



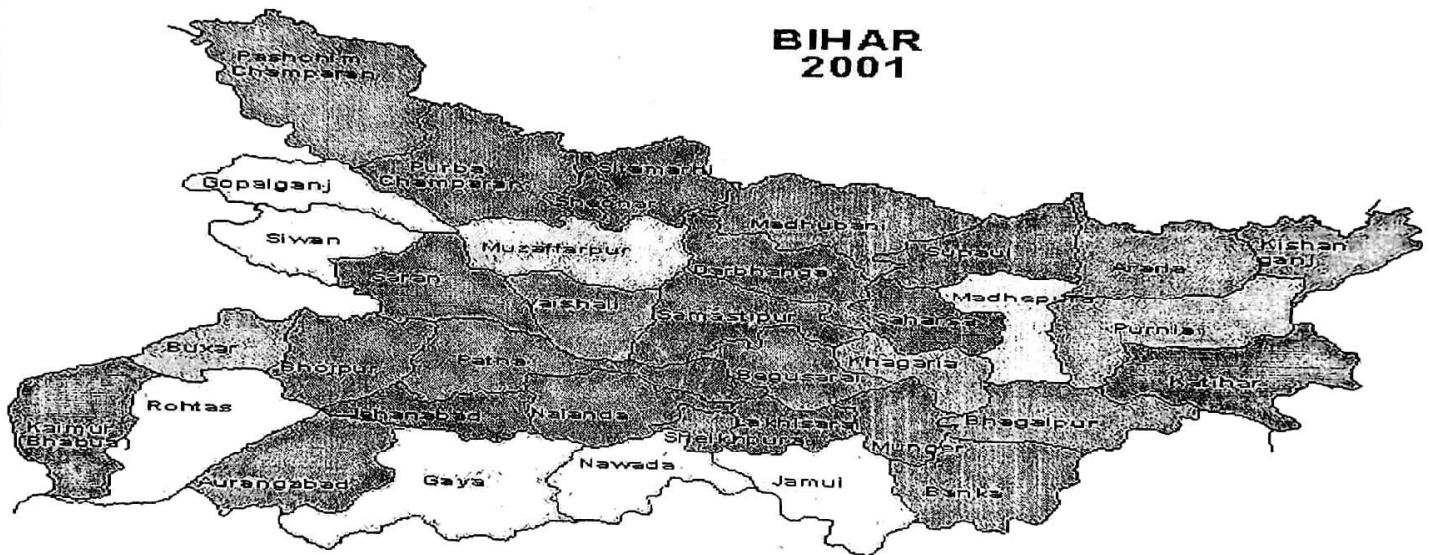
ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

BIHAR RURAL ROADS PROJECT

Bihar Rural Road Development Agency (BRRDA)

ESTIMATE FOR MOTORABLE OF ROAD FROM NH-82 TO BIDUPUR UNDER FDR AT BLOCK- SILAO IN NALANDA DISTRICT



DISTRICT :	NALANDA	BLOCK :	SILAO
NAME OF ROAD :	NH-82 TO BIDUPUR		
TOTAL LENGTH IN KM.	:	0.620	KMS
DAMAGE LENGTH	:	0.0500	KMS
TOTAL CONSTRUCTION COST	:	6.924	Lakhs
		5.565	Lakhs

SUBMITTED BY:

EXECUTIVE ENGINEER

RWD (W) DIVISION, RAJGIR

NALANDA

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INSPECTION REPORT FOR FLOOD DAMAGE WORK

Date :

1. Name of PIUS :- R.W.D. Works Division Patna.
2. Name of Block/Road :- Silao / N.H. 82 to Bidupur.

A. For Road :

1. Damage Location/Change :- 470-520
2. Damage Length :- 50.00 M
3. Nature of Damage :- Partially Breach in road.
4. Details of Restoration Works :-
 - i. Material Being used in Restoration works :- Brick Bats and Local S
 - ii. Equipment's / Tools being used in Restoration works :- Tractor, J.C.B. Pelli
 - iii. Procedure taken up in restoration works :- Mechanically and Manual
 - iv. Restored Length :- 50.00 M

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 :-

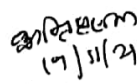
C. Requirement of New CD/Bridge :

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

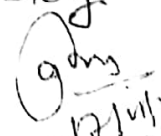
- Upload one photograph of damaged portion if available
- Attach minimum two photograph (during restoration & after restoration) photographs should be Geotags and at least one photo be captured in selfie mode. Work is satisfactory.

