

**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**

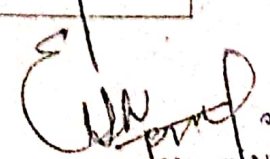
**PACKAGE: JK08202**

**DISTRICT: KUPWARA**

**BLOCK: RAMHAL**

**LENGTH OF ROAD: 8.50 KM**

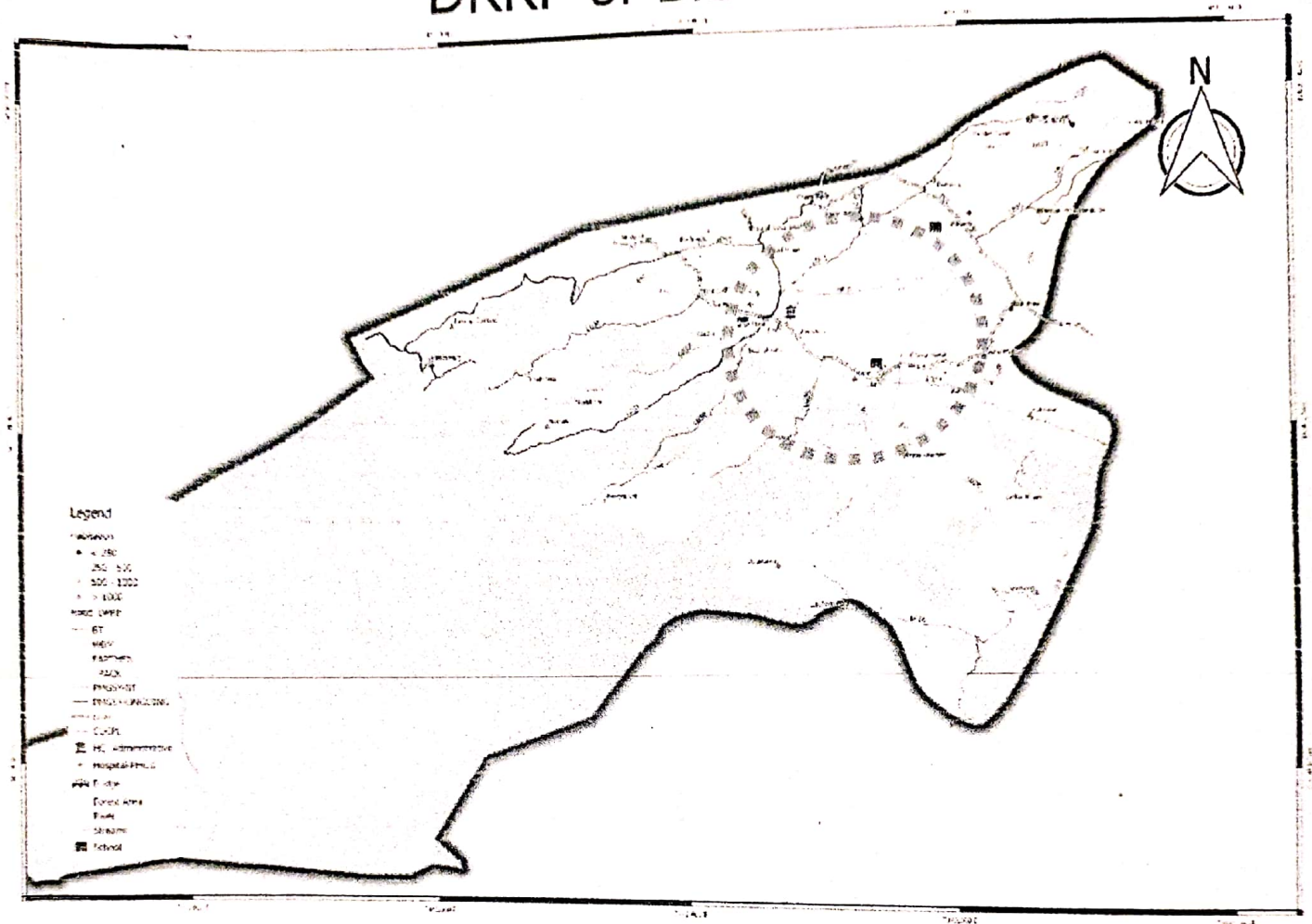
Cost of Project:	<del>1123.38</del> Lacs	1061.45 lacs.
Maintenance Cost	<del>87.47</del> Lacs	132.43 lacs.
Renewal SDBM Coat	196.35 Lacs ✓	196.35 lacs.
Total Cost:	<del>1407.20</del> Lacs	1390.23 lacs.

