

Inspection Report of Flood Damage work

Name of PIUs:- RWD Works Division, Benipur

Name of Block/Road:- ^{Amchhari} ~~Alimgao~~ to ~~Amchhari~~ Tala Road
~~Amchhari~~

A. For Road

1. Damage Location Chainage:- ① 120m, 196m, ② 196m ③ 120m, 196m ④ 120m, 196m
2. Damage Length :- ^{(iii) 120m, 196m} ~~265.5m~~ 108.50
3. Nature of Damage :- Road cut
4. Details of Restoration Works
 - i. Material being used in Restoration works:- Brick balls
 - ii. Equipment's /Tools being used in Restoration works:- JCB & tractor
 - iii. Procedure taken up in Restoration works:- filling & leveling
 - iv. Restored Length:- ~~265.5m~~ 108.50

B. For Bridge

1. Damage Location Chainage:-
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works
 - i. Material being used in Restoration works:-
 - ii. Equipment's /Tools being used in Restoration works:-
 - iii. Procedure taken up in Restoration works:-
 - iv. Restored Length:-

Signature of JE/AE/EE ^{14/12/21} ~~JE~~

²⁰³⁶
Signature ^{14/12/21}
(Name of Inspection) ER

पथ का नाम :- अलीनगर से खेचरी रोड पथ
पथ की लम्बाई :- 0.505 कि० मी०
प्राक्कलित राशि :- 3,55,827.00

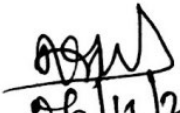
प्रतिवेदन

माह मई के अंतिम सप्ताह से लेकर माह अक्टूबर के तीसरे सप्ताह तक लगातार भारी वर्षा, परिणामस्वरूप आयी बाढ़ के चलते अधिकांश पथ अंशतः अथवा पूर्णतः जलमग्न हो गये, पथ में कटाव हो गया एवं यातायात बाधित हो गया।

जनहित, कार्यहित एवं आसन्न पंचायत आम चुनाव एवं विभागीय सचिव महोदय के आदेश (पत्रांक- मु0अ0-4(मू0) विविध कार्य-23-60/2020-1937 पटना, दिनांक-07.07.2021) के आलोक में क्षतिग्रस्त पथों को ईट टुकड़ों से भरकर यातायात बहाल किया गया।

जलस्तर कम होने एवं पानी का बहाव बन्द होने के पश्चात् आदेशानुसार किये गये कार्य के अनुसार प्राक्कलन तैयार कर घटनोत्तर स्वीकृति हेतु समर्पित की जा रही है। कार्यहित में प्राक्कलन की स्वीकृति अपेक्षित है।

प्राक्कलन को कार्य अंचल, दरभंगा द्वारा स्वीकृत अद्यतन दर के आधार पर तैयार कर अग्रेतर कार्रवाई हेतु समर्पित की जाती है।


06/11/2021

कनीय अभियंता
ग्रा0का0वि0, कार्य प्रशाखा,
अलीनगर


06/11/2021

सहायक अभियंता
ग्रा0का0वि0 कार्य अवर प्रमंडल,
अलीनगर


06/11/2021

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बेनीपुर

FDQ 2021-22

Name of work:- Restoration of traffic
in Alimagan to Andhar talga road

Abstract of cost

① Paving & filling brick bats -
108.20 m² @ 200496 /m² = 2,10922.0

② Restoration of rain cut with
local sand
87.19 m² @ 40234 /m² = 35,080.0

③ Bamboo pitling

(i) Supply of bamboos
133 Nos @ 141,50 /m = 18,820.0

(ii) Labour for cutting of bamboos
930.83 m @ 31,20 /m = 29,042.0

(iii) Labour for fitting & strip
chachari
125.60 m² @ 8220 /m² = 10,324.0
C.O. = 3,04,188.0

B.P — 3,04,188.00
 Add L.S.F @ 12% — 36,503.00
 Add L.C @ 1% — 3,042.00
 Add S.P

Bridge bds —
 $105.20 \text{ m} \times 1032.00 \times 0.10 = 10,857.60$
 Fine sand —
 $27.19 \text{ m} \times 141.88 \times 0.10 = 1,237.50$
3,55,827.00

[Signature]
 06/11/2021
 J.E

[Signature]
 06/11/2021
 A.E

[Signature]
 06/11/2021
 B.E

Technically Sanctioned for Rs = 3,55,827.00 Rupees (Three Lakh Fifty Five Thousand Eight Hundred Twenty Seven) only.

[Signature]
 10/11/21
 Superintending Engineer
 RWD, Works Circle, Darbhanga

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FOR 2021-22

Name of work:- Restoration of Traffic in
Alignment to Borthakoti road

- Item ① Boasting & filling bridge bays including
cost of bridge bays & labour, loading,
unloading & light carrying all
complete job.

