741.26
		10.50				24.71
		10.50				24.71
		10.50 Say Rs.				24.71

M. S.
7/10/2020

Dmd
7/10/20

12/10/20
अधीक्षण
ग्राहीण कार्य
कार्य अंचल, पूरबी

12/10/20



17/10/2020

17. A.E.

17/10/20

ग्रामीण कार्य विभाग, कार्य प्रमंडल, कटिहार।

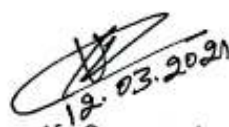
बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों/पुलों की आपातकालीन मरम्मत हेतु जाँच प्रतिवेदन।

(वित्तीय वर्ष-2020-21)

Block -Korha

Sl No.	Name of District	Name of Division	Name of Road	Road Status	Length (In Km)	Estimated Cost For Restoration (In Lakh)	Remarks
1	2	3	4	5	6	7	8
1	Katihar	Katihar	T01 To sonapur	Ongoing	1.000	753441.00	Restoration Work Complete
2	Katihar	Katihar	HL Bridge Approach Road at Khanpur Ghat	Completed	0.500	659943.00	Restoration Work Complete
3	Katihar	Katihar	NH-31 Petrol Pump to Basgarha via Akama primary School	Ongoing	2.400	950692.00	Restoration Work Complete
Total :-						2364076.00	


(ई० दिलीप कुमार)
कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा, कोढ़ा।


(ई० विजय कुमार)
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, कोढ़ा।


(ई० चन्द्रहास कुमार)
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, कटिहार।


(ई० अभ्युनिन्द शर्मा)
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, मनहारी।