

GOVERNMENT OF JAMMU AND KASHMIR



PMGSY DEPARTMENT (J&K)

JAMMU

DETAILED PROJECT FOR CONSTRUCTION OF
ROADS PROPOSED UNDER

BHARAT NIRMAN (STAGE Ist)

IN BLOCK MAJALTA

DISTRICT UDHAMPUR

Name of the scheme

Sumwal TO Sarail Choa

LENGTH = 3.225 KMS

PKG:- JK14-271 402

237.87
244.12
215.42
COST = RS 242.61 LACS

Chief Engineer

PMGSY (JKRRDA)

1. Introduction

1.1 Objectives of Pradhan Mantri Gram Sadak Yojna (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 (Pradhan Mantri Gram Sadak Yojana, 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

1.2 FAIR WEATHER ROAD (present scenario is new connectivity STAGE – 1st Only)

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 Centers. 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 SUMWAL TO SARAILCHOA is a link road with Code jk14LO42 in Majalta block of Udhampur District. This road directly connects the habitations of SARAILCHOA with populations of 295 respectively. Thus this link road serves the total population of 295

1.4 Geography

Road is in mountaneous terrain and starts from village SUMWAL and connects village SARAIL CHOA The length of the road is 3.225 km. Road is in cutting and filling .

1.5 Climatic Condition

In summer day temperature rises to max. 42°C and in winter night temperature fall to min of 2°C`

1.6 The Sub-Project Road

The road passes through MOUNTANEOUS TERRAIN

Road is in both cutting and filling and passes through built up area. There is no hindrances in construction of road .

Distt; Udampur
Block: Majalta
Road Name: SUMWAL TO SARAIL CHOA
Road Code: JK-L042
Package No: JK14-402
Road Length: 3.225 Km
Start Point: SUMWAL(latitude: 32 deg 42 min and longitude : 75 deg 01 min)
End Point: SARAIL CHOA(latitude: 32 deg 41 min and longitude : 75 deg 53 min)

Sl.No.	Habitation benefited	Population benefited		Chaniage	
		Direct	Indirect	From	To
1	SARAIL CHOA	295	0	0	3225

7. Adopted Geometric Design Standards

7.1 General

The geometric design standards for this project conform to PMGSY guidelines and the guidelines as stated in IRC-SP 20:2002. Recommended design standards vis-à-vis the standards followed for this road are described below. {Consultants shall review these guidelines with respect to the Expenditure Committee guidelines "Review of Geometric Design Standards for Rural Roads in Hill Areas (meeting at Mussorie – 29-30 November 2007) and Review of Geometric Design Standards for Rural Roads in Plains}

7.2 Terrain

The classification of terrain was selected from plain/rolling/hilly/steep classification for which following criteria will be applicable.

Terrain classification	Cross slope of the country	
Plain		
Rolling		
Mountainous	25-60%	1 in 4 to 1 in 1.67
Steep		

7.3 Design Speed

The proposed design speed along this project road will be selected from the following table:

Road classification	Plain terrain		Rolling terrain		Mountainous terrain		Steep terrain	
	Ruling	Min.	Ruling	Min.	Ruling	Min.	Ruling	Min.
Rural Roads (ODR and VR)					25	20		

7.4 Right of Way (ROW)

The requirement of ROW for this road is as follows (as specified in IRC-SP 20:2002):

Road classification	Plain and Rolling Terrain				Mountainous and Steep Terrain			
	Open Area		Built-up Area		Open Area		Built-up Area	
	Normal	Range	Normal	Range	Normal	Range	Normal	Range
Rural roads (ODR and VR)					12	12	12	9

7.5 Roadway Width

Roadway width for this road is given below:

Terrain Classification	Roadway Width (m)
Plain and Rolling	
Mountainous and Steep	6.0

