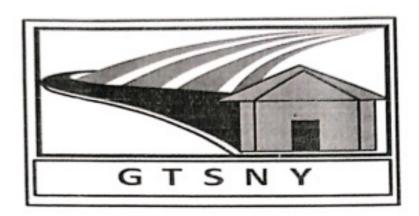
GOVERNMENT OF BIHAR DETAILED PROJECT REPORT

UNDER GRAMIN TOLA SAMPARK NISCHAY YOJANA



VOLUME - I

ASHOK KUMAR. ANHL KR SINGH

TRICT: NARPATGANJ ARARIA BLOCK: NEW BAJRANGI CHOWK TO HOUSE OF DEONANDAN AE OF ROAD: PASWAN 1.350 KMS COST PER KM TOTAL LENGTH 98.41 72.90 T OF PAVEMENT (RS.) LACS 2 NOS. OF CD WORK T OF CDs (Rs.) 13.38 LACS 9.91 111.79 82.81 AL COST OF ROAD (Rs.) LACS 2.12 NTENANCE COST (Rs.) 2.87 LACS SUBMITTED BY The Executive Engineer, Works Division, Forbesganj

NEW BAJRANGI CHOWK TO HOUSE OF DEONANDAN

Longth:

1.350 in (Km)

Block: NARPATGANJ

Name of Road: Link No.

PASWAN NIL

	ssR Item	Item of work	Length (M)	Width (M)	(M) 6	Quantity 7	Unit 8	9	(Rs.)	11
1 1	15.1(A)	Restoration of Rain Cuts 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	81.000	2.25	0.25	45.56	cum	362.32	16507	Total 6 % raincuts for 1st year
2	15.2(1)	per drawings and technical specifications Clause 1902 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	108.00	2.25		243.00	eqm	54.95	13353	Total 10% requiring maintenance for 1st year

1 of 11

6	15.6	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	
7	15.7 (I)	Maintenance of Culverts							
		Maintenance 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			1.00	No.	1,072.18	1072	
8	15.7 (II)	Maintenance of Culverts Slab type							
		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			1.00	No.	2,220.59	2221	
9	15.9	Maintenance of Road Signs							
		Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as perdrawings and technical specification Clause 1910	0.100		0.100	Km	1,036.35	104	Considering 10 % requiring maintenance for 1st year
10	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	2.00		2.00	Per Cm height per letter	0.51	1	
		Maintenance of 200 metre and km stones							
11	15.11	Maintenance of 200 metre km stone by way of refiting 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	0.162		0.162	Km	705.88	114	Considering 12 % requiring maintenance for 1st year
12	15.12(1)	Cutting of branches of trees shrubs and trimming of grass and weeds							
		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	6.00		6.00	No.	101.44	609	
3	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	13.50		13.50	No.	6.23	84	
4		Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914	243.00	3.75	911.25	Sqm	2.08	1895	Considering 18 % requiring maintenance for 1s
		White washing of parapet walls of CD work and tree truncks							
5		White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915			59.04	sqm	15.64	923	
							Total:	- 36883	17 F

I OI AIRG YOUR	For	2nd	year
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SI. No.	SSR Item	Item of work	Length (M)	Width (M)	D/H (M)	Quantity	Unit	Rate	Amount	Remarks
4	2	3	4	5	6	7	8	9	10	11
1	15.1(A)	Restoration of Rain Cuts 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	81.000	2.25	0.3	54.68	cum	362.32	19812	Total 7.2 % raincuts for 2nd year
2	15.2(I)	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	135.00	2.25		303.75	sqm	54.95	16691	Total 12% requiring maintenance for 2nd year
6	15.0	compacting it with appropriate equipment at OMC upto a ead of 1000 m as per technical specification Clause 1903			-		+	-	+	
T		The maintenance of drains include erosion, repair, clearing, deaning, 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	