Signature of


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AE


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Executive Engineer
R.W.D. Work Divisi
Biharsharif

FDR

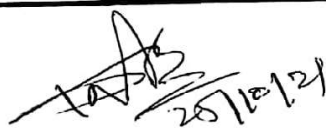
GENERAL ABSTRACT OF COST

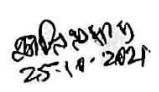
Block:-- SILAO

District:- NALANDA

Total Length of Road:-- 0.620 KM
Damage Length:-- 0.050 KM
Name of Road:-- NH-82 TO BIDUPUR

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION	5.565 6.924 Lacs
	TOTAL PROJECT COST (A)	5.565 6.924 Lacs


Junior Engineer


Asstt. Engineer


Executive Engineer

SE
RWD

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

NAME OF ROAD : NH-82 TO BIDUPUR

DISTRICT NALANDA
BLOCK SILAO
DIVISION RAJGIR
LENGTH OF ROAD 0.620 km
DAMAGE LENGTH 0.050 km

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL	
1	Supplying, Filling, Spreading & Compacting of Brick Bats With Local Sand at work Site	5.565 6.924
2	SAND BAG	0.000
SUB TOTAL(A) =		6.924
TOTAL COST OF PROJECT (including GST & Labour Cess) IN LACS =		5.565 6.924

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Total = 5.565
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Technically Sanctioned for Rs. 5,56,500.00

(Rupees... Five... lac... Fifty... Six... lac... Five...
Hundred... only...)

Condition and direct... in attached
technical notes with... Study.

Certified copy

[Signature]
24/12/2021
अधोक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल (नालन्दा)
23/12/2021

5/-

S. E.
RWD
Work Circle Nalanda

NH-82 To Bidupur

Name of Road NH-82 To Bidupur

Sl. No.	Description	Unit	MOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs)
	SUB HEAD : EARTHWORK, BRICK BATS, SAND FILLING								
1	Construction of Bricks Bats								
	Supplying Brick bats at site including labour cess, GST and seigniorance fee (excluding over head and CP)								
		cum					235.710	1,200.00	2,82,852.00
2	Carriage for Brick bats including labour cess & GST (excluding over head and CP)	cum					235.710	560.887	1,32,207.00
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					249.853	329.96	82,490.20
							249.853		82,490.20
							A) Sub Total		4,97,550.00
	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS								
4	Supplying Sand with Carriage at site including labour cess, GST and seigniorance fee (excluding over head and CP)	Cum					58.920	340.000	20,033.60

Sl. No.	Description	Unit	NGS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (IN RS.)
5	Supplying unskilled labour for Sand bag including labour cess & GST (excluding over head and CP)	No					118 ¹¹⁸ 117.840	329.96	38935.00 39882.00 58968.00
B) SUB TOTAL =									58968.00
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F)=									556517.00
IE <u>25/05/2012</u> <u>25/05/2012</u> <u>25/05/2012</u> RWD RWD RWD EE <u>556517</u>									

NH-82 To Bidupur

Name of Road:- NH-82 To Bidupur
District:- NALANDA

Block :- Rahui

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km										Landing & Unloading Cost	Carriage Cost by Rail Head	Total *	
				Pucka / Surface					Katcha								
1	Brick bat	Cum	Local	3.60	x	21.36	x	7.00 Km	=	Rs 239.27	3.60	x	26.69	x	1.00 Km	=	Rs 42.70
				2.25						2.25							

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Carriage Including GST and Labour Cess
For Brick Bats

