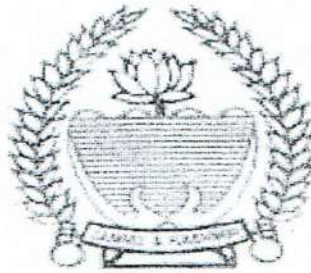


GOVT. OF JAMMU AND KASHMIR



Public Works Department(Roads & Buildings) Jammu

PROJECT REPORT

UNDER

NABARD LOAN ASSISTANCE

FOR

Construction of link road from Nand to Sar Sabal
upto Fair weather status (Phase-1st)

District :- Kathua

Length :- 4.00 kms

Estimated Cost :- Rs. 200.00 lacs

Working Branch

OFFICE OF THE EXECUTIVE ENGINEER PWD(R&B)DIVISION KATHUA

The Superintending Engineer,
PWD(R&B) Jammu- Kathua Circle,
Jammu.

No: 400-05/SE

Dt: 28-07-2018

Sub :- Project report for Construction of link road from Nand to Sar Sabal upto Fair weather status length = 4.00 kms (Phase-1st) **Under NABARD RIDF-XXIV.**

Sir,


Kindly find enclosed herewith the Project report for the above noted work in requisite number of copies duly supported with technical report, abstract of cost, typical estimates, requisite annexure along with necessary drawings etc. amounting to **Rs. 200.00 lacs** for favour of further necessary action at your end please.

All salient features and specification to be adopted have been fully explained in the technical report appended herewith.

The Application for Administrative Approval has been prepared as desired by **Hon'ble Speaker of J&K State Dr. Nirmal Kumar Singh**

It is therefore requested that above noted scheme may kindly be got sponsored from the NABARD Authorities at the earliest, so that the work is taken up in hand for early execution.

Yours faithfully,


(Er. U.K. Sharma)
Executive Engineer
PWD(R&B)Division
Kathua

Copy to the :-

1. Chief Engineer, PW(R&B) Department, Jammu for favour of Information.
2. District Development Commissioner, Kathua for favour of information.
3. P.A. to Hon'ble Speaker of J&K Legislative Assembly for onward submission to the Hon'ble Speaker.
4. A.E.E. PWD (R&B) Sub Division No. II Kathua for information.
- 5-6. H.D/C.C. for information.

FAX NO. 2506781

21 Jun. 2018 10:20AM F 1



Dr. Nirmal K. Singh

Speaker
J&K Legislative Assembly
Jammu/Srinagar

2/336
22/6/18

D. O. No. PS/SPK/LA/R/2008/62
Dated: 20-06-2018

My Dear Shri Sudhir Shah

I shall be grateful, if the construction of the below mentioned new roads of Billawar Constituency be taken up under NABARD Scheme :-

- ✓ Construction of Road from Mangloor to Garh via Balot
- ✓ Construction of road from Nand to Sarsabal
- ✓ Construction of road from Sulari to Upper Dhar

SE Jmu.
KEM Kothua/Samba

Rajouri

Yours

(Dr. Nirmal Singh)

20-06-18

for info.

(Signature)

Shri Sudhir Shah,
Chief Engineer PWD (R&B)
Jammu

CC: PS/R/1680.. 82
Dated 25/6/18

No. 2030-CN
3-7-2018

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Acc. I
for info

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7/18

Tele Nos. { Jammu: 0191-2546531, 0191-2673473 (Fax)
Srinagar 0194-2506204, 0194-2506143 (Fax)
e-mail: psspeak@jklal@gmail.com

Sh. Sk Gupta SE
Pm n/a
Gupta
2018

RURAL ROAD AND BRIDGE PROJECTS – RIDF – XXIV

Details of Calculation of Economic Analysis of Road Project

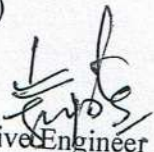
Name of Scheme : Construction of link road from Nand to Sar Sabal upto Fair weather status
Length= 4.00 kms (Phase-1st)

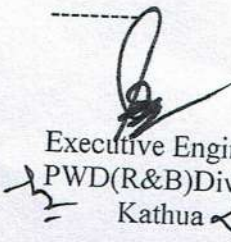
A BASIC DATA

1.	Length of road covered under the Project(Km)	4.00 Kms
2.	Total investment cost (Rs. Lacs.)	Rs. 200.00 lacs
3.	Operation & Maintenance cost per/Km @ 1 % Project cost	Rs. 2.00 lacs
4.	No. of villages connected	08 Nos.
5.	Crop cultivation area covered	-----
6.	Per-Ha avg. gross income	-----
7.	Per-Ha avg. cost of cultivation	-----
8.	Per-Ha avg. net income	-----
9.	Per-Ha avg. marketed surplus (30% of avg. gross income)	-----
10.	Incremental non-form income per village	-----
11.	Passenger car unit per days	470
12.	Reference price for converting- PCU in value	Rs. 7/-