	15 15	+		14 15.	13 15		12 15		11			10		9			8			7
	15.13			15.12(III)	15.12(II)		15,12(1)		15.11			10.1()		15.9			15.7 (II)			15.7 (1)
per technical specifications Clause 1915	truncks White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as	White washing of parapet walls of CD work and con-	specifications Clause 1914	specifications Clause 1914 Trimming of grass and weeds from the shoulders/berms and	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical	Cutting of branches of trees and since of wood and leaves to or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914	grass and weeds	stone as per drawing and technical specification Clause	Maintenance of 200 metre km stone and 5th km renairing and lettering on 200 metre km stone and 5th km	Maintenance of 200 metre and km stones	Clause 1701	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an ename shade as per drawings and Technical Specification	of mandatory / requisitory / cautomary / information y or place identifications sign board as perdrawings and place identification Clause 1910	Maintenance of Road Signs by way of cleaning and repainting Maintenance of road signs by way of cleaning and repainting	specification Clasue 1908	Maintenance or one specific repairs to cracks, parapet walls Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical	Maintenance of Culverts Siab type Maintenance of Culverts Siab type Maintenance of Culverts by way of clearing.	Clause 1908	Cleaning, Erosion repair, repairs to cracks, parapet wall and protection work as per drawing and technical specification	Maintenance of Hume pipe Culvert by way of Clearing.
†	gr w		1	303.75	13.50	6.00			0.203			2.00	1.320							
				3.75																_
-	59.04	-	1	1139.06	13.50	9.50	3		0.203			2.00		1.320		1.00			1.00	3
		+	-	6 Sqm	Z		2		3	5		height per letter	2	š		8			9	5
Total:-	sqm 15.64	+		m 2.08	0.23	+	101.44	_		705 88	-	0.51		1,036.35		E,ERVICE	2220 86	1	-	1 072 18
-	923	1	_	2369	9	20	609			143	1	-1,		1368			2221	-		1072
45293	23			9 requiring maintenance for 2r	Cons				year	requiring and	Considering 15 %		year	requiring mainlenance for 2nd	Considering 12.0 %					

		6 15.6				-	2 15.2(1)					1 15.1(A)		1 2	SI. No. No.	007	CCP Item	For 3rd year		
well as catch water drains as per tecrifical appointment	the maintenance of control of side drains as cleaning, reshaping, regrading, deepening of side drains as	Ш	lead of 1000 m. as per technical specification of the	compacting it with appropriate equipment at Como Chause 1903	Making up loss or making fresh approved selected soil and	L		per drawings and technical specifications with fresh	rammer to restore the original alignment, level and appear	250 mm and compaction with plate compactor of porter	300mm width laying fresh material in layers not exceeding		Restoration of Kain Cuts			tem of work	em .			
	0.000				189.00						113,400				4	fund	ì	Length		
			1		2.25						2.25	2			0	1	N	Width		
			1	1							6.6	2					(M	HIG		
-	0.000	200	1	1	420.20	2000	1					76.55				7	Quantity			
1	-	R	1	1	4	S S	1		1			2				00	Unit			
	_	2.49				22.85			1			362.32				9	7,010	Data		
	_	0	_			23367	-					27736				00	700000	Amount		
						marneralisco or or o	Formula 14% required						of on year	Total 8,4 % raincuts		-	4		Remarks	

	5		*	13	9	12	=	T	10	ω		00	7
	15.13		15.12(III)	15.12(11)		15.12(1)	5.1		10.1(0)	55.00		15.7 (II)	15.7 (0
	White washing two costs on parapet walls and tree trunks including preparation of surface by deaning scraping etc. as our technical specifications Clause 1915	White washing of parapet walls of CD work and tree	Informing of grass and weeds from the shoulders/berms 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	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 orass and weeds	Maintenance of 200 metre km stone by way of refiting 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	Maintenance of 200 metre and km stones	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	Maintenance of road signs by way of cleaning and repainting Maintenance of road signs by way of cleaning and repainting of mandatory / requiatory / cautionary / informatory and place identifications sign board as perdrawings and place identifications sign board as perdrawings and	specification Clasue 1906		
			303.75	13.50	6.00		0.243		2.00	1.650			0.00
			3.75										
	59.04		1139.06	13.50	6.00		0.243		2.00	1.650		1.00	1.00
_	sqm		Sqm	No.	No.		\$	1	height per letter	š		8	No.
Total:-	n 15.64		2.08	6.23	101.44	+	705.88	1	0.51	1,036.35		2,220.59	1,072.18
60264	923		2369	g	609	+	172	1	_	1710		2221	1072
4			maintenance for 3r				requiring maintenance for 3rd year	Considering 18 %		requiring maintenance for 3rd year	Considering 15.0 %		1

For 4th	SSR Item	Name of week	Length (M)	Width (M)	D/H (M)	Quantity	Unit	Rate	Amount	Remarks 11
SI. No.	No.	Item of work	4	5	6	7	8	9	10	- 11
1	15.1(A)	Restoration of Rain Cuts 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	129.600	2.25	0.3	87.48	cum	362.32	31696	Total 6 % raincuts for 4th year
2	15.2(1)	oer drawings and technical specification with fresh selected solf). Maintenance of Earthen shoulder (filling with fresh selected solf). 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.	216.00	2.25		486.00	sqm	54.95	25706	Total 16% requiring maintenance for 4th year
5	15.6	Maintenance of Drains The maintenance of drains include erosion, repair, clearing, deaning, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification	0.000			0.000	RM	2.49	0	

