GOVERNMENT OF BIHAR DETAILED PROJECT REPORT



AMPARK NISCHAY YOJANA

VOLUME - I

ASHOK KUMAR. ANIL KR-SINGH

DISTRICT: ARARIA BLOCK: NARPATGANJ HOUSE OF RAMCHANDRA YADAV TO HOUSE OF ANIL NAME OF ROAD: SINGH TOTAL LENGTH 1.750 KMS COST PER KM DST OF PAVEMENT (RS.) 127.08 LACS 72.62 D. OF CD WORK NOS. DST OF CDs (Rs.) 12.63 : 7.22 LACS TAL COST OF ROAD (Rs.) 139.71 LACS 79.83 AINTENANCE COST (RS.) 3.80 LACS 2.17 SUBMITTED BY The Executive Engineer, Works Division, Forbesganj

NIL HOUSE OF RAMCHANDRA YADAY TO HOUSE OF ANIL

Name of Road: Link No.

SI, No.

NO

15100

Restoration of rain cuts with soft, moonum gravel or a mixture of these, clearing the loose soft, benching for 300mm width

Restoration of Rain Cuts

Item of work

(M)

o Men

o 3 5

Quantity

Unit

Rate

Amount (Rs.)

Remarks

φ

the original alignment, level and slopes as per drawings and

compaction with plate compactor or power rammer to restore laying fresh material in layers not exceeding 250 mm and

106,000

2.25

0.25

59.06

gum

362.32

21399

Total 6 % raincuts for

1st year

selected soil)
Mexing up loss of millipriatitingularities on shoulders to the Inclinical sosuffications Clause 1902
Maintenance of Earthen shoulder (filling with fresh

lead of 1000 m. as per technical specification Clause 1903 compacting it with appropriate equipment at OMC upto a design level by adding fresh approved selected soil and

140,00

2.25

315,00

mpe

54.95

17309

maintenance for 1st otal 10% requiring

year

N

15.2(1)

For 1st year SSR Item

Length:

1.750 in (Km)

Block: NARPATGANJ

	-							Τ	T	T	Т	T	Т	_	Т	_
4	35		14	ಚ		r)	=			5	ď		a		1	4
	15.13		15.12(III)	15.12(II)		15.12(1)	5.11		0.70		15.8		15.7 (II)		10.7 (1)	4
	White washing two coats on parapet walfa and Iree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	White washing of parapet walls of CD work and tree truncks	Trimming of grass and weeds from the shouldersiberms and disposing off the same to suitable locations as per technical specifications Clause 1914	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914	Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914	Cutting of branches of trees shrubs and trimming of grass and weeds	Maintenance of 200 metre km stone by way of refting of titled stones repairing with cement mortar, cleaning, repairing and lettering on 200 metre km stone and 5th km stone as per drawing and technical specification Clause 1912	Maintenance of 200 metre and km stones	enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	Maintenance of road signs by way of cleaning and repainting of mandatory / requisitory / cautionary / informatory and place identifications sign board as perdrawings and technical specification Cleuse 1910	Maintenance of Road Signs	Marrienance of Stab type Culverts by way of clearing. Cleaning, Erosion repair, repairs to cracks, parapet wats and Protection works as per drawing and technical specification Clasue 1908	Maintenance of Culverts Slab type	Martienance of Hume pipe Culvert by way of Clearing. Cleaning. Erosion repair, repairs to cracks, parapet wall and protection work as per drawing and technical specification Clause 1908	Maintenance of Culverts	cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907.
			315.00	17.50	8.00		0.210		4.00	0.100						0.000
			3.75													
	59.04		1181.25	17.50	8.00		0.210		4,00	0.100		0.00		8		0.000
	aqm		sch w	No.	No.		× m		Per Cm height per letter	¥		8		8		RM
Total:	15.64		2.08	6.23	101.44		705.88		0.51	1,006.35		2,220.59		1,072.18		2.49
47667	923		2457	109	812		148		2	104		0		4289		۰
			Considering 18 % requiring maintenance for 1st year				Considering 12 % requiring maintenance for 1st year			Considering 10 % requiring maintenance for 1st year						

