GOVERNMENT OF JAMMU AND KASHMIR

PMGSY DEPARTMENT (J&K)
JAMMU
ABSTRACT OF PROJECT
PROFORMA B & C

Name of Scheme	:	Kundardhan to Mamankote (Stage-I)
Length	:	27.000 Kms
Estimate Cost	:	~~2422.15~~ 2337.43 Lacs.
Cost Per Km	:	~~89.70~~ 86.57 Lacs.
Package No.	:	JK-14
Block	:	Chasana
Code No	:	L0
No. of Villages Linked	:	07
Name of the Villages	:	Majrakund,Berd,Thalkote, Shergarhi,kuliwalla,Mamankote upper,Mamankote lower
Population	:	4614 Souls

Executive Engineer,
PMGSY Division,
Mahore.

Superintending Engineer,
PMGSY Circle,
Reasi.

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:The road which serves the targetted habitation under all weather conditions.

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 centres, 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 Kunderdhan to Mamankote is a link road with Code in Chasana block of Reasi District. This road directly connects the habitations of Berd 735,kuliwallah 180,majrakund 863,mamankote lower 590,mamankote upper 705,shergarhi 659,thalkote 882, souls with population of 4614.00 Thus this link road serves the total population of 4614.00 .

Table 10.2 Proposed CD Structures

Sl. No.	Chainage	Type of CD Structure	Span/Diameter
1.	100 – 125	HPC	1m Dia
2.	250 - 275	Scuper	6m Long
3.	425 - 450	HPC	1m Dia
4.	625 - 650	Scuper	6m long
5.	800 - 825	HPC	1M Dia
6.	1100 - 1125	Scuper	6m long
7.	1575 - 1600	HPC	1m Dia
8.	1775 - 1800	Scuper	6m long
9.	2350 - 2375	HPC	1m Dia
10.	2750 - 2775	HPC	1m Dia
11.	2600 - 2625	HPC	1m Dia
12.	2925 - 2950	HPC	1m Dia
13.	3075 - 3100	RCC culvert	6m span
14.	3150 - 3175	HPC	1m Dia
15	3400 - 3425	RCC Culvert	2m Span
16	3850 - 3875	HPC	1m Dia
17	4100 - 4125	HPC	1m Dia
18	4425 - 4450	RCC Culvert	6m Span — Che
19	4500 - 4550	Scuper	6m Long
20	4700 - 4750	HPC	1m Dia
21	5090	SCUPPER	6m long
22	5300	HPC	1m Dia
23	5600	RCC CULVERT	2m Span
24	5850	RCC Culvert	6m Span
25	5970	RCC Culvert	2 m Span
26	6110	RCC Culvert	3m Span
27	6350	HPC	1m Span
28	6750	SCUPER	6m Long
29	7040	SCUPER	6m Long
30	7190	RCC Culvert	6m Span
31	7270	SCUPPER	6m Long
32	7640	RCC Culvert	3M Span
33	7960	HPC	1m Dia
34	8390	HPC	1m Dia
35	8610	RCC Culvert	2m Span
36	8950	SCUPPER	6m Span
37	9470	HPC	1m Dia
38	9750	HPC	1m Dia
39	9950	RCC CULVERT	2m Span
40	10100 - 10125	SCUPER	6.00M Long
41	10400 - 10425	HPC	1.0 m dia
42	10525 - 10550	RCC Culvert	2.0 m Long