Ch 120 m

$$1 \times 48.50 \times \frac{1.25 + 1.45 + 1.35}{3} \\ \times \left[\frac{0.30 + 1.20}{2} + \frac{1.00 + 1.50}{2} + \frac{1.00 + 1.30}{2} \right] = 68.75 \text{ m}^3$$

Ch 196 m

$$1 \times 30.00 \times \frac{3.75 + 4.25 + 5.95}{3} \times 0.30 = 13.95 \text{ m}^3$$

In side of bamboo filling

$$1 \times 30.00 \times 0.75 \times 1.00 \text{ m} = 22.50 \text{ m}^3 \\ \text{Total} = \underline{105.20 \text{ m}^3}$$

- Item ② Restoration of main cut with
local sand - do - TISE 1902

Ch 196 m

$$1 \times 30.00 \times \frac{4.00 + 5.00 + 6.75}{3} \\ \times \left(\frac{1.60 + 1.75 + 1.60}{3} + \frac{0.25 + 1.05 + 1.05}{3} \right) = 87.19 \text{ m}^3$$

③ Bamboo piling

① Supply of bamboos

(a) In piles (Below H.L. = 0.90 m, Above H.L. = 1.60 m)

$$\text{Ch 120 m} - \frac{(48.50 \text{ m} \div 0.50)}{\text{Total 2.50 m}} + 1 = 98 \text{ Nos}$$

$$\text{Ch 196 m} - (30.00 \div 0.50) + 1 = 61 \text{ Nos}$$

$$\text{Length of bamboo piles} = 159 \times 2.50 \text{ m} = 397.50 \text{ m}$$

(b) In chachari

$$\text{Dia. of bamboo} = 75 \text{ mm}$$

$$\begin{aligned} \text{Perimeter of bamboo} &= \pi d = 3.14 \times 75 \\ &= 235.50 \text{ mm} \\ &= 0.2355 \text{ m} \end{aligned}$$

Area of chachari

$$\text{Ch 120 m} - 48.00 \times 1.60 \text{ m} = 76.80 \text{ m}^2$$

$$\text{Ch 196 m} - 30.00 \times 1.60 \text{ m} = 48.00 \text{ m}^2$$

$$\text{Total} = 124.80 \text{ m}^2$$

$$\begin{aligned} \text{Length of bamboo} &= 124.80 \div 0.2355 \\ &= 530.33 \text{ m} = 530.33 \text{ m} \end{aligned}$$

$$\text{Total Length of bamboos} = 397.50 \text{ m} + 530.33 \text{ m} = 927.83 \text{ m}$$

No. of bamboos (av. 7.00 m length)

$$= 927.83 \div 7.00 = 132.69 \text{ say } 133 \text{ Nos}$$

(ii) Labour for cutting of bamboo
to size — do — B.L.

Total length of bamboos
= 930.83 m $\times$ 31.20/m $\times$ 2000/5000 Road

(iii) Labour for cutting & stacking
of stacks — do — B.L.

Ch 120m — 48.50m $\times$ 1.60m = 77.60m²

Ch 176m — 30.10m $\times$ 1.60m = 48.16m²

Total $\rightarrow$ 125.76m²

Agg
06.11.2024

O.B. Along

Agg
06.11.2024
A.E. Along

Agg
06.11.24
B.L.

Checked & verified

Agg
14.12.2024
A.E.

330
14/12/24
A.E.

F-8 (Rate Maintenance)

Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Restoration of Rain Cuts				
Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902				
A. Manual Means				
Unit = cum				
Taking output = 10 cum				
a) Labour			321.20	
Mate	day	0.24	305.00	73.20
Mazdoor (Unskilled)	day	6.00	287.00	1,722.00
b) Machinery			304.20	
Plate compactor	hour	3.00	469.70	1,409.10
c) Materials <i>Local sand</i>	cum	12.00	141.85	1,702.20
Compensation for earth Taken from private land	cum	7.50	34.81	261.08
d) Overhead @ 6%				267.92
e) Contractor's profit @ 10 %				367.33
Cost for 10 cum = a+b+c+d				4,040.83
Carriage of sand cum		1.20	169.94	203.93
Rate per cum = a+b+c+d/10				404.08
				402.34

15.2	1900	1.	Maintenance of Earthen shoulder (filling with fresh selected soil)				
			Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903				
			Unit = sqm				
			Taking output = 100 sqm				
			Assuming average thickness of filling to be 150 mm				
			Quality of fresh material = 15 cum				
		a.	Labour				
			Mate	day	0.20	305.00	61.00
			Mazdoor (Unskilled)	day	5.00	287.00	1,435.00
		b.	Machinery				
			Hydraulic Excavator 0.9 cum bucket capacity @ 60	hour	0.25	1,969.20	492.30
			Tipper 5.5 cum	hour	0.68	1,043.00	709.24
			Add 10% cost of transportation to cover cost of				70.92
			Plate compactor @ 25 sqm per hour	hour	4.00	469.70	1,878.80
		c.	Material	sqm	15.00	34.81	522.15
			Compensation of earth				310.16
		d)	Overhead @ 6%				547.96
		e)	Contractor's profit @ 10 %				6,027.54
			Cost for 100 sqm = a+b+c+d+e				60.26
			Rate per sqm = (a+b+c+d+e)/100				60.26
			Total Cost				
			60.26				
		2.	Maintenance of Earthen shoulder (stripping of excess soil)				
			Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawings and Technical Specification Clause 1903				
			Unit = sqm				
			Taking output = 100 sqm				
			Assuming height of stripping as 75 mm				
			Quantity of earth cutting involved = 7.5 cum				
		a.	Labour				
			Mate	day	0.10	305.00	30.50
			Mazdoor (Unskilled)	day	2.50	287.00	717.50
		b.	Machinery	hour	4.00	469.70	1,878.80
			Plate compactor				157.61
		c.	Overhead @ 6 %				278.44
		d.	Contractor's profit @ 10 %				3,062.85
			Cost for 100 sqm = a+b+c+d				30.63
			Rate per sqm = a+b+c+d/100				30.63
			Total Cost				
			30.63				