

GOVERNMENT OF JAMMU AND KASHMIR



PMGSY DEPARTMENT (J&K)  
JAMMU

DETAILED PROJECT REPORT FOR CONSTRUCTION OF  
ROADS PROPOSED UNDER

PMGSY  
IN BLOCK GHORDI  
DISTRICT UDHAMPUR

*Name of the Scheme*

Nallah Gouran to Murara Devi  
(Stage I)

*Length = 13.325 Kms*

PKG:- JK14- ~~437~~ 454 ✓

*(11.38.46) lacs.*

Cost :- Rs. 1097.63 Lacs.

*(1108.22 lacs)*

Chief Engineer,  
PMGSY (JK RRD-1)

## 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 ( Present Scenario is New Connectivity Stage-I Only.

### 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 "**Nallah Gouran to Murara Devi**" is a link road with **Code JK14L046** in Ghordi block of Udhampur District. This road directly connects the habitation of "**Murara Devi**" with **population of 365 Souls** . Thus this link road serves the total population of 365 Souls.

## 1.4 Geography

Road is in mountainous terrain and starts from village "Nallah Gouran" and connects village "Murara Devi". The Length of the road is 13.325 Kms is in cutting and minor in filling in stretches.

## 1.5 Climatic Condition

In summer day temperature rises to max. 42°C and in winter night temperature fall to min 0 2 °c

## 1.6 The Sub-Project Road

The road passes through mountainous 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: Ghordi  
 Road Name: Nallah Gouran to Murara Devi  
 Road Code: JK14 -L046  
 Package No: JK14- 437  
 Road Length: 13.325 Km  
 Start Point: Nallah Gouran ( Latitude: 33 Deg 55 Min 08 Sec and Longitude : 75 Deg 20 Min 15 Sec)  
 End Point: Murara Devi ( Latitude: 33 Deg 55 Min 32 Sec and Longitude :75 Deg 20 Min 19 Sec)

Sl.No.	Habitation benefited	Population benefited		Chaniage	
		Direct	Indirect	From	To
1	Murara Devi	365	-	0	13325

### GENERAL ABSTRACT OF COST

Name of work: **Construction of Road From "Nallah Gouran to Murara Devi" Under "PMGSY" Stage-I (L= 13.325 Km)**

1	Particulars of Items	Unit	Qty.	Rate (@ Rs.)	Amount (Lacs)
1	<b>Earth work in excavation in hilly terrain</b>				
	o) All kinds of soil	Cum	108636		124.93
	p) Ordinary rock not req. blasting	Cum	94877.00	115.00	109.11
	q) Hard Rock	Cum	45245	201.00	104.08
	d) Earth filling in embankment (With Available Material from Roadway Cutting.)	Cum	27158	343.00	118.00
		Cum	6434.00	58.00	3.73
<b>Total Earth Work = 334.92 Lacs (A)</b>					<b>312.79</b>
2	<b>Drainage Crossings:</b>				
	p) 1.00 m dia H.P Culverts	No.	46	2.46	113.16
	q) 2.00 m Span RCC Culvert = 2.6 x 04 = 10.4	No.	04	7.61	30.44
	r) 3.00 m Span RCC Culvert = 3.6 x 04 = 14.4	No.	04	10.53	42.12
	s) 6.00 m Span RCC Culvert = 6.6 x 01 = 6.6	No.	01	23.51	23.51
	t) 6.00 m Long Scupper	No.	10	4.90	49.00
	u) 12.0 m Long Scupper	No.	01	8.01	8.01
	v) 10.m Span RCC Bridge = 17.6 x 02 = 35.2	No.	02	35.33	70.66
	w) 14.50 m Span Bridge = 22.1 x 02 = 44.2	No.	02	57.22	114.44
<b>Total CD Works = 451.34 Lacs (B)</b>					<b>448.88</b>
3	<b>Protection works :</b>				
	hh) Semi-Pucca R/wall (avg.4m height)	RM	750.00	17013.00	127.60
	ii) ---do--- (avg.3m ht)	RM	500.00	11149.00	55.74
	jj) ---do---B/Wall (avg. 2.55 m ht)	RM	965.00	7525.00	72.62
	kk) ---do---B/Wall (avg. 1.50 m ht)	RM	600	710.00	514.00
	ll) Created B/Wall	RM	500.00	8414.00	42.07
	mm) Pucca Edge Wall	RM	410.00	3413.00	13.99
<b>Total Protection Works = 348.51 Lacs (C)</b>					<b>342.86</b>
4	<b>Other Provisions:-</b>				
a	Provision for Tracer Path Cutting including Survey & setting out etc. (Reference Pillars & Back Pillars)	Km	13.325	0.20	2.65
b	Provision for DPR preparation	No.		@0.06/DPR	0.06
5	<b>Providing &amp; Fixing of PMGSY Road Furniture:-</b>				
a	Prov. & fixing PMGSY Logo after every 2 Km	Each.	05	11000.00	0.55
b	Providing & fixing of informatory board after every 5 km	Each	01	14494.00	0.29
c	P/F of Citizen Informatory Board	Each	01	14494.00	0.14
<b>Total of others including Road Furniture's = 3.69- (D)</b>					
<b>Total (A+B+C+D) = 1138.46 Lacs</b>					

**1108.22 Lacs**

Asstt. Executive Engineer,  
PMGSY Sub-Division,  
Ghordi.

Superintending Engineer,  
PMGSY Circle,  
Reasi.

Executive Engineer,  
PMGSY Division Udhampur-I,  
Udhampur.