43	10700 - 10725	RCC Culvert	3.0 m Span
44	10850 -10875	RCC Culvert	2.00 m Span
45	11250 - 11275	HPC	1.00 m dia
46	11575 - 11600	HPC	1.00 m dia
47	11700 - 11725	RCC Culvert	6.00 m Span
48	11875 - 11900	HPC	1.0 m dia
49	12025 - 12050	RCC Culvert	2.0 m Span
50	12225 - 12250	HPC	1.0 m Dia
51	12650 - 12675	HPC	1.0 m Dia
52	12850 - 12875	RCC Culvert	6.0 m Span
53	13175 - 13200	SCUPER	6.0 m Long
54	13350 - 13375	HPC	1.0 m Dia
55	13425 - 13450	HPC	1.0 m Dia
56	13825 - 13850	SCUPER	6.0 m Long
57	14225 - 14250	RCC Culvert	6.0 m Span
58	14375 - 14400	HPC	1.0 m Dia
59	14625 - 14650	RCC Culvert	6.0 m Span
60	14875 - 14900	HPC	1.0 m Dia
61	15200 -15225	HPC	1.0 m Dia
62	15500 - 15525	SCUPER	6.0 m Long
63	15625 - 15650	RCC Culvert	6.0 m Span
64	16900 - 16925	HPC	1.0 m Dia
65	16050 - 16075	HPC	1.0 m Dia
66	16225 - 16250	SCUPER	6.0 m Long
67	16500- 16525	HPC	1.0 m Dia
68	16775 - 16800	SCUPER	6.0 M long
69	17100 - 17125	RCC Culvert	2.0 m Span
70	17300 - 17325	RCC Culvert	6.0 m span
71	17500 - 17525	HPC	1.0 m Dia
72	17925 - 17950	HPC	1.0 m Dia
73	18175 - 18200	SCUPER	6.0 m Long
74	18275 - 18300	HPC	1.0 m Dia
75	18325 - 18350	HPC	1.0 m Dia
76	18700 - 18725	HPC	1.0 m Dia
77	19100 - 19125	SCUPER	6.0 m Long
78	19325 - 19350	SCUPER	6.0 m Long
79	19425 - 19450	HPC	1.0 m Dia
80	19600 - 19625	HPC	1.0 m Long
81	19675 - 19700	SCUPER	6.0 m Long
82	20075 - 20100	SCUPER	6.0 m Long
83	20425 - 20450	RCC Culvert	3.0 m Span
84	20800 - 20825	HPC	1.0 m Dia
85	20950 - 20975	HPC	1.0 m Dia
86	21200 - 21225	RCC Culvert	3.0 m Span
87	21375 - 21400	SCUPER	6.0 m Long
88	21725 - 21750	SCUPER	6.0 m Long
89	21925 - 21950	SCUPER	6.0 m Long
90	22175 - 22200	SCUPER	6.0 m Long
91	22375 - 22400	HPC	1.0 m Dia

92	22650 - 22675	SCUPER	6.0 m Long
93	22825 - 22850	HPC	1.0 m Dia
94	23475 - 23500	SCUPER	6.0 m Long
95	23600 - 23625	SCUPER	6.Om Long
96	23875 - 23900	HPC	1.0 m Dia
97	24325 - 24350	SCUPER	6.0 m Long
98	24225 - 24250	SCUPER	6.0 m Long
99	24650 - 24675	HPC	1.0 m Dia
100	24850 - 24875	RCC Culvert	6.0 m Span
101	25075 - 25100	SCUPER	6.0 m Long
102	25350 - 25375	HPC	1.0 m Dia
103	25575 - 25600	HPC	1.0 m Dia
104	25950 - 25975	HPC	1.O m Dia
105	26625 -26650	SCUPER	6.0 m Long
106	26525 - 26550	RCC Culvert	6.0 M Span
107	26675 - 26700	26875 RCC Culvert	2.0 M Span
108	26875 - 26900	HPC	1.0 m Dia

18.3 Abstract of Cost

Unit rates will be derived by using the "Schedule of Rates for Road Works, Culvert works and Carriage etc. (JKRRDA)". The abstract of Cost estimate is given in the Table below.

S.No	Description of Item	Unit	Quantity	Rate (Rs)	Amount (In Lacs)
01	02	03	04	05	06
1	Earthwork in excavation in hilly terrain				
a.	All kinds of soil	Cum	370871.55	115.00	426.50
b.	Ordinary rock not requiring blasting	Cum	140354.67	201.00	209.75
c.	Hard Rock	Cum	94408.17	343.00	323.82
d.	Earth filling in embakment	Cum	3105.33	58.00	1.80
d.	Disposal of excavated mulba including Loading, unloading av. Lead 1km in dumping yard. @ 50% of a	Cum	~~250000.00~~ 111261	50.00	~~125.00~~ 55.63
				T=	~~1036.87~~ 1015.70 lacs.
2.	C.D Works 1.0M & 1.50M RCC Box Culvert			3-18 2.92	
a.	~~Const. of 1.0 Mtr Dia RCC Culvert~~	No	49	~~2.64~~	~~139.16~~ 156.02
b.	Const. of 2m span RCC Culvert	No	09	8.46	76.14
c.	Const. of 3m span RCC Culvert	No	~~05~~ 6	12.13	~~60.65~~ 72.78
d.	Const. of 6m span RCC Culvert	No.	~~13~~ 12	24.16	~~314.08~~ 289.92
e	Const. of 6.00 Mtr Long Scupper	No	31	5.60	173.60
				T=	~~763.63~~ 751.60 lacs. (768.46)
3.	Const. of Semi Pucca Walling:-				
a.	Semi Pucca R/Wall Av.Height 2.0 m	Rmt	315	7133.00	22.46
b.	Semi Pucca R/Wall Av.Height 3.0 m	Rmt	2120	12495.00	264.89
c.	Semi Pucca R/Wall Av.Height 4.0m	Rmt	965	18963.00	182.99
d	Semi Pucca B/Wall Av.Height2.55m	Rmt	1401	6551.00	91.77
				T=	562.11 lacs.

