

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

Government of Jammu & Kashmir



DETAILED PROJECT REPORT

HAROG TO HALLA (via TATTA PANI) **STAGE - I**

LINK ROUTE : L027

Package No.: JK 14-525

JK-14-525 LINK-L027

Block:

Gool

District:

Udhampur (Ramban)

State:

Jammu & Kashmir

Estimated Cost:

799.47
Rs. ~~857.75~~ Lacs

Cost Per Km:

96.22
Rs. ~~103.34~~ Lacs

Code No:

Length of Road:

8.30 Kms

No. of Villages Linked:

01 Nos

Name of Villages:

Halla

Population:

954

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

TECHNICAL REPORT

Name of Scheme:- Construction of Link road from Harog to Halla (via Tatta Pani)

State: J&K

District:- Udhampur (Ramban)

Block:-Gool

Length:- 8.30 Kms

Authority:-

History & Necessity:-

The village Danghari situated towards North West of Gool Block of District Ramban, having a population of approx. 954 souls is still unconnected with any motorable road. The habitation is in the core network. The people of the area desired to connect the village with its take off point from Tattapani road. After examining the entire route thoroughly, the road will pass through paddy fields/forest land. Besides this, huge amount is required for compensation of private land/structures, State land & forest land. The total length of the road shall be 8.30 km to connect the village Halla with the following specification & proposals: Index map (attached) showing the proposed road/other PMGSY/PWD roads & nallas. The road when constructed shall benefit to the socio-economy of the area, easy to take the local dairy produce as well as agriculture produce such as maize, wheat, milk etc. to the market. The health care & educational fields shall also uplift with the construction of this road. As such the D.P.R of the road has been prepared taking into considerations the I.R.C specifications for sanction.

Specifications and proposals:-

- i) **Earth work cutting:-** The alignment of the road is almost in hilly terrain & road shall be constructed by way of earth work cutting with proposed grade 5% to 6% & Zigs shall be provide about 20 no's at different locations. There is no other alternative to avoid Zigs. Being hilly terrain the classification of the soil has been taken as per site. However average classification of soil from km 1st to 9th (RD 300) comes as 'All kinds of soil 62.05% Ordinary Rock 21.63 % & Hard Rock 16.32%'.

- ii) **CD Works:-** Several drainage crossings have been proposed at required locations as under:

- a) 1000 mm dia Hume Pipe Culvert = 19 no's
b) 6 m long Scupper = 5 no's

- iii) **Protection Works:-**

Protection Works shall also be provide at different locations as per site condition

- a) 4.00 m height R/wall = 1435 m
b) 3.00 m " " = 350

Name of Scheme: Harog to Halla (via Talha Pani) STAGE - I
Length: 8.30 km

Block: Gool
District: Udhampur (Ramban)

- b) 2.50 m height B/wall = 1175 m
- c) Edge wall = 670 m 600
- d) Crated wall = 1050 m 950

Other Provision:-

Other provisions have been kept in the project like Preparation of DPR, PMGSY Logo Board, Sign Boards etc.

Compensation:-

The road passes through paddy fields/forest land & requires a huge amount of compensation. However, the compensation amount has not been incorporated in the DPR as per norms of PMGSY.

Specifications:-

The Earth work in cutting of the road shall be executed through machinery with formation width of the road as 5.50 m & 2 no's passing zones in each Kms as per norms of PMGSY. The CD works like Scuppers & Hume Pipe Culverts shall be constructed as per PMGSY norms with specifications as under

The foundation of Abutments of Drop wall of Scupper, Hume Pipe, Retaining wall, Breast wall shall be constructed in cement concrete M-10. The superstructures of Drop walls/Hume Pipe Culverts shall be constructed with cement concrete M-15 Grade. The Approaches shall be constructed by way of bands with stone masonry 1:6 mix and dry panels. Retaining walls & Breast walls shall also be constructed by way of bands with stone masonry 1:6 mix & panels with dry masonry. The slab of Scupper shall be in cement concrete M-20 Grade with nominal reinforcement. The height of Drop walls have been proposed as 4 mtr. While as the length as in 6 m long Scupper & Hume pipe Culverts as 6.00 m in width side approach walls 3 m in length & 2.50 m in height. The major Bridges shall be constructed as per design & I.R.C specifications.

Time & Cost:

The project shall be constructed Rs. 988.96 lacs excl. Compensation as per General Abstract of Cost (enclosed) & shall be completed in 2 Years as per norms of PMGSY subject to availability of funds & clearance of compensation to private structures/land & forest land/trees.

