

GOVERNMENT OF JAMMU AND KASHMIR
PRADHANMANTRI GRAM SADAK YOJANA

DETAILED PROJECT REPORT

DISTRICT - UDHAMPUR

BLOCK - UDHAMPUR



Name of the Scheme

SUPPLY MORH T03 TO KAINTH GALI
UP-GRADATION

Length = 27.7 Kms

PKG: - JK14-506

Cost :- Rs. ~~4242.29~~ Lacs
2583.32

18/5/2018


Manglam Associates

Corrected as per Observations

GENERAL ABSTRACT OF COST

Name of Work: Up-Gradation of Road from "Supply Morh T03 to Kainthgali Under Package No:-
JK14-506

s.n	Particulars of Items	Qty.	Unit	Rate (@Rs.)	Amount (@Lack)
	Length				27.700 Kms
Earth work in Widening/Back Cutting					
1	a) Excavation in Soil by Mechanical Means				
	b) Excavation in Ordinary Rock by Mechanical Means.	15930.26	Cum	115.00	18.31
	c) Excavation in Hard Rock Requiring Blasting.	6598.06	Cum	201.00	13.26
		3863.82	Cum	343.00	13.25
Total Earth Work (In Lacs) (A)					44.82 Lacs
Reconstruction /Proposed CD Structure:					
2	a) 1.0 m Dia Hume Pipe Culvert	30	No.	3.33	99.90 ✓
	b) 1.0 m Span RCC Culvert	15	No.	3.97	59.55 ✓
	c) 2.0 m Span RCC Culvert	16	No.	9.28	148.48 ✓
	d) 3.0 M Span RCC Culvert	8	No.	10.00	80.00 ✓
	e) 4.0 M Span RCC Culvert	10	No.	10.87	108.70 ✓
	g) 10.0 M Span RCC Culvert	1	No.	33.82	33.82 ✓
	Total Cost of Proposed CD Works				
Repairing of Existing CD Structures:-					
		35	Nos	0.25/each	8.75 ✓
Total CD Works (In Lacs) (B)					539.20 Lacs
Protection works :					
				11552.00	
3	a) Semi-Pucca R/wall (avg.3m ht)	1500	RM	12492.20	187.38 ✓
	b) Semi-Pucca R/wall (avg. 1.50 m ht)	400	RM	5828.20	23.31 ✓
	c) Semi Pucca R/Wall (avg. 4.0m ht)	100	RM	17989.00	17.98 ✓
	d) Semi Pucca B/Wall (Avg. 1.50 M Ht)	4000	RM	5400.53	207.62 ✓
	e) Semi Pucca B/Wall (avg. 2.55 m ht)	2000	RM	78.52	157.04 ✓
	f) Crate wall	400	RM	10546.09	42.18 ✓
	g) Open Drain	5200	RM	1660.00	149.40 ✓
	h) Cover Drain	600	RM	3092.00	37.10 ✓
	i) Crash Barriers	600	m	6400.00	35.50 ✓
	Total Protection Works (In Lacs) (C)				
4 Pavement:-					
a)	Scarifying Bituminous Surface Upto A Depth of 150 MM				
	3150 @40%=1260sQM X 27.700 Kms =	34902.00	Sqm	11.00	3.84
b)	150 mm Thick Granular Sub Base				
	238.50 Cum x 27.700 Kms =	6606.45	Cum	1312.67	86.72 ✓
		27.55 ✓			86.25 ✓
c) 75 MM Thick WMM					

(Deduct Length of 150 mtr on a/c of R.C.C Slabs)

173.28 ✓
 22.68 ✓
 17.15 ✓
 202.96 ✓
 157.04 ✓
 42.18 ✓
 86.32 ✓
 18.55 ✓
 720.16 ✓
75076 Lacs

312.19 Cum x 27.700 Kms =	27.550	8647.79 Cum	1624.57	146.49
d) Primer Coat		8600.83		139.731
4162.50 Sqm x 27.700 Kms		115301.25 Sqm	51.55	59.43
e) 50mm Thich Bituminous Macadam				
208.13 Cum x 27.700 Kms =	27.550	3769.06 Cum	8261.28	226.27
f) Tack Coat		5733.98		473.70
1 x 4162.50 Sqm x 27.700 Km		115301.25 Sqm	18.18	20.96
g) 20mm Thich Premix Carpet				
4162.50 Sqm x 27.700 Kms		115301.25 Sqm	164.573	189.75
h) of Seal Coat				
4162.50 Sqm x 27.700 Kms		115301.25 Sqm	65.269	75.26
i) Const. of Earthern Shoulders				
318.205qm x 27.700 Kms		8814.14 Cum	280	24.74
Total Pavement Works (In Lacs) (D):-				1077.46
				1073.66

5 Other Provisions Incl Road Furniture :-				
Provision for Survey & setting out Incl. CBR Tests	27.7	Km	0.18775	5.200675
Provision for DPR preparation				
Prov. & fixing PMGSY Logo after every 2 Km	14	Each.	0.11	1.54
Providing & fixing of informatory board after every 5 km	5	Each	0.144	0.72
Providing & fixing of Citizen Informatory Board	1	Each	0.144	0.144
P/F of Road Traffic Sign Board @ 03 Nos /Km	83	Each	0.038	3.154
P/F of Kilometer Stones Ordinary	28	Each	0.017	0.476
P/F of 200 Mtrs Stones Pre-cast	139	Each	0.004	0.556
Total of others including Road Furniture's (In Lacs) (E)				11.79 Lacs
Total Construction Part (A+B+C+D+E) =				2542.69 Lacs

Per km Cost = 87.58 Lacs

Part-B Routine Maintenance:			
Year	Cost (In Lacs)	% Cost	Cost Per Km.
7	15.40	0.80%	0.730
a	29.10	1.20%	1.100
b	38.80	1.60%	1.460
c	48.50	2.00%	1.830
d	58.20	2.40%	2.200
e	293.41	8.00%	7.320
Total of Part B:-			2246.400
Total = (Part A + Part B)			2610.59

Per km = 245.8 (Handwritten)

2583.32 Lacs

Final. 18/05/2018

Junior Engineer
PMGSY Sub Division,
Udhampur.