SI. No.		Item of work	Length (M)	Width (M)	D/H (M)	Quantity	Unit	Rate	Amount	Remarks
1_	2	3	4	5	6	7	8	9	10	11
		Restoration of Rain Cuts		-						
1		Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902	126.000	2.25	0.3	85.05	cum	362.32	30815	Total 7.2 % raincuts for 2nd year
. 2	15.2(1)	Maintenance of Earthen shoulder (filling with fresh selected soil)								
		Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903		2.25		472.50	sqm	54.95	25964	Total 12% requiring maintenance for 2nd year
6		Maintenance of Drains								
		The maintenance of drains include erosion, repair, clearing, cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907.	0.000			0.000	RM	2.49	0	

	68036	Total:-				-	\dashv	per technical specifications clause for a	+	
	923	15.64	sgm	59.04			88 18		15.13	35
								White washing of parapet walls of CD work and tree	1	
requiring maintenance for 2nd year	3071	2.08	Sqm	1476.56	05	393.75 3.75			15.12(III)	4
Considering 22.5 %	109	6.23	N _o	17.50		50	nd al 17.50		15.12(II)	ವ
	812	101.44	No.	8.00		8	to 8.00	Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914		
				T	-		-		15.12(1)	12
requiring maintenance for 2nd year	8	705.88	š	0.263		33	0.263		15.11	≐
Considering 15 %					-	-		Maintenance of 200 metre and km stones	1	
	2	0.51	Per Cm height per letter	4.00			4.00		10.1(0	6
requiring maintenance for 2nd year	1865	1,036.35	Km	1.800			1,800			
Considering 12.0 %							П		15.9	9
	0	2,220.59	8	0.00				Maintenance of Slab type Culverts by way of cleaning. Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical specification Classic 1908.		
	1	1	1					Maintenance of Culverts Slab type	15.7 (II)	8
	4289	1,072.18	N.	4.00						-
	-	-	-					7 (I) Maintenance of Culverts	157 M	7

	6		N		T		S.
	-				+	+	SI. No.
	15.6		15.2(0)	_ `	П		No.
The maintenance of drains include erosion, repair, clearing, cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907.	Maintenance of Drains	Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903	Maintenance of Earthen shoulder (filling with fresh selected soil)	restoration of rain cuts with soil, moorum gravel or a mixture of these, cleaning the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902	restoration of Main Cuts	Doctoration of Dairy	Item of work
0.000		245.00		147.000			(M)
		2.25		2.25		0	(M)
				0.3		o.	(M)
0.000		551.25		99.23		7	Quantity
RM		sqm		cum		8	Unit
2.49		54.95		362.32		9	Rate
0		30291		35953		10	Amount
		Total 14% requiring maintenance for 3rd year		Total 8.4 % raincuts for 3rd year		11	Remarks

	78004	Total:-							
	923	15.64	sqm	59.04			White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	15.13	5
							White washing of perapet walls of CD work and tree		
Considering 22.5 % requiring maintenance for 3rd year	3071	2.08	Sqm	1476.56	3.75	393.75		15.12(III)	4
	109	6.23	No.	17.50		17.50		15.12(11)	13
	812	101.44	N ₀	8.00		8.00	Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914		
								15.12(1)	12
requiring maintenance for 3rd year	222	705.88	š	0.315		0.315		15.11	=
200							Maintenance of 200 metre and km stones		
124	2	0.51	Per Cm height per letter	4.00		4.00		10.1()	6
requiring maintenance for 3rd year	2332	1,036.35	Š	2.250		2.250			
200								15.9	9
	۰	2,220.59	70	0.00					
							4	15.7 (II)	80
	4289	1,072.18	No.	4.00		0.00			
							(f) Maintanance of Culverts	15.7 (0)	7

SSR Item		Length	Width	모				
SI No No.	Item of work	3	<u>s</u>	3	Quantity	Unit	Rate	Amount
T	ca	4	On	6	7	8	9	10
Resto	Restoration of Rain Cuts	-	-					
15.1(A) Restor	Restoration of rain cuts with soil, moorum gravel or a mixture							
	of these, clearing the loose soil, benching for 300mm width							
laying t	laying fresh material in layers not exceeding 250 mm and	168,000	2 25	0.3	113.40	E 3	362.32	41087
compa	compaction with plate compactor or power rammer to restore							
the one	the original alignment, level and slopes as per drawings and							
technic	echnical specifications Clause 1902							t
2 15.2(I) Mainte	Maintenance of Earthen shoulder (filling with fresh							_
	d soil)							t
Making	Making up loss of material/irregularities on shoulders to the							
design	design level by adding fresh approved selected soil and	280 00	2 25		630.00	sqm	54.95	34619
compac	compacting it with appropriate equipment at OMC upto a	200.00						_
lead of	lead of 1000 m as per technical specification Clause 1903					-		1
6 15.6 Mainter	Maintenance of Drains					T		1
	The maintenance of drains include erosion, repair, clearing.							
cleaning	cleaning, reshaping, regrading, deepening of side drains as	0.000			0.000	RM	2.49	0
well as	well as catch water drains as per technical specification	0.000						
Clause 1907	1907.							ŀ