Jr. Engineer
PMGSY Sub-Division
Gool

Assistant Executive Engineer
PMGSY Sub-Division
Gool

Executive Engineer
PMGSY Division
Ramban

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

Package Summary

Package

State : Jammu & Kashmir

PROFORMA - B

District : Ramban

Package											State, Jammu & Kashmir										
S.No.	Name of Block	Name of Road		Type of Proposal (N/U)	Proposed Length (Km)	Cost of Construction (Rs in lacs)	No. of CD works/1 no of Bridge	Cost of Protection Works (Rs. In lacs)	Total Estimated Cost (Rs in lacs)	Average cost/Km (Rs in lacs)											
		From	To																		
1	Gool	Harog (via Tatta Pani)	Halla	Stage - I	8.30 Km	306.35 306.14	18M	358.87 550.74	0	2.07 36.08											
Total Constructed cost = Rs 799.47											Add for road safety & traffic sign boards = 2.07										
Add for preparation of DPR/CBR Test, Photography, & Add for 5 year routine maintenance = 0.06											Total 799.53										

PRADAN MANTRI GRAM SADAK YOJANA (PMGSY)

SUMMARY SHEET

Name of Block	Total No. of habitations	Unconnected habitations				Connected habitations	Package No.	
		<1000	500-1000	150-500	<500			Total
2001	76	23	20	3		46	30	
						Total		
Type of work	No. of lanes	Total length of road (km)	No. Of new CD Structures	Pavement from Format F-5 (Rs. in lacs)	C.D. Structures from Format F-2 (Rs. in lacs)		Total (Rs. in lacs)	No. Of new villages connected
					(Rs. in lacs)	(Rs. in lacs)		
CD Works	2	3	4	5	6	7	8	9
			CD Works = 24 nos. & Bridges = 1		CD Works	Bridges		
			24-33		4-55	66-32	480442	
			30014		77		350187	
			Protection works					
			Trace path cutting incl. Setting out & survey					
			PMGSY Logo & Sign interval incl. Take off					
			Sign Board @ 2 km interval incl. Take off					
			Cinema information board					
			Preparation of D.P.R.					
			Total					
			Cost per Km = Rs. (in lacs)					
			965000/101					

PMGSY Supervisor

 PMGSY Division
 COOCL

Assistant Executive Engineer

 PMGSY Division
 COOCL

Executive Engineer

 PMGSY Division
 Baramulla

Superintendent Engineer

 PMGSY Circle
 Baramulla

S.T.A

PRADAN MANTRI GRAM SADAK YOJANA (PMGSY) GENERAL ABSTRACT OF COST

S.No.	Description	Unit	Quantity	Rate Rs./P	Amount (in Lacs)	Total Amount (in Lacs)
1	HILL ROAD Earth work in hilly areas by mechanical means km 1st to 9th (RD300) Km	cum	184376.72	162.34	29923.60.14	29923.60.14
2	CROSS DRAINAGE WORK i) 6 m Span Scupper	No.	5	503725.00	2519	2519
	ii) 1000 mm dia Hume Pipe Culvert	No.	19	246519.00	4684	4684
3	PROTECTION WORKS i) Retaining Wall	mt.	1175	6903	8111	8111
	ii) Breast Wall	mt.	678	2203.00	1496	1496
	iii) Edge wall	mt.	1050	11945.00	12542	12542
	iv) Creted Wall	mt.	1050	11945.00	12542	12542
4	MISCELLANEOUS i) Trace path cutting including setting out with reference pillars, back pillars, Survey	Km	2.00	14513.00	29026	29026
	ii) PMGSY Logo @ 5km interval incl. Take off	No.	3.00	2857.00	8571	8571
	iii) Sign Board @ 2km interval Excl. Take off	No.	1.00	18000.00	18000	18000
	iv) Citizen information board	Job	1.00	18000.00	18000	18000
5	BRIDGES 15 mtr Span Steel Bridge in km 7th RD 6/0-6/18	PM	15	480000.00	7200	7200
	Grand Total Rs				98896	98896

Cost per KM = Rs 119.15

Leg

S.T.A

Superintending Engineer
PMGSY Circle
Batore

Executive Engineer
PMGSY Division
Rambar

Assistant Executive Engineer
PMGSY Division
Batore

PMGSY Division
Batore

Stage II DPR checked for 799.47
sevalimised for 16.885
which include a 15m open
bridge.

