



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR REPAIRING OF ROAD
F.D.R. PART - A (2024-25)

For F.D.R. Motorable Work
Year 2024-25

DISTRICT :	BHAGALPUR	BLOCK :	Pirpanti
PROJECT ID : 20703202092			
NAME OF ROAD :	PIRPAINTI - NANDI GOBINDI		
Cost of Road Motorable work	:	60.127 60.128	Lakh
Drone Photograpy @ 5000/ per Stage + Still Photography of Damaged and Restoration Work. 5500 =15000+5500 = 20500/- Per Site	:	0.205	Lakh
Total Cost	:	60.127 60.333	Lakh

SUBMITTED BY
The Executive Engineer
Rural Works Department
Works Division, Kahalgaon

GENERAL ABSTRACT OF COST

Name of Road : PIRPAINTI - NANDI GOBINDI

District : BHAGALPUR

Length of Road : 5.00 Km

Block : Pirpainti

PROJECT ID : 20703202092

Sl. No	Particulars	Details	Total Cost (in Rs.)
A	Cost of Road Motorable work	:	60,12,790.00 59,68,040.00
B	Drone Photograby @ 5000/ per Stage + Still Photography of Damaged and Restoration Work. 5500 = 15000 + 5500 = 20500/- Per Site	:	20,500.00
	Total Cost of Restoration work	:	60,33,290.00 60,12,790.00 59,88,540.00
		Say, Rs in Lakh	60.127 60.332 59.885

J. E.

A. E.
15.11.2024
PPT

E. E.
15/11/24

Post facto technically sanctioned for Rs. 60.127 lakh (Rupees sixty lakh twelve thousand seven hundred) only.

Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

15/11/24

ESTIMATE FOR ROAD RESTORATION WORK

Name
of
Road: **PIRPAINTI - NANDI GOBINDI**

Block **Pirpainti**

District: **BHAGALPUR** Length : **5.000** KM

Sl. No.	Description	No	Length (M)	Width (M)	H/D (M)	Qty.	Unit	Rates (in Rs.)	Amount (in Rs.)
1	Providing brick bats including spreading laying hand packing and compacting with C.I. Hammer in layers not exceeding 75 mm thick including cost of light, barriers, danger signals, chowkidar, taxes, royalty etc. all complete job as per specification and direction of E/I excluding carriage cost of bricks.								
	As per attached "Annexure - A"					1610.54		2787.68	4482670.00
						1610.54	cum	2878.00	4635140.00
2	Filling Stone Screening over Brick bats Providing Stone Screening and labour including carriage, laying, filling etc. all complete job as per specification and direction of E/I.								
	As per attached "Annexure - B"					49.69			
						49.69	Cum	1348.00	66,984.00
3	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row								
	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry								
	As per attached "Annexure -C"	6	2.50			15.00			
						15.00	Rm	7898.00	1,18,470.00
4	Providing sand bag with sand and labour including carriage, laying, filling etc. all complete job as per specification and direction of E/I.								
	As per attached "Annexure -D"					21786.00		57.26	1247466.00
						21786.00	Bags	48.53	10,57,246.00
5	Supply of front end loader 1.0 cum Bucket Capacity including driver and fuel for Brick bats filling, laying etc. all complete job as per specification and direction of E/I.								
	9 days					55.00			
						55.00	Hrs.	1180.00	64,900.00
6	Supply of 8-10 tonne Smooth wheeled roller including driver and fuel for Brick bats filling, laying etc. all complete job as per specification and direction of E/I.								
	3 days					23.00			
						23.00	Hrs.	1100.00	25,300.00
Total Cost of Flood Protective work =									59,88,040.00

60,12,790.00

J. E.

A. E. 03.11.2014
PPT

E. E.

PIRPAINTI - NANDI GOBINDI

Annexure - A

Brick-Bats Details

Chainage (in Meter)	Description	No.		Length (in m)		Width (in m)		Depth (in m)		Qty (in Cum)	Remarks
1000m	Washout	1	x	11.00	x	$7+7.2+6.8$ 3	x	$1.50+1.40+1.60$ 3	=	115.50	
		1	x	6.00	x	7	x	2.15	=	63.00	
		1	x	4.00	x	5	x	1.25	=	26.00	
3500	Raincut	1	x	20.00	x	$2.0+1.90+2.10$ 3	x	$1.90+2.0+2.25$ 3	=	82.00	
	Washout	1	x	22.50	x	$6.20+6.50+6.0$ 3	x	$2.25+1.90+1.85$ 3	=	280.50	
4000	Washout	1	x	28.00	x	$6.50+6.50+7$ 3	x	$1.80+2.25+1.90$ 3	=	370.22	
	Rain Cut Both Side	2	x	19.20	x	$1.0+0.90+0.80$ 3	x	$1.9+1.8+1.5$ 3	=	29.95	
3500	Washout	1	x	16.60	x	$5.6+5.35+5.40$ 3	x	$1.45+1.30+1.25$ 3	=	120.63	Re-restoration
Total Qty										1087.80	
	Less (-) for Pipe	1	x	9.00	x	$\pi/4$	x	$(1.23)^2$	=	26.75	
Total Qty (A) (after Deduction)										1061.05	
4100	Washout	1	x	31.00	x	$4.5+5.3+6.5$ 3	x	$1.2+2$ 2	=	269.49	2nd Phase
	Washout	1	x	35.00	x	3.75	x	$0.5+1.10$ 2	=	105.00	2nd Phase
	Washout	1	x	35.00	x	$1+3$ 2	x	2.50	=	175.00	2nd Phase
Total Qty (B)										549.49	
Total Qty (A + B)										1610.54	

Stone Screening

Annexure - B

Chainage (in Meter)	Description	No.		Length (in m)		Width (in m)		Depth (in m)		Qty (in Cum)	Remarks
	over Brick bats	1	x	11.00	x	4.50	x	0.075	=	3.71	
	over Brick bats	1	x	6.00	x	4.50	x	0.075	=	2.03	
	over Brick bats	1	x	4.10	x	4.50	x	0.075	=	1.38	
	over Brick bats	1	x	22.50	x	4.50	x	0.075	=	7.59	
	over Brick bats	1	x	28.00	x	4.50	x	0.075	=	9.45	
	over Brick bats	1	x	6.00	x	2.00	x	0.075	=	0.90	
	over Brick bats	1	x	6.20	x	3.00	x	0.075	=	1.40	
	over Brick bats	1	x	16.60	x	3.75	x	0.075	=	4.67	
Total Qty (A)										31.13	
	over Brick bats	1	x	31.00	x	3.75	x	0.075	=	8.72	
	over Brick bats	1	x	35.00	x	3.75	x	0.075	=	9.84	
Total Qty (B)										18.56	
Total Qty (A + B)										49.69	

1000mm Dia Hume Pipe

Annexure - C

Chainage (in Meter)	Description	No.		Length (in m)		Qty (in M)	Remarks
	over Brick bats	x	6.00	x	2.50	=	15.00
Total Qty						15.00	

for
25.11.24

11/11/24
EF.