Detail of 'A'A

~~Construction Cost — Rs~~

Vide Letter No — BRRDA (HQ) MMGSY - 139/18 - 233

Dated 08.03.22

Construction cost = Rs 172.613 Lacs

5 year Maintenance cost = Rs 9.061 Lacs

Contingency cost = Rs 3.408 Lacs

Land Acquisition cost = Rs 140.00 Lacs

Total Rs 325.080 Lacs

Detail of T.S (length - 1.33 km)

Construction cost Rs 206.925 Lacs

5 year Maintenance cost Rs 10.567 Lacs

Total cost Rs - 217.492 Lacs

(Increase 19.71%)

T.S. No.- III-568/22-23 dt- 20.3.2023

Ref. SE Letter No- 233 dt- 20.3.2023

Technically Sanctioned for Rs. 217.492 Lakh

(Rupees Two Crore Seventeen Lakh

Forty Nine Thousand Two Hundred) only.

Technically sanction does not mean sanction

of rate Instruction given in technical note

should be followed strictly.

20/3/2023

Assistant Engineer

C.E-2 Office, R.W.D

Patna

11/3/23

Chief Engineer-2

Rural Works Department

Patna

SUMMARY OF COST ESTIMATE FOR …

CNCPL NO: 92(S019)

NAME OF ROAD: NH 106 To Kanika Manika Tol…

DISTRICT: Madhepura

BLOCK: Gwalpara

LENGTH OF ROAD (in Km): 1.330

LENGTH OF BT PAVEMENT: 450

LENGTH OF CC PAVEMENT: 880

CD STRUCTURES

HUME PIPE: 0

300 mm Utility Pipe: 4

BOX CELL CULVERT: 3

Sl. No.	DESCRIPTION
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTL…
2	EARTHWORK
3	GSB
4	WBM GRADE II
5	WBM GRADE III
6	PRIME COAT
7	TACK COAT
8	MSS
9	SEAL COAT Type 'B'
10	SURFACE DRESSING (In Dubble Coat)
11	CC PAVEMENT
12	Cell Fill Roller Compacted Concrete Pavement
13	HARD SHOULDERING
14	SIDE DRAINS
15	PROTECTION WORKS
16	COST OF RAMP
17	ROAD FURNITURES , KM STONES , TRAFFIC & DIREC… LOGO
18	TREE PLANTATION
	SUB TOTAL OF PAVE…
18	CROSS DRAINAGE STRUCTURES
I	HUME PIPE
II	RCC
III	BOX
IV	Utility Pipe (300 mm Dia)
V	DISMANTLING OF CD
VI	REPAIR OF CD WORK
	SUB TOTAL OF CD STRU…
	18% …
	Seigniorage
	Total Constriction Cost (including GSt…
	Total Cost of 5 years M…
	18%
	Add Contingency Charges @ 2.25% (IN LA…
	TOTAL COST OF PROJECT IN LACS(including GST 18%…

Junior Engineer 11/03/23

RWD (w)Section , Gwalpara

Assistant Engineer 11/03/23

RWD (w)Sub Division , …

SUMMARY OF COST ESTIMATE FOR THE PROJECT

CNCPL NO	92(S019)
NAME OF ROAD :	NH 106 To Kanika Manika Tola
DISTRICT	Madhepura
BLOCK	Gwalpara
LENGTH OF ROAD (in Km)	1.330
LENGTH OF BT PAVEMENT	450
LENGTH OF CC PAVEMENT	880
CD STRUCTURES	
HUME PIPE	0
300 mm Utility Pipe	4
BOX CELL CULVERT	3

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.783
2	EARTHWORK	13.350
3	GSB	19.487
4	WBM GRADE II	0.000
5	WBM GRADE III	13.265
6	PRIME COAT	1.049
7	TACK COAT	0.358
8	MSS	4.487
9	SEAL COAT **Type 'B'**	0.000
10	SURFACE DRESSING (In Dubble Coat)	0.000
11	CC PAVEMENT	48.435
12	Cell Fill Roller Compacted Concrete Pavement	0.000
13	HARD SHOULDERING	2.197
14	SIDE DRAINS	0.000
15	PROTECTION WORKS	0.000
16	COST OF RAMP	
17	ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, PMGSY LOGO	3.955
18	TREE PLANTATION	0.562
	SUB TOTAL OF PAVEMENT COST IN LACS =	**107.927**
18	**CROSS DRAINAGE STRUCTURES**	
I	HUME PIPE	0.000
II	RCC	0.000
III	BOX	63.679
IV	Utility Pipe (300 mm Dia)	0.423
V	DISMANTLING OF CD	0.000
VI	REPAIR OF CD WORK	0.000
	SUB TOTAL OF CD STRUCTURES COST IN LACS =	64.101
	Sub Total` :--	**172.029**
	18% GST on Total Amount :--	**30.965**
	1% Lab Cess :--	**1.720**
	Seigniorage Fee @ 10% on Material	**2.210**
	Total Constriction Cost (including GSt and Labour Cess) (A) :--	**206.925**
	Total Cost of 5 years Maintenance (IN LACS) :--	**8.575**
	18% GST on Total Amount :--	**1.544**
	1% Lab Cess :--	**0.086**
	Seigniorage Fee @ 10%	**0.363**
	Total (B) :--	**10.567**
	Add Contingency Charges @ 2.25% (IN LACS) on Cont. Cost (C)= :--	**3.871**
	PRIVATE LAND :--	**140.000**
	TOTAL COST OF PROJECT IN LACS(including GST 18% & 1% Lab Cess)(A+B+C) :--	**361.363**

11/03/23 | 11/03/23 | 11/3

Junior Engineer
RWD (w)Section , Gwalpara

Assistant Engineer
RWD (w)Sub Division , Gwalpara

Executive Engineer
RWD (w)
Division,Udhakisanganj

Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
39	Approch slab(M 30) : Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 RCC M-30 Grade	CUM	37.80	11617.12	439127.23
40	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 ans 1204. (M15 (PCC 1:2.5:5)	CUM	18.90	6804.78	128610.34
	300MM Irrigation Pipe				
41	Providing and laying of a reinforced cement concrete pipe duct,300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills,constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997,bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	RM	40.00	979.96	39198.28
				Total	15406448.3
				GST 18%	2773160.7
				L.C 1%	154064.5
				Seigniorage Fee @ 10%	207208.8
				Total Construction(A)	18540882.3
42	1st Year Maintenance cost	Year	1.00	39428.00	39428.0
43	2nd Year Maintenance cost	Year	1.00	50286.00	50286.0
44	3rd Year Maintenance cost	Year	1.00	315003.00	315003.0
45	4th Year Maintenance cost	Year	1.00	88118.00	88118.0
46	5th Year Maintenance cost	Year	1.00	344529.00	344529.0
				Total	837364.0
				GST 18%	150725.5
				L.C 1%	8373.6
				Seigniorage Fee @ 10%	32091.5
				Total Maintenance (B)	1028554.7
	Grand Total Cost (A+B)				19569436.9

BOQ Approved for Rupees 1,95,69,437:00; In words
One corer Nintyfive lakhs Sixty nine thousand Four
hundred & Thirty Seven Rupees only / ann Seri/no 11046

09.01.25