B BENEFITS DUE PROJECT

1.	Agriculture benefits	Rs. 92.21 lacs
2.	Saving in wastage of marketed surplus (@ 2% of marketed surplus)	Rs 1.84 lacs
3.	Non farm income	-----
4.	Saving in VOC (per day PCU x road length x price x 365 days)	Rs. 48.03 lacs
5.	Total benefits of the project (1+2+3+4)	Rs. 142.08 lacs
6.	B.C. Ratio	2.38
7.	ERR (%)	-----


Asstt. Executive Engineer
PWD(R&B)Sub Division No. II
Kathua




Executive Engineer
PWD(R&B)Division
Kathua

RURAL INFRASTRUCTURE DEVELOPMENT FUND

Name of Project :- Construction of link road from Nand to Sar Sabal upto Fair weather status
Length= 4.00 kms. (Phase-1st)

1. Location :- Northern Side of NH-IA in Dinga Amb block of Kathua District
2. Objective :- To provide all weather link road up to B.T. specifications
3. Total Cost of Project :- 200.00 lacs
4. Expenditure Incurred by state Govt. up to 31-03-2018 :- Nil
5. Balance Amount required for the completion of the project :- 200.00 lacs
6. Financial Assistance needed :- 180.00 lacs
7. Amount of J&K state Govt. share :- 20.00 lacs
8. Expected period of completion of the project. :- March 2021
9. Economic indicators :- For Boosting of agriculture and milk production.
10. Location Map :- Annexed

*↓
Supt
Secy*


Executive Engineer
PWD(R&B)Division
Kathua 

TECHNICAL REPORT

NAME OF PROJECT :-

Construction of link road from Nand to Sar Sabal upto Fair weather status Length= 4.00 kms. (Phase-1st)

AUTHORITY :-

Hon'ble Speaker of J&K State Dr. Nirmal Kumar Singh.

PROJECT PROFILE :-

This road takes off from Dayalachak - Challan road km 21st towards North-West direction having a total length 4.00 kms. Now only Fair weather status have been considered in Phase-1st and shall connect villages like Sahal, Saroz, Sar, Beli, Kalad, Sadmoo, Kaidkadarna etc. At present, there is no road communication to the above said villages. The inhabitants of the area facing a lot of difficulties in absence of road in their day-to-day activities. There is long pending demand of the habitants of the locality to construct the motorable road. With the construction of this road the population of about 4,000 souls shall be benefitted. Most of the population residing in this area are farmers, Schedule Tribe (Gujjars) and below poverty line. They earn their livelihood by selling milk and agricultural products.

The people are the helpless victims of lack of infrastructure, primarily all weather road communication and other basic amenities and live in extreme poverty and inhuman conditions. Lack of infrastructure /development and minimum basic amenities has further added to the miseries of the people where child/women mortality and illiteracy rate is comparatively much higher than the national average. In order to elevate the hardships and sufferings of the inhabitants of the area, it is absolutely necessary to provide road communication which shall increase the mobility of local people living in the backward area to the towns, cities and change their perception about life and modern development, ultimately resulting in their transformation, modern society having basic facilities of health care, education and economic liberation. It is essential to provide road connectivity in shortest possible time.

The inhabitants of the above villages have approached Hon'ble Speaker of J&K State Dr. Nirmal Kumar Singh for the construction of this road upto fair weather specifications. Hence Keeping in view the demand of the public, Application for Administrative Approval has been framed accordingly under NABARD funding. The state Govt. is contributing Rs. 20.00 Lacs and an amount of Rs 180.00 Lacs as financial assistance from NABARD is sought to complete the scheme.

PRESENT STATUS OF THE ROAD :-

New Construction of road for a length of 4.00 Km upto fair weather specifications along with adequate number of cross-drainage works is proposed in Phase-1st.

PHYSICAL DETAILS :

- a). Earth work in cutting/filling shall be executed having formation width of 6.00 mtr.

OPERATION AND MAINTENANCE :

Operation and maintenance of the road will be carried out by the State Public Works Department. Separate funds are being provided by the State Govt. by allocation of funds under Renewal Coat, Special Repairs, Abnormal Repairs and other funds received from time to time for maintenance of road.

RISK FACTOR AND PERCEPTION OF DEPARTMENT :

The Construction of the road is labour and a capital intensive work due to non availability of labour through the year, project may get delayed but the positive factor in executing the works in this part of the world is that sufficient labour is available through out the year and could be arranged as and when required. Machinery could be arranged in shortest possible time from Mechanical Department.

