

GOVERNMENT OF JAMMU AND KASHMIR

DETAILED PROJECT REPORT

FOR
WIDENING AND UPGRADATION OF ROAD FROM

*Taratpora Vilgam to Waisa via Shenpora
Cherpawa Kulwari Lilam*

UNDER

PARDHAN MANTRI GRAM SADAK YOJANA

PACKAGE: JK08202

DISTRICT: KUPWARA

BLOCK: RAMHAL

LENGTH OF ROAD: 8.50 KM

Cost of Project:	1123.38 Lacs	1061.45 lacs.
Maintenance Cost	87.47 Lacs	132.43 lacs.
Renewal SDBM Coat	196.35 Lacs	196.35 lacs.
Total Cost:	1407.20 Lacs	1390.23 lacs.

Executive Engineer
PMGSY (JKRRDA) Division
Hafidwara

2. Planning and Basic Design Consideration

2.1 Key maps

DRRP of Block Ramhal

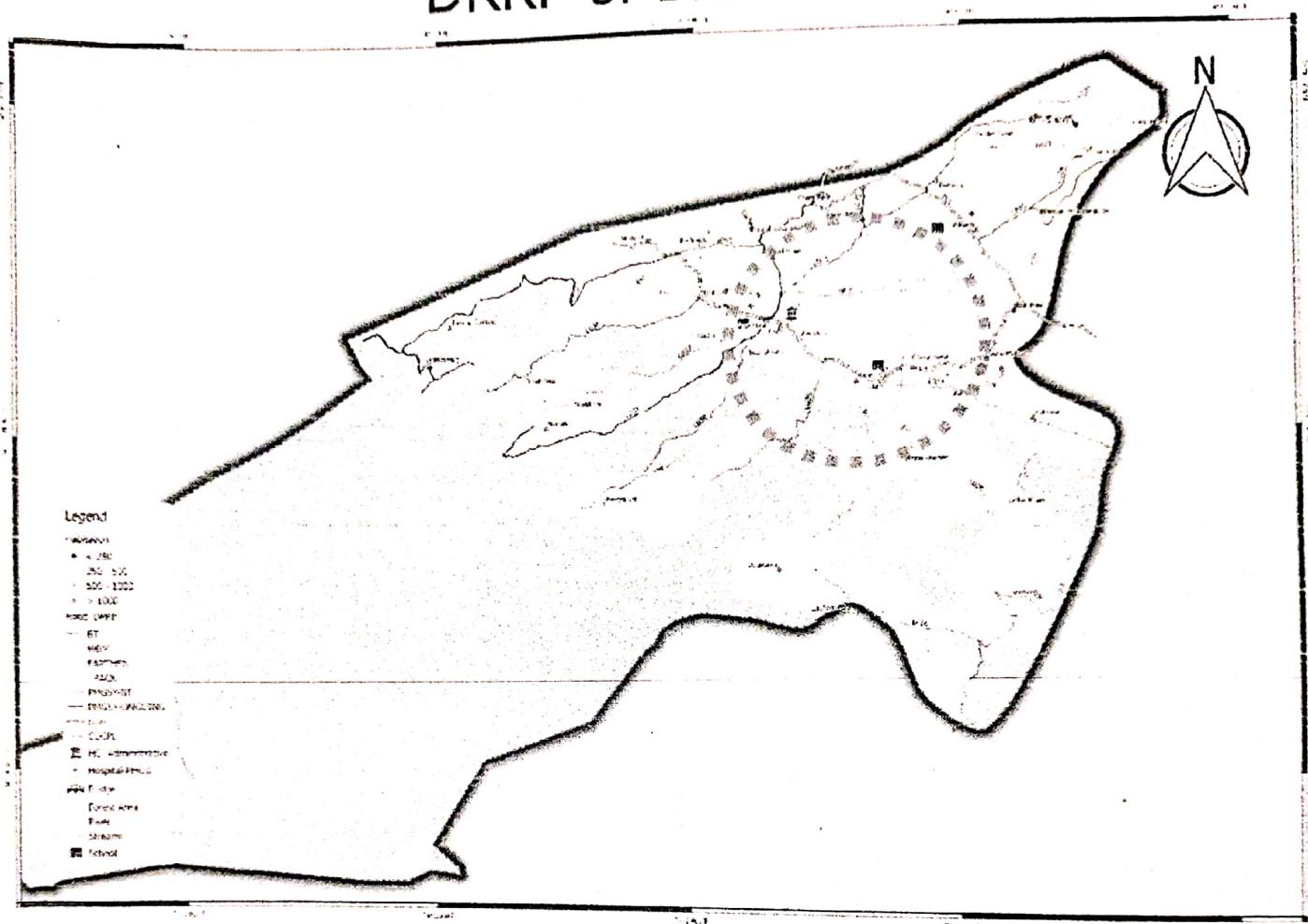


Figure-1 Section of Block Maps showing all existing connectivity like District/block HQ, new townships, National and State highway network, mandis, hospitals, colleges, schools etc.

2.2 Preliminary alignment investigation:

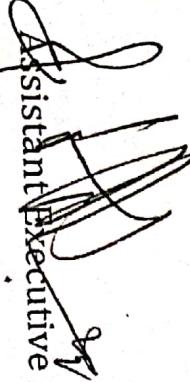
A strip plan for the road under study is enclosed.

Cross Sectional Details Of Pavement

Existing Carriage Way	
OGPC+Seal	26 mm
Bituminous Macadem	50 mm
WBM	75 mm
Existing Crust	300 mm

Widening Carriage Way	
OGPC+Seal	26 mm
Bituminous Macadem	50 mm
WBM	75 mm
GSB	300 mm


 Executive Engineer
 PMGSY Division Handwara


 Assistant Executive Engineer
 Subdivision Handwara/Langate

Pradhan Mantri Gram Sadak Yojana (PMGSY)

Name of Road: Taratpora Wilgam to Waisa Via Shenpora Cherpawa Kulwari Road

lilam

Block: Ramhal

Road Length: 8.5 Kms

Project Costing

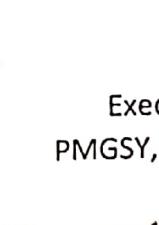
S.No.	Items	Unit	Qty.	Rate in Rs.	Amount in Lacs