Assistant Executive Engineer,
PMGSY Sub Division,
Udhampur

Superintending Engineer,
PMGSY Circle
Reasi

Executive Engineer,
PMGSY Division Udhampur-I,
Udhampur.

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)
PACKAGE SUMMARY

Package No:- JK14-506
District: UDHAMPUR
State: Jammu & Kashmir

SI No	Name of Block	Name of the Road		Type of Proposal	Proposed length	Cost of Pavement	No. of CD works	Cost of Cd works	Total Estimated Cost		Average Cost per Km	
		From	To						Rs.	Rs.	Rs.	Rs.
1	UDHAMPUR	SUPPLY MORH T03	KAINTH GALI	UP-GRADATION	27.700	1422.29 118.48 118.50	80	539.2 889.41 756.76 721.16	Const	Maint.	Const	Maint.
						1422.29 118.48	-	4400.01 1295.56 1259.36	2530.09	203.41	91.79 87.58 86.38	7.00
Road Furniture Including Other Provisions									11.79 11.46	2542.69 2425.00	2389.32	
G.Total:- Rs.									Lacs	2746.10	21.79	93.26

2610.99
2583.32

N-New Connectivity U/Up Gradation
Prepared By:
Name:
Designation Junior Engineer

Signature: *[Signature]*

Checked By:
Name: SURESH BHARTI
Designation Assistant Executive Engineer

Signature: *[Signature]*

Scrutinized By:
Name:
Designation Executive Engineer

Signature:

Technical Scrutiny Done By
Name: Dr. D.K. KHANNA
Designation Superintending Engineer

Signature: *[Signature]*

[Signature]
Co-Ordinator STA 18.1.2017
Name: (DR. S.K. GUPTA)

Signature:

1 Introduction

1.1 Objectives of Pradhan Mantri Gram Sadak Yojna (PMGSY)

Rural Road connectivity is a key component of rural development by promoting access to economic and social services and thereby generating increased agricultural incomes and productive employment opportunities. It is also a key ingredient in ensuring poverty reduction

It was against this background of poor connectivity that the Prime Minister announced in 2000, a massive rural roads program. The Prime Minister's Rural Road Program (Pradhan Mantri Gram Sadak Yojana, PMGSY) set a target of:

Achieving all-weather road access to every village/habitation with a population greater than 1000 by 2003

Providing all-weather road access to all villages/habitations of population greater than 500 people [250 in case of hill States (North-Eastern states, Sikkim, Himachal Pradesh, Jammu & Kashmir and Uttaranchal), the desert areas and tribal areas] by the end of the Tenth Five Year Plan, i.e., 2007

1.2 All Weather Road is Up-Gradation

1.3 Core Network

The rural road network required for providing the 'basic access' to all villages/ habitations is termed as the Core Network. Basic access is defined as one all-weather road access from each village/ habitation to the nearby Market Centre or Rural Business Hub (RBH) and essential social and economic services. A Core Network comprises of Through Routes and Link Routes. Through routes are the ones which collect traffic from several link roads or a long chain of habitations and lead it to a market centre or a higher category road, i.e. the District Roads or the State or National Highways. Link Routes are the roads connecting a single habitation or a group of habitations to Through Roads or District Roads leading to Market Centers. Link Routes generally have dead ends terminating on habitations, while Through Routes arise from the confluence of two or more Link Routes and emerge on to a major road or to a Market Centre.

The Core Network may not represent the most convenient or economic route for all purposes. However, since studies show 85-90% of rural trips are to market centers, the Core Network is likely to be a cost-effective conceptual frame work for investment and management purposes, particularly in the context of scarce resources.

The Sub-project road UP-GRADATION of SUPPLY MORH T03 TO KAINTH GALI is a through road with Code JK14 -TO1 in UDHAMPUR block of UDHAMPUR District. This road directly connects the habitations of Dabreh, Krimachi, Mansar, Pathi, Kainthgali with populations of 770, 402, 703, 280, Kainthgali respectively. Thus this through road serves the total population of 6443 Souls.

1.4 Geography

Road is in hilly terrain and starts from SUPPLY MORH T03 and connects villages KAINTH GALI. The Length of the road is 27.7 Kms is in cutting and filling in stretches.

1.5 Climatic Condition

In summer day temperature rises to max. 42°C and in winter night temperature fall to min o 2 °c

1.6 The Sub-Project Road

The road passes through hilly terrain.

Road is in both cutting and filling and passes through built up area. There is no hindrances in construction of road .

District:	UDHAMPUR
Block:	UDHAMPUR
Road Name:	SUPPLY MORH T03 TO KAINTH GALI
Road Code:	JK14 -TO1
Package No:	JK14-506
Road Length:	27.7
Start Point:	SUPPLY MORH T03
	Long. 32°56'00"
	Lat. 75°05'00"
End Point:	KAINTH GALI
	Long. 33°02'30"
	Lat. 74°07'30"

Sl.No.	Habitation benefited	Population benefited		Remarks
		Direct	Indirect	
1	Dabreh	770	1743	Panchari
2	Krimachi	402	1378	Lardher
3	Mansar	703	4992	Mongri
4	Pathi	280	3438	Gendla
5	Kainthgali	248	836	Damnot
Total:-		2403	12387	