

GOVT OF JAMMU & KASHMIR

I&K RURAL ROADS DEVELOPMENT AGENCY

(BHARAT NIRMAN)

PRADHAN MANTRI
URBAN SADAK YOJANA

DISTRICT SAMBA (J&K STATE)

NAME OF THE ROAD : L021 T05 Papar
Abtara to Papar Brahmana

BLOCK : Samba

PACKAGE NO : JK05-158

STAGE : II

LENGTH : 4.00 Kms

ESTIMATED COST : Rs. 216.79 Lacs

**FIVE YEAR
MAINTENANCE COST** : Rs. 17.34 Lacs


Executive Engineer
PMGSY Division
Jammu

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1. Technical Report

1.1 Objectives of PradhanMantri Gram SadakYojna (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 (PradhanMantri Gram SadakYojana, 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


1.3 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 Centres. 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 PapparaBtarato PapparaBrahmana, is a link road with Code{L021} in {Samba} block of {Samba} District. This road directly connects the habitations of {PapparaBrahmana} with populations of {659} respectively. Thus this link road serves the total population of {659}


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1.4 Geography

The Proposed road takes off from PapparaVillage to PapparaBrahmana. The whole road passes through Mountainous terrain.

1.5 Climatic Condition

This area falls in Subtropical temperate region, having average minimum temperature 18.7°C and maximum average 30°C. However extreme min falls to 0.6°C and max shoots to 47.2°C. Climate is moderate to very cold in winter season but summer is dry and moderate to hot. Rainfall is moderate to heavy.

1.6 The Sub-Project Road

The road passes through hilly terrain. The road provides connectivity to Village PapparaBrahmana. Two Primary schools are also connected by this road. Protection works and CD Works are to be provided through the road.

District	Samba
Block	Samba
Road Name	PapparaVillage to PapparaBrahmana
Road Code	L-021
Package No	JK05-
Road Length	4.00 Km
Start Point	PapparaVillage latitude 32 degree 35 minutes 30 seconds longitude 75 degree 28 minutes
End Point	Pappara Brahmana 32 degree 36 minutes 30 seconds longitude 75 degree 27 minutes and 30 seconds

Sl No	Habitation benefited	Population benefited		Chainage	
		Direct	Indirect	From	To
1	PapparaBrahmana	<250	>500	0/00	4/000

Much
 PapparaVillage
 PapparaBrahmana

ABSTRACT OF COST

NAME OF THE ROAD: Paper works to Paper Block
 BLOCK: SAMP-4
 DISTRICT: SAMBA

PACKAGE NO: JACT
 LENGTH OF ROAD: 8.0 KM

S. NO.	Items	Quantity	Unit	Rate	Amount	(Rs. in Lacs)	Amount	(Rs. in Lacs)
1	Construction of french cutting	14.50	cum	118.00	-8.01		4.20	
2	G.C.C	2129.72	cum	623.00	14.87		14.87	
a	Carriage	2129.72	cum	338.16	8.13		20.17	
3	WBM Grade II	779	cum	1017.00	10.91		10.81	
a	Carriage	779	cum	403.32	3.80		11.11	
b	Stone aggregate	2129.72	cum	338.16	0.78			
c	Dust	85.88	cum	193.02	0.17			
4	WBM Grade III	1022.25	cum	998.00	10.71		10.71	
a	Carriage	1022.25	cum	403.32	3.80		11.71	
b	Stone aggregate	729.38	cum	338.16	0.76			
c	Dust	65.88	cum	193.02	-0.17			
5	Pump Cost	13680.00	Sqm	51.00	6.98		6.68	
a	Carriage & Return	13680.00	mt	528.70	0.04			
6	Tack Coat	13680.00	Sqm	18.00	2.46		2.35	
a	Carriage @ Return	13680.00	mt	528.70	0.02			
7	20mm Thick Paving	13680.00	Sqm	154.00	21.07		20.18	
a	Carriage @ Return	13680.00	mt	528.70	0.11		20.70	
b	Stone aggregate	365.36	cum	338.16	1.25		1.19	
8	Soil Test	13680.00	Sqm	59.00	8.07		6.68	
a	Carriage	13680.00	cum	193.02	0.16			
b	Soil Test	13680.00	mt	528.70	0.02		7.22	
c	Barbed	855.00	cum	280.00	2.39			
d	Retaining Wall				0.00			
e	Bit. Coat Height	500.00	Rmt	13057	65.29		65.28	
17	Braust wall	350.00	Rmt	6146	21.51		21.51	
18	Pre. Cast	750.00	Rmt	1238	9.28		9.28	
21	Chalk	10.00	nos.	20609	2.06		2.06	
22	Parquet	700.00	nus	1569	3.14		3.13	
23	Edge curb	250.00	mt	5179	12.95		12.94	
24	1000mm dia Pipe Curverts	2.00	nos.	2.57	5.14		5.14	
25	Road Safety and Traffic Sign Board				1.64		1.64	
26	5 Year Maintenance Cost				0.00		0.00	
27	Preparation of DPR Survey & CBR Testing	4.00	Km.	10000.00	0.40		0.40	
Total					223.37		241.23	