BENEFITS AND JURISDICTION :

The project envisage construction of 4.00 Kms of road connecting 08 No. of villages having a population of about 4,000 souls. Most of the area is backward & quite a number of people are living below the poverty line. For working out the financial economic appraisal of the project under reference the project benefits have identified & quantified as under:

SAVING IN TRAVEL TIME :

The average population of the villages linked with the road is about 4,000 souls. Assuming that only 10% of the people is engaged in labour / marketing activity with the construction of the road. It is expected that travel time to be reduced by two minutes per Km per 4.00 Km of road length with the probability of securing employment at 0.65 and a daily wager rate of **Rs. 350/-** the proportionate value of travel time per annum is quantified at **Rs. 13.84 lacs.**

SAVING IN VEHICLES OPERATION COST :

As per survey conducted by the Department, the volume of traffic has been converted into standard passenger car unit (PCUS) with the help of conversions factor is estimated as per details furnished below :

S.No.	Vehicle Type	No. / Day	Conversion	PCUS/Day
1.	Cycle	100	0.50	50
2.	Motorcycle/Scooter	240	0.50	120
3.	Passenger Car/Pickup Van	150	1.00	150
4.	Agriculture Tractor/LCV	80	1.50	120
5.	Trucks/Bus	10	3.00	30
Total:-				470

Assuming the vehicle operating cost Rs. 7/- per Km at 1998-99 prices. The annual saving of VOC may be qualified at **Rs. 142.08 lacs.**

**GENERATION OF
ADDITIONAL
EMPLOYMENT :**

The Construction of road will provide direct employment to the skilled/ unskilled labour of the areas, as the people of the area work as labour & depends heavily on any development activity in the area. During the implementation period of four years about 0.60 lacs man days are expected to be created, the maintenance of the road after construction will result in generation of employment opportunity to the tune of **Rs. 0.05 lacs** man days per annum.

**NON-QUANTIFIABLE
SOCIAL BENEFITS :**


Apart from the quantifiable social benefits the other social benefits of the project will also include improve social accessibility for village schools, Health Centers etc.

TIME AND COST :-

The Approx. cost of work is **Rs. 200.00 lacs** and require **03 years** time to complete the work subject to the availability of funds and key construction material.



Asstt. Executive Engineer
PWD(R&B) Sub Division No.II
Kathua



Executive Engineer
PWD(R&B) Division
Kathua

DETAILS OF INDIVIDUAL PROJECTS
IMPROVEMENT / UPGRADATION / NEW CONSTRUCTION (EXTENSION)

Name of Scheme :- Construction of link road from Nand to Sar Sabal upto Fair weather status
Length= 4.00 kms (Phase-1st)


TECHNICAL DATA :

1. Length of road : 4.00 kms
2. **Specifications :**
 - a). Road way width : 6.00 m
 - b). Carriage Way width : ----
3. **Pavement Thickness :** ----
4. **Description :** The construction of road shall take off from Dayalchak-Challan road km 21st RD 900-1000 towards the North -West direction having a total length 4.00 kms. Now only Fair weather status have been considered in Phase-1st and will connects villages like Sahal, Saroz, Sar, Beli, Kalad, Sadmoo, Kaidkadrna etc. The population of the area shall benefit by this road is 4,000 souls.
5. **14 No. CD works :** (07 No. 0.90 mtr dia H.P. culvert , 04 No.1.00 mtr span RCC slab culverts, 02 No.2.00 mtr span RCC slab culverts & 01 No.3.00 mtr span RCC slab culverts)

COST OF ABSTRACT

<u>S.No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Rate</u>	<u>Amount (lacs)</u>
1.	Earth Work :			
i)	In cutting	31471.00 m ³	240.00/m ³	75.53
2.	CROSS DRAINAGE WORKS:-			
i).	0.90 m dia H.P. culvert	07 No.	1.99 lacs/No.	13.93
ii).	1.00 m span RCC slab culvert	04 No.	5.81 lacs/No.	23.24
iii).	2.00 m span RCC slab culvert	02 No.	9.88 lacs/No.	19.76
iv).	3.00 m span RCC slab culvert	01 No.	10.87 lacs/No.	10.87
v).	Pucca Drain	780.00 Rmt	2075.00 /Rmt	16.19
3.	WALLING:-			
i).	Construction of Retaining wall	210.00 Rmt	12000.00/Rmt	25.20
ii).	Construction of Breast Wall	200.00 Rmt	4750.00/Rmt	9.50
				194.22
	Add 3% for W.C & Contingencies			5.83
			Total :-	200.05

Say Rs. 200.00 lacs.


Asstt. Executive Engineer
PWD(R&B) Sub Division No-II
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PWD(R&B) Division
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