18000

24/12/16

300.14

43.96 = 14m 5m 4m
17815 PM 4m 4m

358.87

799.47

95.32

5003

PRADAN MANTRI GRAM SADAK YOJANA (PMGSY)

ROAD PROPOSED IN PMGSY FOR RURAL CONNECTIVITY
CROSS DRAINAGE STRUCTURE

							Existing CD Structure by type														
Sl. No.	Name of Block	Block Code	Name of Road	Villages being connected	Population	Road Length	Hume Pipe Culverts						RCC Culverts		Causeways						
							8	9	10	11	12	13									
1	2	3	4	5	6	7															
Gool	JK14-05	Harog to Halla (via Tatta Pani)	Halla	Total:-		8.30 Km															
							Details of proposed CD Structures														
							Hume Pipe Culverts		RCC Culverts		Scupper		Total Cost of CD Structure Rs in Lacs				Total Cost from Format		F5 Grand Total Cost (21+22)		
							No.	Dia	No.	Span	No.	Length									
							14	15	16	17	18	19	20	21	22	23					
Quantity	19	1000 mm	-	-	5	6 m	CD = 24 Nos Bridge = 1 No	66.32 72.00													
Amount in lacs																					

Cost per Km Rs (in lacs)

52.83/km.

Jr. Engineer

PMGSY Sub Division

Assistant Executive Engineer

PMGSY Sub Division

PMGSY Sub Division

Gool

Executive Engineer

PMGSY Division

Ramban

Superintending Engineer

PMGSY Circle

Batote

S.T.A

PRADAN MANTRI GRAM SADAK YOJANA (PMGSY) DIVISION RANBARI

PMGSY Sub Division

JK No. 140505

ROAD PROPOSED IN PMGSY FOR RURAL CONNECTIVITY DETAILS OF PROPOSED STRUCTURE BY TYPE

Total (in lacs):-

96-07 Jan / cm
98-08

Superintending Engineer
PMGSY Circle
Batote

STA

PARDHAN MANTRI GRAM SADAK YOJANA (PMGSY)

ROAD PROPOSED IN PMGSY CONNECTIVITY (PAVEMENT LAYERS)

Sl. No.	Name of villages connected by road		New construction/ Upgradation (Use N/U)	Facility accessed (Use A, B, C, D)	Road length (km)	Existing Surface Type	Details	Clearing & Grubbing	Earth work Sub Grade preparation	WBM1	WBM2	WBM3	Prime Coat	BOE Edging	Track Coat	Surface (any one)		Total cost pavement (Sum of 9 to 18)
	From	To														MMS	OMC with seal coat	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Harog (via Tatta Pant)	Halla	New		8.30		Qty. Amount in lacs	-	184376.72	-	-	-	-	-	-	-	-	3570
								0	20035 30000	0	0	0	0	0	0	0	0	20035
Cost per KM = Rs (in lacs)																		
36.56 lacs/km																		

[Signature]
 Engineer
 PMGSY Sub Division
 Sironia

[Signature]
 Assistant Executive Engineer
 PMGSY Sub Division
 Gool

[Signature]
 Executive Engineer
 PMGSY Division
 Ramban

[Signature]
 Superintending Engineer
 PMGSY circle
 Barote

S.T.A

Block: Ramban

Length of Road:- 8.30 Km

In Open Area = 4.00 Km

is certified that there are no other unclaimed

Halla

9652

	Area (m)	Motorized area (m)
7.	3	3
i) Carriage way	5.5	5.5
ii) Roadway	6	6
iii) Road lane width	5.5	5.5
	12	12

CROSS SECTION DETAILS

8 Base year traffic Volume											Total	
Bus / Truck		LCV/Mini Bus/ Tractor Trailer		Car/Van/ Jeeps	Three wheelers	Two wheelers	Cycle Rickshaw	Cycles	Bullock	Motorized	Non Motorized	
Laden	Unladen	Laden	Unladen									
ADT in the Year of traffic count = 38.5				Base Year traffic AADT(= 53.92)		Design Life = 10 Years		Traffic Category = 3				
Growth rate adopted % =				Number of Harvesting		Number of days in		Value of (n) assumed = 1				
9 Chainage												
Design												
CBR %												
10 Cost details												

10 Cost details

A. Pavement Component					Description of the layer			Thickness in (mm)	Quantity	Cost in Lacs	Cost/Km
					Trench Cutting to lay GSB						
					Earth work cutting				184376.72	160.72	296.33
					Earth work filling (Shoulder) Berm Filling						
					Granular Sub Base II						
					WBM - III						
					B. Bituminous Layers						
					Prime coat						
					Continuous Macadam						
					Tack Coat						
					Semi dense 20 mm (OGPC)						
					Total Cost 6 mm						

399-27: Law
 399-27: Law

Assistant Executive Engineer
Assistant Engineer
P.M.S. Sup. Division

Executive Engineer
PMGSY Division
Ramban

Superintending Engineer
PMGSY Circle
Batote