Table 10.2 Proposed Culverts

Sl. No.	Chainage	Type of Culvert	Span/dia
1	50	HPC	1.00 mtr dia
2	100	HPC	1.00 mtr dia
3	525	HPC	1.00 mtr dia
4	575	RCC CULVERT	3.00mtr span
5	775	HPC	1.00mtr dia
6	975	HPC	1.00mtr dia
7	1225	HPC	1.00mtr dia
8	1450	HPC	1.00mtr dia
9	1550	HPC	1.00mtr dia
10	1625	HPC	1.00mtr dia
11	1775	HPC	1.00mtr dia
12	1915	RCC CULVERT	6.00mtr span
13	2075	HPC	1.00mtr dia
14	2335	RCC CULVERT	3.00mtr span
15	2575	RCC CULVERT	3.00mtr span
16	2875	HPC	1.00mtr dia
17	3090	RCC CULVERT	2.00mtr span
18	3175	RCC CULVERT	2.00mtr span

JK-14-402

**BHARAT NIRMAN (PMGSY)
GENERAL ABSTRACT OF COST**

Name of Road: **Construction of Road from "SUMWAL TO SARAIL CHOJA" (Stage-I).**

S.No	Description of Item	Unit	Quantity	Rate (Rs)	Amount (In Lacs)
01	02	03	04	05	06
1	Earth work in excavation in hilly terrain				
a	All kind of soil .	Cum	22235	106.00	23.57
b)	Ordinary Rock not req. blasting.	Cum	10171	183.00	18.61
c)	Hard Rock.	Cum	4855	307.00	14.90
d)	Earth filling in embankment	Cum	2672	57.00	1.52
				T =	58.60
4.	C.D Works :-				
a	Const. of 1.0 Mtr Dia HP Culvert	No	12	1.67	20.04
b	Constt. of 2mtr span RCC Culvert	No	2	6.24	12.48
c	Constt. of 3mtr span RCC Culvert	No	3	8.81	26.43
d	Constt. of 6 mtr span RCC Culvert	No	1	18.84	18.84
				T =	77.79
5.	Const. of Semi Pucca Walling:-				
a	Semi Pucca R/Wall Av. Height 2.0 m	Rmt	300	6.28	7.73
b	Semi Pucca R/Wall Av. Height 3.0m	Rmt	300	9.17	27.51
c	Semi Pucca R/Wall Av. Height 4.0m	Rmt	100	14.00	14.00
d	Semi Pucca R/Wall Av. Height 6.0m	Rmt			
e	Semi Pucca B/Wall Av. Height 2.55 m	Rmt	500	59.36	29.68
f	Paraphet	no	400	17.67	7.07
g	Construction of Pucca Drain:-	Rmt	600	11.43	6.86
				TOTAL =	103.97
7.	Providing & Fixing of PMGSY Boards:-				
a	P/F of Citizen Informatory Board	Each	02	13178.00	0.26
b	P/F of PMGSY Logo after every 2 Km	Each	02	13178.00	0.26
c	P/F Road Sign Boards @ 3 Nos/Km	Each	10	3856.00	0.39
d	P/F Kilo Meter Stones Ordinary	Each	04	1711.00	0.07
e	P/F 200 Mtrs Stones recast	Each	16	417.00	0.07
f	Back pillars	100	130	15666	0.20
g	Reference pillars	100	130	4883	0.06
h	Provison for treer path including settlings out	km	3.225	0.20	0.64
h	Provision for CBR Tests Including Preparation of DPR & Painting of Boards, Lines, Dashes, Arrows etc. as per Technical Specification Clause 1702.	LS	-	-	0.30
				TOTAL =	2.25
GRAND TOTAL					244.61 LACS

Asstt. Executive Engineer,
PMGSY Sub-Division,
Majalta.

Executive Engineer,
PMGSY Division
Ramnagar,

Government of Jammu & Kashmir
OFFICE OF THE CHIEF ENGINEER PMGSY (JKRRDA) JAMMU

(17)

Sh. Kapoor Singh
S/o Sh. M.R. Thakur
R/o Village Mir
Tehsil & District Udhampur

e mail :- kapoorsinghcontractor@gmail.com
Phone No:-9419165237

No: - CEJ/PMGSY/18545-52

Dated:- 12-01-2017

Subject: - Notice to Proceed with the work.