1	Cutting of Trees:				
	a) 300 - 600 mm Girth	Nos.	750.00	130.20	0.98
	b) 600 - 900 mm Girth	Nos.	650.00	205.26	1.33
					2.31
2	Site Clearance	Hect	2.98	35069.63	1.04
3	Earth Work:				
	a) Excavation for Roadway Cutting	Cum	9862.00	129.20	12.74
	b) Filling earth available from Roadway Cutting	Cum	7889.60	68.06	5.37
	c) Embankment filling from borrow pits	Cum	5826.40	304.12	17.72
	d) Excavation for road work soil with hydraulic excavator of 0.9 cum bucket capacity	Cum	2337.50	56.11	1.31
					37.14
4	Cross Drainage			268893.73	8.07
	a) 1000mm dia. Single Row	Nos.	3.00	294550.67 261220.52	8.64
	b) 750mm dia. Single Row	Nos.	5.00	282401.22	14.12 13.06
	c) 450mm dia. Single Row	Rm	90.00	4125.00	3.71
	d) 300mm dia. Single Row	Rm	50.00	3127.00	1.56
	e) Culverts	No.	3.00	1068190.40 1107080.86	33.21 32.06
	f) PCC Drain	Rm	1800.00 2101.50	3888.42 3464.56	45.93 64.49
	g) Kutcha Drain	Rm	4000.00	17.04	0.68 ✓
					138.05- 129.14
5	Protection Works			14335.15	
	a) R/Wall	Rm	1125.00 1225.00	14145.23	173.28 161.27
	b) B/Wall	Rm	150.00	9279.81	13.92
	c) Toe wall	Rm	850.00	3835.15	32.60
					219.80- 207.79
6	Pavement				
	a) Granular Sub-Base	cum	10253.03 13040.44	1334.13	173.98 136.79
	b) WBM-III	Cum	4189.50	3165.04	132.60
	c) Priming Coat	Sqm	49087.50	59.89	29.40
	d) Tack Coat	Sqm	49087.50	16.63	8.16
	e) 50mm Bituminous Macadam	Cum	2454.38	9433.88	231.54
	f) 20mm thick OGPC	Sqm	49087.50	202.60	99.45
	g) Seal coat	Sqm	49087.50	58.92	28.92
	h) Shoulders	Cum	2550.00 1912.50	600.00	45.38 11.48