  
Executive Engineer  
PMGSY (JKRDA) Division  
Haidwara

## 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.

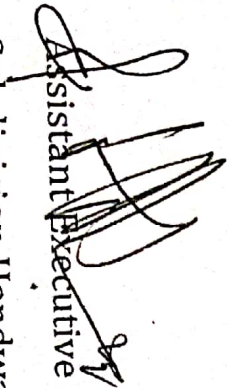
### 2.2 Preliminary alignment investigation:

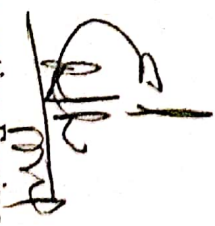
A strip plan for the road under study is enclosed.

## Cross Sectional Details Of Pavement

Existing Carriage Way				
OGPC+Seal	26 mm	450 mm		
Bituminous Macadem	50 mm			
WBM	75 mm			
Existing Crust	300 mm			

Widening Carriage Way				
OGPC+Seal	26 mm	450 mm		
Bituminous Macadem	50 mm			
WBM	75 mm			
GSB	300 mm			

  
 Assistant Executive Engineer  
 Subdivision Handwara/Langate

  
 Executive Engineer  
 PMGSY Division Handwara



Format F-2A

### Road Proposed in PMGSY for Rural connectivity (Pavement Layers)

Locs

S.No.	Block	Name of Habitations Connected / benefitted	New Const./ Upgradation (Use N/U)		Facilities accessed (Use A/B/C/D)	Road length (km)	Existing Surface Type	Details																								Total cost of Pavement in Lacs
			From	To				N	U	Thickness (mm)	Cutting / Uprooting / Site Clearance	Earthwork	Scarifying	GSS	WBM -III	Bitumen Macadam	Prime coat	Tack coat	20mm OGFC	Seal coat	Should- ers	Drain	Protectio n Works	Misc Cost	Sum of (10 to 24)							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25								

卷一百一十五

**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	<b>Cutting of Trees:</b>				
	a) 300 - 600 mm Girth	Nos.	750.00	130.20	0.98
	b) 600 - 900 mm Girth	Nos.	650.00	205.26	1.33
					<b>2.31</b>
2	<b>Site Clearance</b>	Hect	2.98	35069.63	1.04
3	<b>Earth Work:</b>				
	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
					<b>37.14</b>
4	<b>Cross Drainage</b>			<b>268893.73</b>	<b>8.07</b>
	a) 1000mm dia. Single Row	Nos.	3.00	<del>294550.67</del>	<del>8.84</del>
	b) 750mm dia. Single Row	Nos.	5.00	<del>261220.52</del>	<del>14.12</del>
	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	<del>1068790.40</del>	<del>32.21</del>
	f) PCC Drain	Rm	<del>1800.00</del>	<del>1107080.86</del>	<del>33.21</del>
	g) Kutcha Drain	Rm	<del>2101.50</del>	<del>3888.42</del>	<del>75.93</del>
					<b>64.49</b>
					<b>129.14</b>
5	<b>Protection Works</b>				
	a) R/Wall	Rm	<del>1125.00</del>	<del>14335.15</del>	<del>173.28</del>
	b) B/Wall	Rm	150.00	9279.81	13.92
	c) Toe wall	Rm	850.00	3835.15	32.60
					<b>207.79</b>
G	<b>Pavement</b>				
	a) Granular Sub-Base	cum	<del>10253.03</del>	1334.13	<del>173.98</del>
	b) WBM-III	Cum	<del>13046.44</del>	3165.04	<del>136.79</del>
	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	<del>2550.00</del>	600.00	<del>15.30</del>
					<b>11.48</b>
			<b>1912.50</b>		



S.No.	Items	Unit	Qty.	Rate in Rs.	Amount in Lacs
		Sqm	9450.00	10.92	1.03
	i) Scarifying				<del>720.39</del> 679.37
					2.65
					<del>1121.38</del> 1059.45
7	Road Furniture				2.00
	TOTAL				
	Add for c/o Project Preparation, Documentation and survey @ 20000/- per Km				2.00
					<del>1123.38</del> 1061.45
	Total Cost of Construction				<del>86.45</del> 132.43
	5 yrs Routine Maintenance Cost				196.35
	Renewal Coat 6th year (SDBM)				<del>1406.18</del> 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
- Is the unconnected Habitation(s) part of list of unconnected Habitation (s) as per CN-6
- Does the Proposal ensure full connectivity to Target Habitations?
  - (a). If no, the name of Unconnected Habitation up to which it is Connected
  - (b). If such unconnected Habitation eligible under PMGSY

YES / NO

YES / NO

YES / NO

17. Are you satisfied with the following:

YES / NO

- Engineering Surveys (L-section, x-Section must be verified)
- Soil / Material investigation (CBR, Density, LL, PI, Gradation to be verified)
- Traffic Surveys / Estimation
- 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

YES / NO

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
- Location and type of CD Works
- Side Drains
- Integration for Cross and Longitudinal Drainage
- Protection Works

YES / NO

YES / NO

YES / NO

YES / NO

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

YES / NO

design of Rigid Pavement as per IRC-62-2004

22. Does 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. Shafiq 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