



## GOVERNMENT OF BIHAR

NAME OF WORK-

**Restoration work of road from Harna to Itwa**

(FDR PART-A)

Length-2.961km

BLOCK-DARIYAPUR

### DETAILED PROJECT REPORT

UNDER FDR(2245)

ESTIMATED COST

*Rs-16.821Lacs*

..PREPARED BY :-  
EXECUTIVE ENGINEER  
RWD(W) DIVISION  
SONPUR

Inspection Report for flood damage work

Date:

1. Name of PIUs- R.W.D(W) DIV Sonpur

2. Name of Block/Road- Daryapur, Harna to Itwa

**A. For Road**

1. Damage Location/Chainage CH-800m-120m, CH-150-1048m, CH-200m-2600m RH-1350m

2. Damage Length

133m - 1356m, CH-1400m-1418m, CH-2880m-2900m

3. Nature of Damage

Road washout, GSB, WB, G, G, badly damaged

4. Details of Restoration

i Material being used in Restoration

: No

ii Equipment/Tools being used in Restoration works:

: No

iii Procedure taken up in Restoration works

Filling of bricks bats in ditch  
: Portion, Restored with GSB  
G, G, G

iv Restored Length

133m

**B. For Bridge**

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

4. Details of Restoration :

i Material being used in Restoration :

ii Equipment/Tools being used in Restoration works:

iii Procedure taken up in Restoration works :

iv Restored Length :

Signature of JE/AE/EE

Signature

(Name of Inspector)

12/20  
S.E

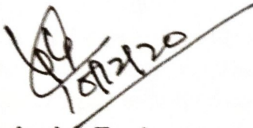
High  
10.12.20  
AE

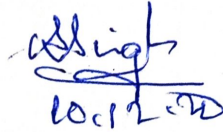
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12/12/20  
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Restoration work of road from Harna to Itwa

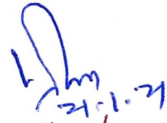
Length of road-		2.961km
ABSTRACT OF COST		
1	Cpost of Emergent repair of road & Bridge	Rs. 1,488,595.28
2	Add 1% Labour Cess	Rs. 14,885.95
3	Add 12% GST	Rs. 178,631.43
	Total	Rs. 1,682,112.67
	Say	Rs. 1,682,100.00

  
Junior Engineer  
RWD(W) Dariyapur

  
Assistant Engineer  
RWD(W) sub division Dariyapur

  
Executive Engineer  
RWD(W) DIV  
Sonpur

T/A Approved for Rs - 16.821 Lakh (Rupees Sixteen lacs eighty two Thousand One Hundred) only.

  
S.E. Chafra

### Restoration work of road from Harna to Itwa

lo	Item of work	Nos	Length	width	Height	Quantity	unit	Rate	Amount
4	Providing and laying Brick Bats								
	Placing tractor at loading point, loading with front end loader umpong, turning for return trip excluding time for haulage and return trip.								
	CH-20m to 25m	1	5.00	$\frac{(6.0+8.7)}{2}$	0.90	33.075			
	CH-1000m to 1014m	1	14.00	$\frac{(6.0+8.28)}{2}$	0.76	75.96			
		1	5.00	$\frac{(6.0+8.7)}{2}$	0.90	25.70			
	CH-1350m to 1356m	1	6.00	$\frac{(6.0+7.8)}{2}$	0.75	31.05			
	CH-1400m to 1418m	1	18.00	$\frac{(6.0+9.0)}{2}$	1.00	135.00			
						300.79	cum	1949.55	586403.61
5	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								
	CH-20m to 25m	2	5.00	1.125	0.90	10.13			
	CH-1000m to 1014m	2	4.00	1.125	0.76	6.84			
		2	5.00	1.125	0.90	10.13			
	CH-1350m to 1356m	2	6.00	1.125	0.75	10.13			
	CH-1400m to 1408m	2	18.00	1.125	1.00	40.50			
	CH-1500m to 1600m	2	100.00	1.125	0.60	135.00			
	CH-1700m to 2300m	2	600.00	1.125	1.00	1350.00			
						1562.72	cum	230.65	360447.14
6	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause								
	CH-20m to 27m	1	7.00	4.05	0.15	4.25			
	CH-1000m to 1014m	1	14.00	4.05	0.15	8.51			
		1	7.00	4.05	0.15	4.25			
	CH-1040m to 1090m	1	50.00	4.05	0.15	30.38			
	CH-1350m to 1358m	1	8.00	4.05	0.15	4.86			
	CH-1400m to 1418m	1	18.00	4.05	0.15	10.94			
						63.18	cum	2781.11	175710.53



### Restoration work of road from Harna to Itwa

Item of work	Nos	Length	width	Height	Quantity	unit	Rate	Amount
<b>BM Grading 2</b>								
Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, and packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.								
H-20m to 28m	1	8.00	3.75	0.075	2.25			
H-80m to 120m	1	30.00	0.90	0.075	2.03			
	1	10.00	0.90	0.075	0.68			
H-870m to 888m	1	18.00	1.50	0.075	2.03			
H-1000m to 1048m	1	7.00	3.75	0.075	1.97			
	1	5.00	3.75	0.075	1.41			
	1	30.00	0.90	0.075	2.03			
	2	6.00	1.50	0.075	1.35			
H-1040m to 1090m	1	50.00	3.75	0.075	14.06			
H-1350m to 1357m	1	7.00	3.75	0.075	1.97			
H-1400m to 1418m	1	18.00	3.75	0.075	5.06			
H-2880m to 2900m	1	20.00	1.50	0.075	2.25			
					37.07	cum	4990.80	185002.72
<b>VBM Grading 3</b>								
Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, and packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.								
H-20m to 28m	1	8.00	3.75	0.075	2.25			
H-80m to 120m	1	30.00	0.90	0.075	2.03			
	1	10.00	0.90	0.075	0.68			
H-870m to 888m	1	18.00	1.50	0.075	2.03			
H-1000m to 1048m	1	7.00	3.75	0.075	1.97			
	1	5.00	3.75	0.075	1.41			
	1	30.00	0.90	0.075	2.03			

# Restoration work of road from Harna to Itwa

Sl No	Item of work	Nos	Length	width	Height	Quantity	unit	Rate	Amount
		2	6.00	1.50	0.075	1.35			
	CH-1040m to 1090m	1	50.00	3.75	0.075	14.06			
	CH-1350m to 1356m	1	6.00	3.75	0.075	1.69			
	CH-1400m to 1418m	1	18.00	3.75	0.075	5.06			
	CH-2880m to 2900m	1	20.00	1.50	0.075	2.25			
						36.79	cum	4921.00	181031.29
									1488595.28

*[Signature]*  
18/12/20  
Junior Engineer  
RWD(W) Dariyapur

*[Signature]*  
18.12.20  
Assistant Engineer  
RWD(W) sub division  
Dariyapur

*[Signature]*  
18/12/20  
Executive Engineer  
RWD(W) DiV Sonpur