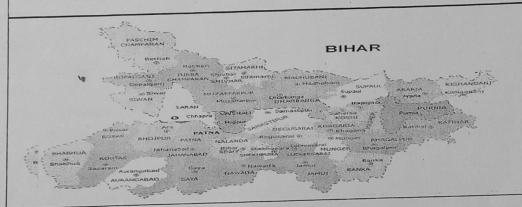# ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT
Govt. of Bihar

FDR(Motorable)

Estimate for Motorable of Road fromKorwan Ghana Bigha Road to Parbigha Via Aharapar in Nalanda District.

BIHAR

Name of the Road :-

Korwan Ghana Bigha Road to Parbigha Via Aharapar

DISTRICT	:	NALANDA	
DIVISION	:	HILSA	
BLOCK	:	HILSA	
TOTAL COST OF CONSTRUCTION	:	4.136	Lac
TOTAL COST OF PROJECT	:	4.136	Lac

3.545 l

SUBMITTED BY
RURAL WORKS DEPARTMENT
WORKS DIVISION-HILSA

25.10.201
J-E.

22/10/21

NSPECTION REPORT FOR FLOOD DAMAGE WORK

e :

1. Name of PIUS   :- E.E. R.W.D. HILSA
2. Name of Block/Road   :- HILSA

or Road : Koswan Ghana Bisha Road to Packigha Via Ahasapar

1. Damage Location/Change :-
2. Damage Length   :- 26.9 m
3. Nature of Damage   :-
4. Details of Restoration Works :-
   i. Material Being used in Restoration works :- Briekbah
   ii. Equipment's / Tools being used in Restoration works :- Tractor trolly. J.C.B. Roller
   iii. Procedure taken up in restoration works :- Mechanically & manually
   iv. Restored Length :- 26.9 m

or 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 :-

equirement of New CD/Bridge :

   i. Name of Road :-
   ii. Location Chainage :-
   iii. Type of CD work/Length required :-

- Upload one photograph of damaged portion if available
-

- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode.

05.12.2021   9/12/21

JE   AE   EE   Executive Engineer
                                                Rural Works Department
                                                Works Division, Rajgir

(The work is satisfactory.

Measurements:

(1) $10 \text{ m} \times 4.1 \text{ m} \times \dfrac{2.40 + 3.90 + 2.70}{3}$ m

$= 10 \text{ m} \times 4.1 \text{ m} \times 3.0 \text{ m} \quad = 123.00 \text{ m}^3$

(2) $2.90 \text{ m} \times \dfrac{1.10 + 1.60 + 1.40}{3} \times 1.3$ m

$= 2.90 \text{ m} \times 1.367 \text{ m} \times 1.3 \text{ m} = 5.150 \text{ m}^3$

(3) $8.50 \text{ m} \times \dfrac{1.3 + 1.80 + 2.20}{3} \times \dfrac{2.10 + 1.9 + 1.8}{3}$

$= 8.50 \text{ m} \times 1.767 \text{ m} \times 1.933 \text{ m} = 29.030 \text{ m}^3$

(4) $5.50 \text{ m} \times \dfrac{2.8 + 2.70 + 2.90}{3} \times \dfrac{2.50 + 2.40 + 2.60}{3}$

$= 5.50 \text{ m} \times 2.8 \text{ m} \times 2.5 \text{ m} = 38.500 \text{ m}^3$

Amit
09/12/24

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :   Korwan Ghana Bigha Road to Parbigha Via Aharapar

DISTRICT   NALANDA
BLOCK   HILSA
DIVISION   HILSA

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	BRICK BATS	354 500~~500~~
		~~413588.000~~
	Total	~~413588.000~~
	TOTAL COST IN LACS =	~~4.136~~
	TOTAL COST OF PROJECT IN LACS =	~~4.136~~

3·545 Lacs

Rama
2ण-10-20२
JE
RWD

(signature)
27/10/21
AE
RWD

27/10
EE
RWD

Total – 3·545 Lacs

Technically approved for Rs...........................

(Rupees...

....)

Condition and direction laid down in attached
technical notes with DPR is be followed Strictly

S. E.
RWD
Work Circle Nalanda

Technically Sanctioned for Rs. 3 54 5 00=00

(Rupees Three Lacs Fitty Four Theusand
Five Hundred only)
Condition and dire   attached
technical notes with   Strictly.

Akumar
24/12/2021
S. E.
RWD
Work Circle Nalanda
22/12/2021

Estimate for Motorable of Road fromKorwan Ghana Bigha Road to Parbigha Via Aharapar in Nalanda District.

Name of Road			Korwan Ghana Bigha Road to Parbigha Via Aharapar								
Sl. No.			Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
			SUB HEAD : EARTHWORK, BRICKS BATS, SAND FILLING								
1			**Construction of Bricks Bats**		-						
			Supplying Brick bats with carriage at site including labour cess , GST and seignorance fee (excluding over head and CP)						167.725 ~~195.680~~	1,201.00	201437=~ ~~2,35,012.00~~
				cum							
2			Carrige for Brick bats including labour cess & GST (excluding over head and CP)	No					167.725 ~~195.680~~	564.910	94749=~ ~~1,10,542.00~~
3			Supplying unskilled labour for Brick bats and laying 600 mm dia for spreading and levelling brick bats including labour cess & GST (excluding over head and CP)	No					177.788 ~~207.421~~	328.00	58314=~ ~~68,034.00~~
											< 4,13,588.00

27.10.2021
AE
RWD

27/10/21
AE
RWD

27|10   354500=
EE
RWD

Name of Road	Korwan Ghana Bigha Road to Parbigha Via Aharapar
Block	HILSA
District	NALANDA

Calculation of Brick Bats

Sl.No	Lenth (m)	Width(in)	Thickness (m)	Qty. (Cum)
1	5.50	2.800	2.500	38.500
2	8.50	1.767	1.933	29.030
3	10.00	4.100	3.000	123.000
4	2.90	1.367	1.300	5.150
			Total	195.680

25.10.21
JE

27/10/21
A.E

27/10
E.E

09/12/21

Quantity after deduction of voids $195.680 m^3 \times \frac{12}{14} = 167.725 m^3$

9/12/21
AE

09.12.2021
JE

Analysis for Carriage by Road(By Tractor)

Name of Road:-- Korwan Ghana Bigha Road to Parbigha Via Aharapar
District:- NALANDA   Block :- HILSA

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km											Loading & Unloading Cost	Carriage Cost by Rail Head	Total
				Pucka / Surface						Katcha							Rs. 499.92
1	Brick bat	Cum	Local	$\frac{3.60}{2.25}$	x	22.24	x	7.00 Km	= Rs 249.09	$\frac{3.60}{2.25}$	x	27.78	x	1.00 Km	= Rs 44.46	206.37	0.00	

Carriage Including GST and Labour Cess For Brick Bats   564.9096

(signature) 25/10/21
JE
RWD

(signature) 27/10/21
AE
RWD

(signature) 27/10
EE
RWD