

SUMMARY OF 6 YEARS OPERATION & MANAGEMENT (O&M) COST

NAME OF ROAD:-

PMGSY Road To Bagondara

DISTRICT:-

Kishanganj

BLOCK:-

Kishanganj

LENGTH OF ROAD (KM):-

0.950

Particulars	Amount in Rs.	Amount in (Lakh)
1st Year O&M cost	1,07,920.00	1.079
2nd Year O&M cost	1,88,382.00	1.884
3rd Year O&M cost	1,91,010.00	1.910
4th Year O&M cost	1,28,538.00	1.285
6th Year O&M cost	83,318.00	0.833
7th Year O&M cost	96,366.00	0.964
Total Cost of 6 years O&M	7,95,534.00	7.955
Add LC @ 1%	7,955.34	0.080
Seigniorage Fee	3,687.20	0.037
Add GST @ 18 % on Total	145291.78	1.453
Total Cost Including Taxes	9,52,468.00	9.525

ESTIMATE FOR 6 YEARS O&M WORKS

Total Length of Road(L) =	950	m
Length of the Flexible Pavement(Lf) =	750	m
Length of the Rigid Pavement(Lc) =	200	m
Width of the Road (Br) =	3.750	m
Width Of the Shoulder (Bs) =	1.125	m
No. Of Hume Pipe Culvert =	0	
No. Of Slab/Box Culvert =	0	
Length of Drain=	0	m
No. of guard stone	0	

Multiplying factor for traffic intensity(β)

Low (≤ 15 CVD)	Medium (15 to 45 CVD)	High (> 45 CVD)
1.0	1.25	1.5

Multiplying factor for making for pothole(α_1)

	Rainfall		
	High %	Medium %	Low %
I YEAR	1.0	0.5	--
II YEAR	2.0	1.0	0.5
III YEAR	3.0	1.5	1.0
IV YEAR	4.0	2.0	1.5
V YEAR	5.0	0.5	2.0
VI YEAR		1.0	

Multiplying factor for making for berms(α_2)

	Rainfall		
	High %	Medium %	Low %
I YEAR	15.0	18.0	7.5
II YEAR	18.0	16.0	9.0
III YEAR	21.0	14.0	10.5
IV YEAR	24.0	12.0	12.0
V YEAR	27.0	10.0	13.5
VI YEAR		10.0	

Multiplying factor for making for rain cut(α_3)

	Rainfall		
	High %	Medium %	Low %
I YEAR	7.5	10.8	5.0
II YEAR	9.0	9.6	6.0
III YEAR	10.5	8.4	7.0
IV YEAR	12.0	7.2	8.0
V YEAR	13.5	6.0	9.0
VI YEAR		6.0	