

GOVERNMENT OF JAMMU AND KASHMIR



PMGSY

PRADHAN MANTRI GRAM SADAK YOJANA DETAILED PROJECT REPORT

For

Construction of Road from
Thune to Badipathri

Length = 8.00 KMs

Package	:	JK-1349	
Block	:	Kangan	
District	:	Srinagar (Ganderbal)	
Cost of the project	:	583.64 Lacs	573.74 Lacs
Maintenance	:		Lacs
Total Cost of the Project	:	583.64 Lacs	573.74 Lacs

PMGSY

(JAMMU AND KASHMIR RURAL ROADS DEVELOPMENT AGENCY)

Project Report for construction of road from Thune to Badipathri

History and necessity:-

The proposed road takes off from Srinagar-Leh National highway 51th Km. The said road is 8.00 Kms in length and is on LHS of National Highway. The Most of the population is Gojri speaking. The people of the area are mostly agriculturists and are economically & educationally backward. The inhabitants of the area are of RBA/ST status and live mostly below poverty line.

Badipathri is one of the remote village of tasil Kangan and is situated on high altitude mountain peak & are living with out basic facilities of life viz road. The all weather road connectivity will improve the standards of living of the beneficiaries by improving their educational and economic standard.

The agriculture and Horticulture yields being mostly the maize and walnut produce. In absence of the road connectivity the villagers face a lot of hardships in shifting their agricultural produce to the marketing centres.

The said road will be constructed in accordance with the PMGSY guidelines and specifications laid down from time to time.

Proposals: The road is to be constructed by way of earth work cross drainage works, protection works and drainage layer in light of the standards and specifications laid down in SP72/20.

The road will be constructed as 5.5 mt including side drains and protection works by way of earth work in Cross drainage works excavation and sub grade compaction to required density strictly as per specifications.

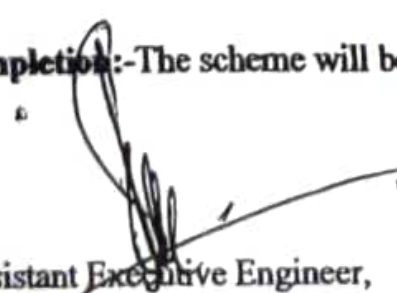
Cross drainage works: - The CD's will be provided where ever necessary and specifications adopted as per the investigation.

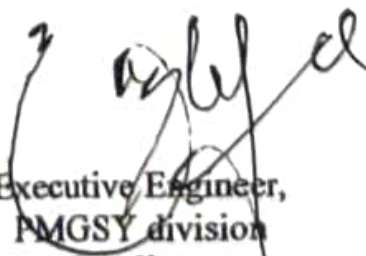
Protection works:-Retaining and Brest walls shall be provided partly in cement and partly dry where ever required as per the site condition.

Cost of The scheme: - Using the material and specifications as above the cost of the scheme works as.

	573.74
Cost of Scheme	=583.64 Laces.
Cost of routine Manteca	= 9.90 Laces
Total	=583.64 Laces

Time of completion:-The scheme will be completed in eighteen calendar months.


Assistant Executive Engineer,
PMGSY sub division
Gander bal


Executive Engineer,
PMGSY division
Bandipora

Pradhan Mantri Gram Sadak Yojana(PMGSY)
PACKAGE SUMMARY

State: Jammu & Kashmir.

District: Srinagar.

Proforma-B

Package No: JK-1349

S.No	Name of Block	Name of Road		Type of Proposal	Proposed length	Cost of Pavement	No. of C.D works.	Cost of C.D works.	Misc. cost.	Total estimated cost	Average cost per Km.
		From	To	N/U	Km	(In Lacs)	No's	(In Lacs)	In Lacs	(In Lacs)	(In lacs)
1	Knagan	Thune	Badipathri	N	8.00	403.75 440.08	79	161.84 166.43	8.13	573.74 583.64	71.72 72.96

Stage I only

573.74

Total Estimated cost of the Package = Rs: ~~583.64~~ Lacs

Routine Maintenance for 5 years= Rs. **573.74** Lacs

Grand Total = Rs. **583.64** Lacs

N = New Connectivity

U = Upgradation.

