

TABLE - 2
For Example Only

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BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE
Analysis of Routine Maintenance
(Per Km. for One Year)

S.No.	Item No.	Item Description	Unit	Rate (in Rs.)
1	As per MORD SOR Item no 15-6	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.	Mtr	4.00
2	As per MORD SOR Item no 15-7-2	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 Clause 1908.	No	3675.90
3	As per MORD SOR Item no 15-8	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	93.50
4	As per MORD SOR Item no 15-9	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1910	km	1706.30
6	As per MORD SOR Item no 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	Sqm	136.10
7	As per MORD SOR Item no 15-3-4	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using catonic bitumen emulsion and seal coat type B with bitumen emulsion.	sq.m	375.70
8	As per MORD SOR Item no 15-13	White washing of parapet walls of CD work and tree trunks hite washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	Sqm	23.60
9	As per MORD SOR Item no 15-12-3	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	sq.m.	3.40
10	As per Miss. SOR Item no 1-10-1	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	Cum	70.00
11	As per MORD Resors Item no PMC 14	Hydraulic excavator 0.9/1cum for 1st year 90 days rainy season assuming 18 days JCB required	Hrs	1316.70
12	As per MORD Item no 14 -2	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	Cum	2374.90
13	As per miss. Item no 1- 6	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	Cum	1446.30

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BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

ROUTINE MAINTENANCE

S.N	Item	No	L	B	H/D	Qty	Unit	Ist Year	IInd Year	III Year	IVth Year	Vth Year
1	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.							20%	30%	20%	30%	40%
		1x1	11550.00			11550.00	Rmt	2310.00	3465.00	2310.00	3465.00	4620.00
2	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 Clause 1908.							0%	15%	20%	15%	20%
		1x1	47.00			47.00	No	0.00	7.05	9.40	7.05	9.40
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909							0%	15%	20%	15%	15%
		1x1	30.00			30.00	Rmt	0.00	4.50	6.00	4.50	4.50
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1910							0%	100%	0%	100%	100%
		1x1	11.550			11.55	Km	0.00	11.55	0.00	11.55	11.55

S.N	Item	No	L	B	H/D	Qty	Unit	Ist Year	IInd Year	III Year	IVth Year	Vth Year
5	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							0%	5%	7%	8%	10%
		1x1	11550.00	(1.00+0.90)		21945.00	Sqm	0.00	1097.25	1536.15	1755.60	2194.50
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.							0%	0%	5%	5%	10%
		1x1	As per Detail of Measurement (Total Painted Surface Area)			47032.40	Sqm	0.00	0.00	2351.62	2351.62	4703.24
7	White washing of parapet walls of CD work and tree trunks hite washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915							0%	100%	100%	100%	100%
		Parapit 693 No (2.00x(0.60+0.60+0.45))+(2x0.60x0.45)	Edge Stone 3465 x 0.25x(0.20+0.10)x2 and also add for Trees, and other Structures as situated at site		2921.00	Sqm	0.00	2921.00	2921.00	2921.00	2921.00	
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.							50%	50%	100%	50%	100%
		Same as Item no 5 Above				21945.00	Sqm	10972.50	10972.50	21945.00	10972.50	21945.00

S.N	Item	No	L	B	H/D	Qty	Unit	Ist Year	IInd Year	III Year	IVth Year	Vth Year
<u>EMERGENCY MAINTENANCE</u>												
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side							90%	80%	70%	60%	60%
		11.55	15.00	2.50	3.00	288.75	Cum	259.88	231.00	202.13	173.25	173.25
10	Hydraulic excavator 0.9/1cum for 1st year 90 days rainy season assuming 18 days JCB required							90%	80%	70%	60%	50%
		11.55	15.00			173.25	Hrs	155.93	138.60	121.28	103.95	86.63
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing							100%	100%	100%	100%	100%
		11.55	3.00	1.50	1.25	64.97	Cum	64.97	64.97	64.97	64.97	64.97
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications							50%	50%	100%	50%	100%
		11.55	20.00	0.50	0.50	57.75	Cum	28.88	28.88	57.75	28.88	57.75

#REF!

BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE

Detail of year wise maintenance of Road as per detail (Bill of Quantity)

S.No.	Name of Item	UNIT	Qty.	SOR Rate	GST& CGST	Total Rate	Amount W/O GST&CGST	Amount of GST&CGST	Total Amount
					12%			12%	
(1st Year Maintenance)									
1	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.	km	2310.00	4.00	0.48	4.48	9240.00	1108.80	10348.80
2	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 Clause 1908.	No	0.00	3675.90	441.11	4117.01	0.00	0.00	0.00
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	0.00	93.50	11.22	104.72	0.00	0.00	0.00
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1910	km	0.00	1706.30	204.76	1911.06	0.00	0.00	0.00
5	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	Sqm	0.00	136.10	16.33	152.43	0.00	0.00	0.00
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.	Sqm	0.00	375.70	45.08	420.78	0.00	0.00	0.00
7	White washing of parapet walls of CD work and tree trunks hite washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	sq.m.	0.00	23.60	2.83	26.43	0.00	0.00	0.00
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	Cum	10972.50	3.40	0.41	3.81	37306.50	4476.78	41783.28
		Total Amount For PBMC (A)					46546.50	5585.58	52132.08
		Cost Per Km(Total Length of Road-11.550Km)					4030.00	483.60	4513.60
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	cu.m.	259.88	70.00	8.40	78.40	18191.25	2182.95	20374.20
10	Deploying Hydraulic excavators of 0.90 Cum bucket for opening of road with required slip clearance in all type of soil,Rock and boulders including its operator ,Fuel,all other charge and texes required for proper completion of work.	Hrs	155.93	1316.70	158.00	1474.70	205306.45	24636.77	229943.22
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent	cu.m.	64.97	2374.90	284.99	2659.89	154294.28	18515.31	172809.60
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	cu.m.	28.88	1446.30	173.56	1619.86	41761.91	5011.43	46773.34
					(B)	Total	419553.89	50346.47	469900.36
Total Cost For 1st Year Maintenance (A + B)							466100.39	55932.05	522032.44

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BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE

Detail of year wise maintenance of Road as per detail (Bill of Quantity)

S.No.	Name of Item	UNIT	Qty.	SOR Rate	GST & CGST	Total Rate	Amount W/O GST&CGST	Amount of GST&CGST	Total Amount	
					12%			12%		
(2nd Year Maintenance)										
1	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.	km	3465.00	4.00	4.80	8.80	13860.00	1663.20	15523.20	
2	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 Clause 1908.	No	7.05	3675.90	441.11	4117.01	25915.10	3109.81	29024.91	
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	4.50	93.50	11.22	104.72	420.75	50.49	471.24	
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1910	km	11.55	1706.30	204.76	1911.06	19707.77	2364.93	22072.70	
5	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	Sqm	1097.25	136.10	16.33	152.43	149335.73	17920.29	167256.01	
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.	Sqm	0.00	375.70	45.08	420.78	0.00	0.00	0.00	
7	White washing of parapet walls of CD work and tree trunks white washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	sq.m.	2921.00	23.60	2.83	26.43	68935.48	8272.26	77207.74	
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	Cum	10972.50	3.40	0.41	3.81	37306.50	4476.78	41783.28	
		Total Amount For PBMC (A)						315481.32	37857.76	353339.08
		Cost Per Km(Total Length of Road-11.550Km)						27314.40	3277.73	30592.13
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	cu.m.	231.00	70.00	8.40	78.40	16170.00	1940.40	18110.40	
10	Deploying Hydraulic excavators of 0.90 Cum bucket for opening of road with required slip clearance in all type of soil,Rock and boulders including its operator ,Fuel,all other charge and taxes required for proper completion of work.	Hrs	138.60	1316.70	158.00	1474.70	182494.62	21899.35	204393.97	
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent	cu.m.	64.97	2374.90	284.99	2659.89	154294.28	18515.31	172809.60	
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	cu.m.	28.88	1446.30	173.56	1619.86	41761.91	5011.43	46773.34	
					(B)	Total	394720.82	47366.50	442087.31	
		Total Cost For 2nd Year Maintenance (A + B)						710202.13	85224.26	795426.39

#REF!

BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE

Detail of year wise maintenance of Road as per detail (Bill of Quantity)

S.No.	Name of Item	UNIT	Qty.	SOR Rate	GST& CGST	Total Rate	Amount W/O	Amount of	Total Amount
					12%		GST&CGST	12%	
(3rd Year Maintenance)									
1	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.	km	2310.00	4.00	4.80	8.80	9240.00	1108.80	10348.80
2	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 Clause 1908.	No	9.40	3675.90	441.11	4117.01	34553.46	4146.42	38699.88
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	6.00	93.50	11.22	104.72	561.00	67.32	628.32
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1910	km	0.00	1706.30	204.76	1911.06	0.00	0.00	0.00
5	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	Sqm	1536.15	136.10	16.33	152.43	209070.02	25088.40	234158.42
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.	Sqm	2351.62	375.70	45.08	420.78	883503.63	106020.44	989524.07
7	White washing of parapet walls of CD work and tree trunks white washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	sq.m.	2921.00	23.60	2.83	26.43	68935.48	8272.26	77207.74
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	Cum	21945.00	3.40	0.41	3.81	74613.00	8953.56	83566.56
Total Amount For PBMC (A)							1280476.59	153657.19	1434133.78
Cost Per Km(Total Length of Road-11.550Km)							110863.77	13303.65	124167.43
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	cu.m.	202.13	70.00	8.40	78.40	14148.75	1697.85	15846.60
10	Deploying Hydraulic excavators of 0.90 Cum bucket for opening of road with required slip clearance in all type of soil,Rock and boulders including its operator ,Fuel,all other charge and taxes required for proper completion of work.	Hrs	121.28	1316.70	158.00	1474.70	159682.79	19161.94	178844.73
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent	cu.m.	64.97	2374.90	284.99	2659.89	154294.28	18515.31	172809.60
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	cu.m.	57.75	1446.30	173.56	1619.86	83523.83	10022.86	93546.68
					(B)	Total	411649.65	49397.96	461047.61
Total Cost For 3rd Year Maintenance (A + B)							1692126.24	203055.15	1895181.39

#REF!

BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE

Detail of year wise maintenance of Road as per detail (Bill of Quantity)

S.No.	Name of Item	UNIT	Qty.	SOR Rate	GST& CGST	Total Rate	Amount W/O	Amount of	Total Amount
					12%		GST&CGST	12%	
(4th Year Maintenance)									
1	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.	km	3465.00	4.00	4.80	8.80	13860.00	1663.20	15523.20
2	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 Clause 1908.	No	7.05	3675.90	441.11	4117.01	25915.10	3109.81	29024.91
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	4.50	93.50	11.22	104.72	420.75	50.49	471.24
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause 1907	km	11.55	1706.30	204.76	1911.06	19707.77	2364.93	22072.70
5	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	Sqm	1755.60	136.10	16.33	152.43	238937.16	28672.46	267609.62
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using catonic bitumen emulsion and seal coat type B with bitumen emulsion.	Sqm	2351.62	375.70	45.08	420.78	883503.63	106020.44	989524.07
7	White washing of parapet walls of CD work and tree trunks hite washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	sq.m.	2921.00	23.60	2.83	26.43	68935.48	8272.26	77207.74
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	Cum	10972.50	3.40	0.41	3.81	37306.50	4476.78	41783.28
		Total Amount For PBMC (A)					1288586.39	154630.37	1443216.75
		Cost Per Km(Total Length of Road-11.550Km)					111565.92	13387.91	124953.83
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	cu.m.	173.25	70.00	8.40	78.40	12127.50	1455.30	13582.80
10	Deploying Hydraulic excavators of 0.90 Cum bucket for opening of road with required slip clearance in all type of soil,Rock and boulders including its operator ,Fuel,all other charge and texes required for proper completion of work.	Hrs	103.95	1316.70	158.00	1474.70	136870.97	16424.52	153295.48
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent	cu.m.	64.97	2374.90	284.99	2659.89	154294.28	18515.31	172809.60
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	cu.m.	28.88	1446.30	173.56	1619.86	41761.91	5011.43	46773.34
					(B)	Total	345054.66	41406.56	386461.22
Total Cost For 4th Year Maintenance (A + B)							1633641.05	196036.93	1829677.97

#REF!