Reference: - Letter of acceptance issued vide this office No: CEJ/PMGSY/14166-74
Dated:-29-11-2016.

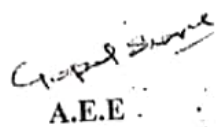
Dear Sir,

Pursuant to your furnishing the requisite performance Security in the shape of BG as stipulated in ITB Clause 32.1 and signing of the contract for **Construction of road from Sumal to Sarial Choa, Package No. JK14-402, Phase X, Stage-I Block Majalla, District Udhampur**, you are hereby instructed to proceed with the execution of the said work in accordance with the contract documents.

All the terms and conditions of this contract shall be same as indicated in the bidding document for the work and same shall be binding upon the contractor.


DM


HD


A.E.E.


Technical Officer


Chief Engineer,
PMGSY (JKRRDA)
Jammu

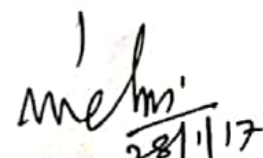
Copy to the:-

1. Chief Executive Officer JKRRDA /Commissioner Secretary to Govt. PW(R&B) Deptt. Civil Secretariat Jammu for information.
2. SQC PMGSY (JKRRDA) Jammu for information.
3. I.T Nodal Officer J&K State for information.
4. Superintending Engineer PMGSY Circle Reasi for information.
5. Technical Officer to Chief Engineer PMGSY JKRRDA Jammu for information.
6. Executive Engineer PMGSY (JKRRDA) Division Ramnagar for information and necessary action.
7. Head Draftsman for information.
8. Master file.

The balance performance security of 2.5% be recovered from the contractor running bills as per clause No. 32.1 of ITB of S.B.D. List of Key equipment for road work, field labs & names of technical personnel as per clause 4.4(B) of SBD is annexed. The PIU shall ensure complete adherence to the relevant clauses.

No: 2386
Dt: 28/1/2017

AEE - Majalla
AM/HD/CC/CO
on my Table.


28/1/17

2224
28/1/2017

Government of Jammu & Kashmir
OFFICE OF THE CHIEF ENGINEER PMGSY, (JKRRDA) JAMMU

(8)

Sh. Kapoor Singh
S/o Sh. M.R. Thakur
R/o Village Mir
Tehsil & District Udhampur

e mail :- kapoorsinghcontractor@gmail.com
Phone No:-9419165237

No: - CEJ/PMGSY/ 14166-74

Dated:- 29-11-2016

Subject: Letter of acceptance.

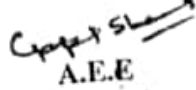
This is to notify that your bid in response to this office e-NIT No. CEJ/PMGSY/398 of 2016-17 Dated:-27-08-2016 for the work Construction of road from Sumal to Sarial Choa, Package No. JK14-402, Phase X, Stage-I Block Majalta, District Udhampur, is hereby accepted for a contract price of Rs. 203.66 Laes (Rupees Two Crore Three laes and Sixty Six Thousand only) on quoted rates with the following break up.

- | | | |
|-------------------------|-----------------|---|
| 1) Construction part: - | Rs. 203.66 Laes | (Rupees Two Crore Three laes and Sixty Six Thousand only) |
| 2) Maintenance part:- | Nil. | |
| 3) Total: - | Rs. 203.66 Laes | (Rupees Two Crore Three laes and Sixty Six Thousand only) |

You are hereby advised to furnish performance security in the form of Bank guarantee/Fixed deposit receipt for an amount of Rs.10.18 laes (Rupees Ten Laes and Eighteen thousand only) within a period of 10 days (ten days) from the date of issue of this Letter of acceptance valid up to 09-01-2021 and sign the contract failing which action as stated in relevant clause of ITB of Bidding Document will be taken. This is subject to clause 52.2 (g) of SBD.


KM


HB


A.E.E


Technical Officer


Chief Engineer,
PMGSY (JKRRDA)
Jammu

Copy to the :-

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