								_							
	5		Ä	3		12	=		ō	ω			00		7
7/7	15.13		15.12(111)	15.12(II)		15.12(0)	15.11		10.10	15.9			15.7 (II)		15.7 (0)
	White washing two coats on parapet walls and tree 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 shoulders/berms 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 refiting of bited 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	Maintenance of 200 metre and km stones	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	Maintenance of road signs by way of cleaning and repainting of mandatory / requiatory / cautionary / informatory and place identifications sign board as perdrawings and place identifications sign board as perdrawings and	specification Clasue 1908	cracks, para	Ц		
			303.75	13.50	6.00		0.243		2.00	1.650			1	0.00	
			3.75												
											Ц			_	
	59.04		1139.06	13.50	6.00		0.243		2.00	1.650		1.00		1.00	
_	sqm		sqm	No.	N ₀	T	3	-	Per Cm height per letter	X		8		Z ₀	
Total:-	15.64		2.08	6.23	101.44		705.88		0.51	1,036.35		2,220.59		1,072.18	
67563	923		2369	2	609	\dagger	172		_	1710		2221		1072	
563	22	**	Gont dering 22.5 % g requiring maintenance for 4th				requiring maintenance for 4th year	Considering 18 %		requiring maintenance for 4th year	Considering 15.0 %				

For 5th year	OCD Ham		Length	Width	PM			Pate	Amount
	-	Item of work	(M)	(M)	(100)	Quantity		0	10
SI NO.	NO.	The state of the s		, n	6	7	a		i
-	2	cu		,					
		Restoration of Rain Cuts							
		Description of the same of the							
-	35.55	Restoration of rain cuts with soil, moonum graves or a							
	-	monute of these, clearing the loose soil, benching for				2	2	362 32	35660
		300mm width laying fresh material in layers not exceeding	145.800	2.25	0.3	50.42			
		250 mm and compaction with plate compactor or power							
		remmer to restore the original alignment, level and slopes as							
		per drawings and technical specifications Clause 1902							
3	15.20	Maintenance of Earthen shoulder (filling with fresh							
	4.100.00	and soll				1			
_		selected sour							-
		Making up loss of material/marguratives on showers were				-		20,00	30044
		design level by adding fresh approved selected soil and	243.00	2.25		546.75	sqin	51.00	-
		compacting it with appropriate equipment at OMC upto a							
		lead of 1000 m. as per technical specification Clause 1903			1		1		-
30	in the	Maintenance of Drains							
	_	The maintenance of drains include erosion, repair, cleaning.					!	,	>
		cleaning, reshaping, regrading, deepening of side drains as	0.000			0.000	NO.	2.40	
-		well as catch water drains as per technical specification							
-		Clare 1977			ŀ	ŀ	ŀ		

7	15.7 (
		Maintenance 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	0.00			1.00	No.	1.072.18	1072	
8	15.7 (II									
		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 Clasue 1908				1.00	no	2,220.59	2221	
9	15.9	Maintenance of Road Signs					_			Occasidadas AC ON
		Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as perdrawings and technical specification Clause 1910	1.650			1,650	Km	1,036.35	1710	Considering 15.0 % requiring maintenance for 5th year
10	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	2.00			2.00	Per Cm height per letter	0.51	1	
		Maintenance of 200 metre and km stones					_		-	Considering 24 %
11	15.11	Maintenance of 200 metre km stone by way of refiting 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	0.324			0.324	Km	705.88	229	requiring maintenance for 5th year
12	15.12(I)	Cutting of branches of trees shrubs and trimming of					1		1	
- 1		grass and weeds					-		+	
		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	6.00			6.00	No.	101.44	609	
3	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	13.50			13.50	No.	6.23	84	
4	15.12(III)	specifications Clause 1914 Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical	506.25	3.75		1898.44	sqm	2.08	3949	Considering 37.5 % requiring maintenance for 5t
_		specifications Clause 1914						1		
- 1		White washing of parapet walls of CD work and tree			,					
+	15.13	truncks White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as				59.04	sqm	15.64	923	
	- 1	per technical specifications Clause 1915						Total:	7650	

Year Wise Abstrct

Total (in Rs.) for the Project road=	286505
Maintenance cost of Project road for the 5th year=	76502
Maintenance cost of Project road for the 4th year=	67563
Maintenance cost of Project road for the 3rd year=	60264
Maintenance cost of Project road for the 2nd year=	45293
Maintenance cost of Project road for the lst year=	36883
• Control American Control of the Co	