Technical scrutiny done by:

Prepared by:

Signature:

Name:

Designation:

H.D. Bhal
ASST

Signature:

Name:

Designation:

FAYAZ AHMAD MIR
Asstt. Professor, ANIT Srinagar

Checked by:

Signature:

Name:

Designation:

Nazimud-Din
Coordinator STA

Coordinator STA:

Scrutinized by:

Signature:

Name:

Designation:

Ug

Signature:

Name:

Designation:

Coordinator
State Technical Agency
for PMGSY

Jk 1349

Proforma C

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

CHECK LIST FOR P.I.U. & S.P.A.

(For Individual Road Works)

To be filled by PIU.

1. Location - State J&K District Srinagar

2. Package No Jk 1349

3. Name of the Road: From Thune To Badipathri

4. Total Length (Km) - 8.00 In Built up area - 0.7 Km In Open Area - 7.3 Km

5. Estimated Cost Rs :

Stage I only

Average Cost :

Item	Total Cost In Rs. Lakhs	Cost per Km. Lakhs
Flexible Pavement	233.39	29.17
Rigid Pavement	255.41	29.18
Others	360.25	44.59
Total	849.05	104.94

6. Type of proposal:-

New connectivity

578.74 71.72

- If the proposed road is a New connectivity

- Is the road a part of core network

If Yes Through Route/ Link Route No.

T -

or L - 0 2 5

YES

- Name of the unconnected Target Habitation (s) (to be crosschecked with CN-6)

Badipathri (579) Thune Bala (155b)

- Population sub served by the proposed road.

2129

- 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 unconnected Habitation to

-a) Another habitation having All- weather road.

(B)

-b) Directly to an All weather road.

If (b) indicate the nature of road to which the proposed road leads.

NH

- If the proposal is for up gradation

- is the road a part of the core network

- is it associated Through Route or Not

- PCI value

NA

- Age of the road

- Is it certified that there are no other unconnected

Eligible Habitations in the district.

7. a) Whether the Proposed Road has the desired carriage way width, Roadway width and Road Land Width (RLW)

YES

b) Indicates the actual widths of the following for the proposed road

- a) Carriageway
b) Roadway
c) Road Land Width

In the Built Up Area (m)	In the Open Area (m)
3.0	3.00
5.5	5.50
6.5	7.50

INDEX MAP (not to scale) : Attached

Attached

JK1349

Name of Road : Thune to Badipathri
Cross Section Details

- a) Cross Section of The Existing road showing different component layers

X-Section Attached

- b) Cross Section of The Proposed road showing different component layers
(Should be as per Actual Provisions of DPR)

X-Section Attached

8. Base year traffic volume

Month & Year of Traffic Volume														
Days	Motorised Traffic												Non Motorised Traffic	
	Cars, Jeep, Vans, Three Wheelers	Motorised two Wheelers	Light Commercial Vehicle	Trucks			Agricultural Tractors Trailers			Buses			Cycles	Cycle Ricksha wa
				L	U	OL	L	U	OL	L	U	OL		
Day 1														
Day 2														
Day 3														
Average														

ADT in the year of Traffic Count =

Growth rate adopted (%) =

Design Life = Years

Number of Harvesting Seasons =

No. of Days in Each Harvesting Season (t) =

Value of (n) assumed =

Base Year Traffic AADT (T) =

Cumulative ESAL =

Traffic Category =

9 Subgrade CBR (for Different Sections) =

Chainage					
CBR %					

10. Cost Details

		Cost Rs.	Cost /km (Rs)
A.	General Costs		
	Cost of Preparation of DPR	200000	25000

Ju 1349

B. Pavement Components

Description of layer	Thickness in mm	Quantity in Cum	Cost Rs	Cost/ km (Rs)
Earth Work - in Excavation/ Cutting		152748.59	21167000	2645575
Earthwork - in Filling (Embankment)		3492.41	133000	16525
Subgrade (if provided separately)				
Shoulders (if not considered in the Earthwork)				
Granular Sub base / Drainage Layer River RBMbed material	100	2840 m³	2942000	255250
Soil + Aggregate fill				
WBM Gr 41				
WBM Gr 411				
C. Bituminous Layers				
Prime Coat				
Tack Coat				
OGPC				
Seal Coat				
M P M / B M				
Surface Dressing				
D. Cement Concrete Road				
Pavement Quality Concrete (M30)				