S.No.	Items	Unit	Qty.	Rate in Rs.	Amount in Lacs
		Sqm	9450.00	10.92	1.03
	i) Scarifying				720.39 679.37
					2.65
					1121.38 1059.45
7	Road Furniture				
	TOTAL			2.00	
	Add for c/o Project Preparation, Documentation and survey @ 20000/- per Km				1123.38 1061.45
	Total Cost of Construction				86.45 132.43
	5 yrs Routine Maintenance Cost				196.35
	Renewal Coat 6th year (SDBM)				1406.18 1390.23
	Total Cost of Project				


Assistant Executive Engineer

PMGSY, SD-Handwara/Langate


Executive Engineer
PMGSY, Division Handwara


Executive Engineer
PMGSY Division
Handwara

To be Filled by State Technical Agency

Name of STA: NIT SRINAGAR

Name of Road: WIDENING / UPGARADATION OF DOLIPORA TO MANZGAM

15. Is the Proposed road entered on the OMMAS

YES / NO

(Data entries to be verified by STA before clicking the proposal)

16. If the proposal is for New Connectivity:

YES / NO

- Have you satisfied yourself that the proposed road is a part of Core Network YES / NO
- Is the unconnected Habitation(s) part of list of unconnected Habitation (s) as per CN-6 YES / NO
- Does the Proposal ensure full connectivity to Target Habitations?
 - (a). If no, the name of Unconnected Habitation up to which it is Connected YES / NO
 - (b). If such unconnected Habitation eligible under PMGSY YES / NO

17. Are you satisfied with the following:

YES / NO

- Engineering Surveys (L-section, x-Section must be verified) YES / NO
- Soil / Material investigation (CBR, Density, LL, PI, Gradation to be verified) YES / NO
- Traffic Surveys / Estimation YES / NO
- Hydraulic Studies:
(Catchments for structures with more than two vents to be verified from TOPO Sheet. Location and requirement of all CD Structures to be verified from L-Section) YES / NO

18. In Case, Traffic is projected beyond T4 Category, are you satisfied with the reason given by P.I.U

YES / NO

19. In case, Sub-Grade CBR is less than 3; has Soil Stabilization etc. been proposed? Heavy Compaction for sub-grade reqd
(If not, specify reasons given by P.I.U)

YES / NO

20. Is the design of the following elements as per Rural Road Manual / Circular of NRRDA?

YES / NO

- Alignment and Geometrics YES / NO
- Location and type of CD Works YES / NO
- Side Drains YES / NO
- Integration for Cross and Longitudinal Drainage YES / NO
- Protection Works YES / NO

21. Is the design of Flexible Pavement as per IRC SP: 72-2007 and

design of Rigid Pavement as per IRC-62-2004

YES / NO

22. Doe the Estimation Conform to Standard Rate Analysis as SSR generated for the current Phase	YES / NO
23. Does the Proposal have provisions for:	YES / NO
➤ PMGSY Logo, Sign Boards and Information Boards, Km/ Hm Stones	YES / NO
➤ Guard Stones (where necessary)	YES / NO
➤ Traffic Sign Boards	YES / NO
➤ 5 year maintenance cost estimated on lump-sum basis	YES / NO

24. Specific Remarks, if any, by STA

(Specific remarks of STA about the overall project are necessary on each DPR)

The DPR is for upgradation of a 8.50 km long road to 5.50m carriageway width and includes primarily improvements in pavement structure, drainage & slope stability aspects.

Certified that the Design and Estimation for the Proposed road work is based on the data and SSR Provided by PIU Engineers. The proposal after final correction is entered on the OMMAS. The Proposal may be considered for Clearance.

Technical Scrutiny at STA done by:

Signature

Name:

Date

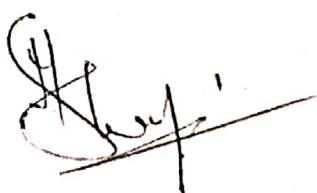
Prof. F. A. Mir & Prof. H. Shafi Mir

Co-Ordinator STA

Signature:

Name:

Date:



Dr. Mohammad Shafi Mir
Professor
Civil Engineering Department
National Institute of Technology (NIT) Srinagar
Hazratbal Srinagar, J&K - 190006