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SDB No.	MOR No.	DESCRIPTION	Unit	Quantity	Rate	Amount
14 RCD		Loading and Unloading of brick bats with tractor				
		Unit=cum				
		Taking output= 2.25 cum				
		Time required for				
		i) Positioning of tipper at loading point		1 Min		
		ii) Loading by front end loader 1 cum bucket capacity @ 25 cum per hour		5 Min		
		iii) Maneuvering, reversing, dumping and turning for return		0 Min		
		iv) Waiting time, unforeseen contingencies etc		6 Min		
		Total				
		a) Labour				
		Male	day	0.03	418.1	12.543
		Mazoor for loading and unloading	day	0.72	329.98	237.571
		b) Machinery				
		Tractor 3.60 tonne capacity	hour	0.1	680	68.000
		Front end loader 1cum bucket capacity @25 cum/hour	hour	0.083	1650	136.950
		c) Overhead charges @ 0.06 on (a+b)				27.304
		d) contractor profit @ 0.0 on (a+b+c)				0.000
		Cost for 2.25 cum= (a+b+c+d)				482.388
		Rate per cum= (a+b+c+d)/2.25				214.388
	Note	Unloading will be done manually				
14 RCD		Cost of Haulage Excluding loading and unloading				
		Haulage of material by Tractor excluding cost of loading, unloading and stacking.				
		Unit= t.km				
		Taking output 3.60 tonnes load and lead 10 km= 36.0 t.km				
	i)	Surface Road				
		Speed with load : 15 km/hour				
		Speed while Returning empty : 25 km/ hour				
		a) Machinery				
		Tractor 3.6 tonne capacity				
		Time taken for onward haulage with load	hour	0.687	680.00	463.580
		Time taken for empty return trip	hour	0.4	680.00	272.000
		Total				725.580
		b) Add overhead charges @0.06				43.534
		c) Add contractor profit @0.0				0.000
		Cost for 36 t.km = a+b+c				769.094
		Rate per t.km = (a+b+c)/36				21.364
	ii)	Unsurface Graveled Road/ Katcha				
		Speed with load : 12 km/ hour				
		Speed for empty return trip: 20 km/ hour				
		a) Machinery				
		Tractor 3.6 tonnes capacity				
		Time taken for onward haulage with load	hour	0.833	680.00	563.440
		Time taken for empty return trip	hour	0.5	680.00	340.000
		Total				906.440
		b) Add overhead charges @0.06			cum	54.386
		c) Add contractor profit @0.0				0.000
		Cost for 36 t.km = a+b+c				960.826
		Rate per t.km = (a+b+c)/36				26.690

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Brick Bats

Sl. No.	Km	No.	Length	Width	Depth	Volume	Remarks
1	470-520m	1	50.00	2.00 (avg)	2.75 (avg)	275 412.50	
		Total	50			275 412.50	

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Qty. after deduction of voids.

$$\frac{12}{14} \times 275 = 235.71 \text{ M}^3$$

Local Sand

$$235.71 \times 25\% = 58.92 \text{ M}^3$$

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A.E

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25/10/21
E.F

SI	Material / Labour / Machinery	Unit	Basic Rate	Carriage Rate	Sub Total	GST @ 12%	Labour Cess @ 1%	Seigniorage @ 10%	Grand Total
1	Empty Cement Bag	No.	7.72		7.72	0.93	0.08		8.72
2	Brick Bats	Cum	987.00	297.87	1284.87	154.18	12.85	98.70	1550.60
3	Local Sand	Cum	141.85	156.55	298.40	35.81	2.98	14.19	351.38
4	Mate	Day	310.00		310.00	37.20	3.10		350.30
5	Mazdoor Skilled	Day	370.00		370.00	44.40	3.70		418.10
6	Mazdoor Unskilled	Day	292.00		292.00	35.04	2.92		329.96
7	Tractor Mounted Grader	Hour	629.00		629.00	75.48	6.29		710.77
8	Tractor With Retrovater	Hour	697.00		697.00	83.64	6.97		787.61
9	Water Tanker 6 kl	Hour	184.00		184.00	22.08	1.84		207.92
10	8-10 Smooth Wheeled Roller	Hour	803.00		803.00	96.36	8.03		907.39
11	Tipper	Hour	1183.00		1183.00	141.96	11.83		1336.79
12	Truck	Hour	934.00		934.00	112.08	9.34		1055.42
13	Front End Loader	Hour	1403.00		1403.00	168.36	14.03		1585.39
14	Crane 3.5 T	Hour	909.00		909.00	109.08	9.09		1027.17

अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, नालन्दा।

पत्रांक 454-330

नालन्दा, दिनांक:- 19/6/21

प्रेषक

अधीक्षण अभियंता
ग्रामीण कार्य विभाग,
कार्य अंचल, नालन्दा।

सेवा में,

कारापालक अभियंता,
ग्रामीण कार्य विभाग
कार्य प्रमंडल, राजगीर।

विषय:- Short Notice No. RWD/FDR/Nalanda/01(2021-22) के तहत आमंत्रित कोटेशन अन्तर्गत कार्य प्रमंडल, राजगीर में न्यूनतम दर दाता के साथ एकरारनामा करने हेतु प्रेषित।

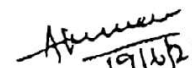
महाशय,

प्रासांगिक विषय के संबंध में कहना है कि कोटेशन के माध्यम से आमंत्रित निविदा में तकनीकी विवरणी एवं वित्तीय विवरणी में सफल एवं न्यूनतम दर दाता आशा बिल्डकॉम प्रा० लिमिटेड घोषित किए गए हैं। इनके द्वारा उद्धृत न्यूनतम दर इस पत्र के साथ संलग्न कर भेजी जा रही है।

अतः आपको 03 (तीन) दिनों के अंदर एकरारनामा करने हेतु निदेश दिया जाता है। साथ-ही-साथ अन्य संवेदक अगर इसी न्यूनतम दर पर कार्य करने हेतु ईच्छुक हों, तो उन्हें भी सूचीबद्ध कर ली जाये, ताकि भविष्य में आवश्यकता पड़ने पर उनसे काम लिया जा सके।

अनु०-यथोक्त।

विश्वासभाजन


अधीक्षण अभियंता
ग्रामीण कार्य विभाग,
कार्य अंचल नालन्दा।


19/6/21

II. LABOUR work Division-Rajgir

Sl.n	Type	Output	Unit	Lowest Bidder (Asha Build Com Pvt.Ltd)	Amount In Word.
1	Unskilled Labour	110 cft. Soft Earth	Each	329.96	Three Hundred Twenty Nine Rupees Ninety Six Paise.
2	Semi Skilled Labour		Each	340.00	Three Hundred Forty Rupees
3	Skilled Labour		Each	418.10	Four Hundred Eighteen Rupees Ten Paise.
4	Mason		Each	395.00	Three Hundred Ninety Five Rupees.
5	Head Mason		Each	445.00	Four Hundred Forty Five Rupees Twenty Paise.
6	Bhisti		Each	329.96	Three Hundred Twenty Nine Rupees Ninety Six Paise.
7	Carpenter		Each	395.00	Three Hundred Ninety Five Rupees
8	Head Carpenter		Each	445.00	Four Hundred Forty Five Rupees
9	Night Guard		Each	340.00	Three Hundred Forty Rupees.
10	Electrician		Each	420.00	Four Hundred Twenty Rupees

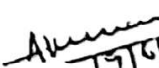

 19/6/2021
 अधीक्षण अभियंता
 ग्रामीण कार्य विभाग,
 कार्य अंचल, नालन्दा।


 19/6/21

III.TOOLS PLANTS & MACHINERIES WITH DRIVER & FUEL

Work Division-Rajgir

Sl.n	Description of Machine	Activity	Output of Machine	Output	Unit	Lowest Bidder (Asha Bulld Com Pvt.Ltd) Rate	Amount In Word.
1	Front End Loader 1.0 cum bucket capacity (JCB)	Soil Loading/Aggregate Loading	Cum/hour	60/25	Per Hour	1650.00	One Thousand Six Hundred Fifty Rupees
2	8-10 Ton Smooth Wheeled Roller	Compaction/Consolidation	Cum/hour	70/25	Per Hour	950.00	Nine Hundred Fifty Rupees
3	Tractor with Trolley	Transportation of Material	25 HP Capacity	3 to 5 Ton	Per Hour	680.00	Six Hundred Eighty Rupees
4	Tipper	Transportation of Material	Cum	5.5	Per Hour	44.44	Fourty Four Rupees Fourty Four Paise
5	Tractor with Tipper	Transportation of Material	25 HP Capacity	3 to 5 Ton	Per Hour	700.00	Seven Hundred Rupees
6	Generator Set	Generation of Electrical energy	KVA	5	Per Hour	4434.26	Four Thousand Four Hundred Thirty Four Rupees Twenty Six Paise


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 ग्रामीण कार्य विभाग
 कार्य अंचल, नालन्दा।