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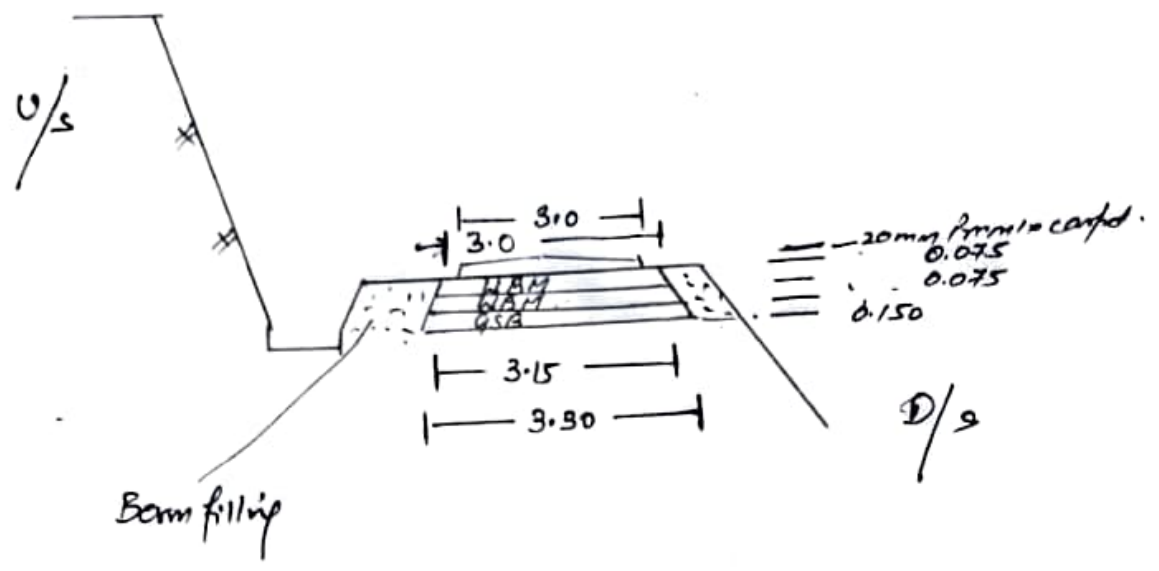
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Name of Road:- Papat Abtara to Papat Brahmana

District:- Samba

Length:- 4.0 KM.

Design of Pavement.

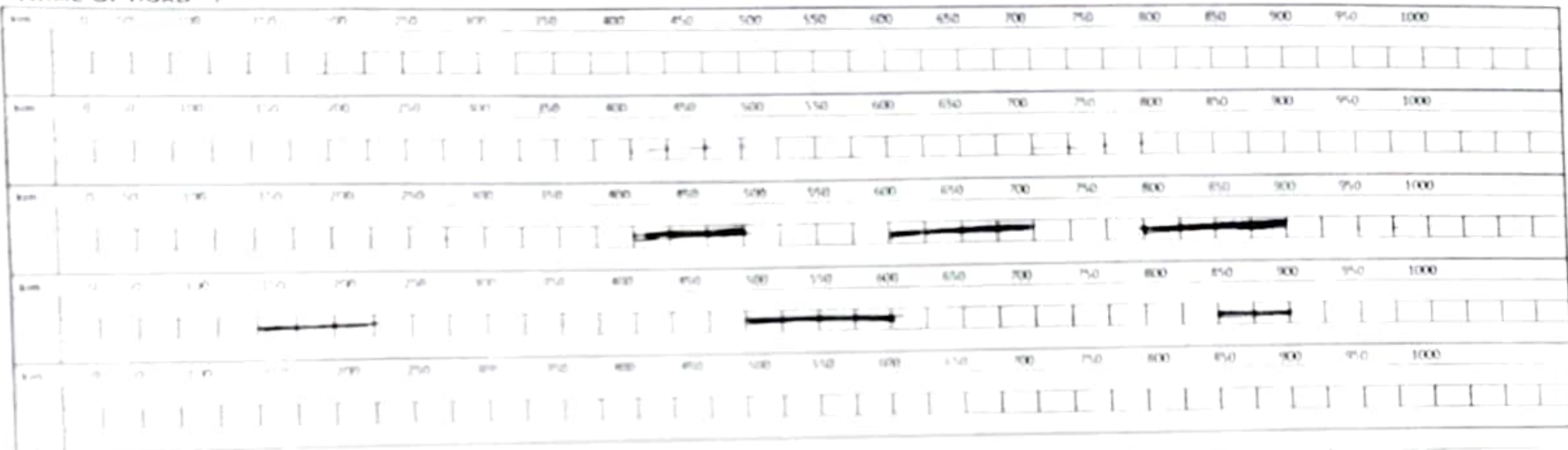


WBM-III ← 3M wide
WBM-II ← 3.15m wide
GSB ← 3.30m

Much
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LOCATION CHART OF CD & PROTECTION WORKS PROPOSED (STAGE - II)

NAME OF ROAD :



CD
BREAST WALL
RETAINING WALL

J.B.

A.K.

RETAINING WALL
BREAST WALL
EDGE WALL
CRATED WALL

RED

EXECUTIVE ENGINEER
PUGBY DIV JAMMU

(Signature)
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