BLOCK : NARAYANBAGAR

DISTRICT : CHAMOLI

PART - B MAINTENANCE

Detail of year wise maintenance of Road as per detail (Bill of Quantity)

S.No.	Name of Item	UNIT	Qty.	SOR Rate	GST& CGST	Total Rate	Amount W/O	Amount of	Total Amount
					12%		GST&CGST	12%	
(5th Year Maintenance)									
1	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.	km	4620.00	4.00	4.80	8.80	18480.00	2217.60	20697.60
2	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 Clause 1908.	No	9.40	3675.90	441.11	4117.01	34553.46	4146.42	38699.88
3	Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909	Mtr	4.50	93.50	11.22	104.72	420.75	50.49	471.24
4	Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and technical specification Clause	km	11.55	1706.30	204.76	1911.06	19707.77	2364.93	22072.70
5	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	Sqm	2194.50	136.10	16.33	152.43	298671.45	35840.57	334512.02
6	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.	Sqm	4703.24	375.70	45.08	420.78	1767007.27	212040.87	1979048.14
7	White washing of parapet walls of CD work and tree trunks hite washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915	sq.m.	2921.00	23.60	2.83	26.43	68935.48	8272.26	77207.74
8	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.	Cum	21945.00	3.40	0.41	3.81	74613.00	8953.56	83566.56
Total Amount For PBMC (A)							2282389.18	273886.70	2556275.88
Cost Per Km(Total Length of Road-11.550Km)							197609.45	23713.13	221322.59
9	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side	cu.m.	173.25	70.00	8.40	78.40	12127.50	1455.30	13582.80
10	Deploying Hydraulic excavators of 0.90 Cum bucket for opening of road with required slip clearance in all type of soil,Rock and boulders including its operator ,Fuel,all other charge and texes required for proper completion of work.	Hrs	86.63	1316.70	158.00	1474.70	114059.14	13687.10	127746.23
11	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire (@ 32 Kg/ 10 Sqm) conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent	cu.m.	64.97	2374.90	284.99	2659.89	154294.28	18515.31	172809.60
12	Coolie Walling including supply of all material, labour, T&P,royalty etc. Required for proper completion of the work,as directed by Engineer-in-charge and as per PWD specifications	cu.m.	57.75	1446.30	173.56	1619.86	83523.83	10022.86	93546.68
					(B)	Total	364004.75	43680.57	407685.32
Total Cost For 5th Year Maintenance (A+B)							2646393.92	317567.27	2963961.19
G.Total For Five Year Maintenance							7148463.74	857815.65	8006279.39

Annual Maintenance

Sl.No.	Items of Works	Unit	Quantity	Total Amount of Maintenance Cost Without GST & CGST	Unit Rate per Km without GST&CGST	Amount of GST&CGST @12%	Total Amount of Maintenance Cost With GST & CGST @12%
1	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 Slab type Culverts by way of clearing, Cleaning, Erosion repair, repairs to cracks, parapet walls and Protection works as per drawing and technical specification Clause 1908.Maintenance of Causeway by way of minor Surface repairs, replacing Guide Posts, repair of flood gauges, removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909.Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / inforatory and place identifications sign board as per drawings and technical specification Clause 1910.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.Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat with bitumen emulsion, 20 mm thick pre-mix carpet using cationic bitumen emulsion and seal coat type B with bitumen emulsion.White washing of parapet walls of CD work and tree trunk white washing two coats on parapet walls and tree trunks including preparation of surface by cleaning scraping etc. as per technical specifications Clause 1915.Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914.						
	1st Year	Km	11.55	466100.39	40355.00	55932.05	522032.44
	2nd Year	Km	11.55	710202.13	61489.00	85224.26	795426.39
	3rd Year	Km	11.55	1692126.24	146504.00	203055.15	1895181.39
	4th Year	Km	11.55	1633641.05	141441.00	196036.93	1829677.97
	5th Year	Km	11.55	2646393.92	229125.00	317567.27	2963961.19
	Total Cost			7148463.74		857815.65	8006279.39
	Total Cost For 5 Year Maintenance			7148464.00		857816.00	8006279.00