E. CD Works

No. of Existing CD Works

NIL

Do they require any improvement- specify the nature of improvement proposed

If yes, their Number and Cost of improvement

Location - Chainage (Similar Type of CD's may be grouped together)	Type of CD & their Nos	Total Length of Bridge/ Culvert	Cost in Rs.
MS	1	10.00	1420000.00
SC	3	12.00	3537000.00
SC	1	8.00	1341000.00
120mm dia PC	30	36.00	8040000.00
75mm dia PC	14	10.50	755000.00
90mm dia PC	20	12.00	1006000.00
300mm dia PC	10	3.00	87000.00

Total Cost of Proposed CD works

16186000 2023250

		Cost in Rs	Cost /Km (Rs)
F. Protection works	2500 RM 2420 RM	17668000	2268900
		17033000	2129125
G. Pucca Side Drains (if Provided)	Length 200 RM	357000	44625 X
H. Road Lamps, other Road Furniture		613000	76625
I. Any other Provision (Please Specify)			
Total Cost of the Project (Rs)		58364000	7295590

57374000 7171750

JK 1349

Name of the road Thune to Badipathri

J. Five Year Routine Maintenance

Year	Cost in lakhs	% Cost	Cost /km
I			
II			
III			
IV			
V			
Total Maintenance Cost			

11. Whether the road has Geometrics as per Rural Roads Manual RRM / Latest Circulars of NRRDA.

Yes

12. Whether C.D works / Protection works are provided as per RRM / Latest Circulars of NRRDA/ Respective Codes.

Yes

13. Whether the Cost estimates are as per standard data analysis and S.S.R.

Yes

14. Sources and the Lead distances of Materials are as under

Material	Source	Lead Distance	Material	Source	Lead Distance
Earth			Cement	Srinagar	88
Murum			Emulsion		
Aggregate	Kijpora	32	Bitumen		
Sand	N Sindh	28	Steel	Mec stores pamp	71
Stones	Saderkote	57	Np3 pipes	Zankote	75

Certified that information provided is true

Prepared by
(Name)

Checked By

Scrutinized By

Counter Signatures of
Co-ordinator STA :

State Technical Agency
for PMGSY

361349

To be filled by State Technical Agency

Name of the STA

Name of Road

Thume to Badipathri

15 Is the Proposed Road entered on the OMMS : Yes/ No
(Data entries to be verified by STA before Clicking the Proposal)

16 If the Proposal is for new connectivity

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 Habitations as per CN-6 Yes / No

Does the Proposal ensure full connectivity to Target Habitation
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

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. Yes / No

(Catchment for structures with more than 2 Vents to be verified from topo sheet Location and requirement of all CD structures to be verified from L section)

18 In case , Traffic is projected beyond T 4 Category are you satisfied with the reason given by PIU Yes / No

19 In case, sub grade CBR is less than 3; has Soil Stabilisation etc. been proposed Yes / No
(If not , specific Reasons given by PIU)

20 Is the design of the following elements as per Rural Roads Manul / Circulars of NRRDA:

Alignment & Geometrics Yes / No

Location and type of CD works and 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 SP:62- 2004 Yes / No

22 Does the Estimation Conform to Standard Rate Analysis and SSR generated for the current Phase Yes / No

23 Does the proposal have provisions for PMGSY Logo Sign Boards and Information Board

Km/Hm Stones Yes / No

Guard Stones (where necessary) Yes / No

Traffic Sign Boards (as necessary) Yes / No

24 Specific Remarks, if any, by STA
(Specific remarks of STA about the overall project are necessary on each DPR)

Certified that the Design and Estimation for the Proposed Road work are based on the data and SSR provided by PIU Engineers . The Proposal after final Correction is entered on the OMMS.The Proposal may be considered for clearance.

Technical Scrutiny at STA done by:

Signature

Name

Date

Signature of STA:

Name

Date

Co-ordinator
State Technical Agency
for PMGSY

M.S. M...
FAYAZ AHMAD
ABUL FATEH