	87466	Total:-							\neg
	923	15.64	sqm	59.04			White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	15.13	
							White washing of parapet walls of CD work and tree		-
Considering 22.5 % requiring maintenance for 4th year	3071	2.08	sqm	1476.56	3.76	393.75	specifications Clause 1914 Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914	15.12(III)	_
	109	6.23	No.	17.50		17.50		15.12(11)	_
	812	101.44	No.	8.00		8.00	Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914		
								15.12(1)	N
requiring maintenance for 4th year	222	705.88	¥	0.315		0.315		15.11	=
Considering 18 %							Maintenance of 200 metre and km stones		
	N	0.51	Per Cm height per letter	4.00		4.00		10.1()	6
requiring maintenance for 4th year	2332	1,036.35	š	2.250		2.250		ě	
Considering 15.0 %							9 Maintenance of Road Signs	15.9	D
40	0	2,220.59	8	0.00		,	Maintenance of Stab type Culverts by way of clearing. Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical specification Cleans 1908		
							Maintenance of Culverts Slab type	15.7 (II)	8
	4289	1,072.18	No.	4.00		0.00			87
							(I) Maintenance of Culverts	15.7 (1)	

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	6			N	-		-	SI. No.
	15.6		(America)	1520	15.1(A)		2	No.
The maintenance of drains include erosion, repair, clearing, cleaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1907.	Maintenance of Drains	design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903	selected soil)	of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm:and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and sechnical specifications Clause 1902	Restoration of rain cuts with soil monorm crowd or a mid-	Restoration of Rain Cuts	3	Item of work
0.000		315.00		189.000		ŀ	4	8
		2.25		2.25			7	M
				0.3		0	1	
0.000		708.75		127.58		,	Quantity	
RM		sqm		cum		~	Unit	
2.49		54.95		362.32		9	Rate	
0	1	38946		46225		10	Amount	
		Total 18% requiring maintenance for 5th year		Total 10.8 % raincuts for 5th year		11		Romarks



	99053	Total:-							
	923	15.64	sqm	59.04			15.13 White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	15 15.1	_
	100						White warhing of parapet walls of CD work and tree truncks		
Considering 37.5 % requiring maintenance for 5th year	5119	2.08	sqm	2460.94	3.75	656.25	15.12(III) Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Claure 1914	14 15.12	
	109	6.23	No.	17.50		17.50	15.12(II) Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914	13 15.1	
	812	101.44	N _o	8.00		8.00	Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914		
							15.12(i) Cutting of branches of trees shrubs and trimming of grass and weeds	12 15.1	
Considering 24 % requiring maintenance for 5th year	296	705.88	Š	0.420		0.420	15.11 Maintenance of 200 metre km stone by way of refiting of tilted stones repairing with cement mortar, cleaning, repairing and lettering on 200 metre km stone and 5th km stone as per drawing and technical specification Clause 1912	11 15	
3							Maintenance of 200 metre and km stones		Г
	N	0.51	Per Cm height per letter	4.00		4.00	10.1(i) Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	10	
Considering 15.0 % requiring maintenance for 5th year	2332	1,036.35	Š	2.250		2.250	Maintenance of road signs by way of cleaning and repainting of mandatory / requiatory / cautionary / informatory and place identifications sign board as perdrawings and technical specification Clause 1910		
							15.9 Maintenance of Road Signs	9	
	0	2,220.59	no	0.00			Maintenance of Slab type Culverts by way of clearing, Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical specification Clasue 1908		
							15.7 (II) Maintenance of Culverts Slab type	8 15	П
	4289	1,072.18	N _O	4.00		0.00			
						_	13.7 (// Intelligenance of Culverts	-	Г

Year Wise Abstrct

Total (in Rs.) for the Project road= (F. 1) 61 H H B BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	Maintenance cost of Project road for the 5th year=	Maintenance cost of Project road for the 4th year=	Maintenance cost of Project road for the 3rd year=	Maintenance cost of Project road for the 2nd year=	Maintenance cost of Project road for the 1st year=
380111	99053	87466	78004	68036	47552