PROFORMA-C

PRADHAN MANTRI GRAM SADAK YOJANA
CHECK LIST FOR P.I.U. & S.T.A.

To be filled in by PIU

1	Location : State J&K		District: Reasi	Block: Chasana
2	Package No JK – 14-567			
3	Name of Road : From : Kundardhan		To: Mamankote	
4	Length (Kms): Total: 27.000 Kms. In built up area: 0.000 Kms. In open area: 27.000 Kms.			
5	Estimated cost:- ~~2422.15~~ 2337.43 lacs		Cost/Kms :Rs ~~89.70~~ 86.57 lacs	
6	Type of Proposal:		New connectivity	
*	If the proposed road is a New Connectivity		Yes	
-	Is the road is the part of core network		L-034	
-	Name of the un-connected habitation (to be cross checked with CN-6)		Mayakund, Berd, Thalkot, Kalwala, Shergarhi, Mamankot Upper, Mamankot Lower	
-	Does the proposed road lead up to the habitation for which it is supposed to provide connectivity (in other words are you sure that the road is not being made partially?)		Yes	
-	Does the proposed road connect the un-connected habitation to a) Another Habitation having all weather road b) Directly to an All-weather road If (b), indicate the nature of road to which proposed road leads.	(a)	(b)	
		RR	MDR	SH / NH
*	**If the Proposal is for Up-gradation** Is the road apart of the core network		Yes/No	
-	Is it associated Through Route or not		Yes/No	
-	(in case if it is not associated TR) Wheather		Yes/No	
-	PCI has been done		Yes/No	
-	Age of road given			
-	It is certified that there are no other un-connected habitations in the District.		Yes/No	
	Population sub-served by the proposed road		280 Souls	
7.	(a) **Whether the proposed road** has the desired carriageway width, Roadway width and road land width (RL.W)		4614 ~~Yes~~/No	
	(b) **Indicate the actual widths** of the following for the proposed road.	In the Built up area (m)	In the open area (m)	
	(i) Carriage way	3.00	3.00	
	(ii) Roadways	6.00	6.00	

4.	Providing & Fixing of PMGSY Boards:				
A	P/F of Citizen Informatory Board	Each	~~84~~ 6	14494.00	~~0.29~~ 0.87
B	P/F of PMGSY Logo after every 2Km	No.	13	10000.00	1.30
C	P/F Kilo Meter Stones Ordinary	Each	27	1478.00	0.39
f.	Provision for tracer path cutting including survey and setting out etc.	Km	27	~~27000~~ 20	~~7.29~~ 5.40
g.	Provision for Preparation of DPR & Painting of Boards ,Lines, Dashes, Arrows etc. as per Technical Specification Clause 1702.	LS	-	-	~~0.30~~ 0.06
			T=		~~9.84~~ 8.02
			G.TOTAL		2422.15 Lacs.

2337.43 (2354.29)

86.52 lac/km

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

Executive Engineer,
PMGSY Division,
Mahore.

Stage 2 DPR checked & scrutinized for Rs. 2337.43 lacs.

11.1.2017

H.	Road Logo, other Road furniture		Cost 8.02	Lacs
			Total = Rs. 2337.43 lacs	
I.	Five Year Routine Maintenance	Yr 1 Yr 2 Yr 3 Yr 4 Yr 5	Cost	% of Const. Cost
12.	Whether the road has Geometric as per Rural roads manual (RRM)		Yes	
13.	Whether CD works/protection work are provided as per RRM.		Yes	
14.	Whether the cost estimates are as per standard data analysis and SSR		Yes	
	Certified that information provided is true			

Prepared by:-

Asstt Ex. Engineer
PMGSY Sub-Division
Mahore.

Checked by:-

Executive Engineer
PMGSY Division
Mahore

Scrutinized by:-

Superintending Engineer
PMGSY Circle
Reasi.

TYPICAL CROSS - SECTION