

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

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Tel/Fax: 01998-266649

The Superintending Engineer
PWD(R&B) Circle Doda

No:

4293-90

Dated:- 10.7.2018

Subject :- Submission of fresh Application for Accord of Administrative Approval thereof:

Sir,

Kindly find enclosed herewith Detailed project report (D.P.R) for below mentioned work alongwith General abstract of cost, Drawings, typical estimates and Technical report explaining all physical/financial aspects and salient features of the projects in requisite number of copies for favour of further necessary action at your end please.

S.NO	Name of the Scheme	Length	AAA Cost Rs./lacs
1	Constt. of road from Ramakunda to Gool Tehsil Gool Distt. Ramban (phase 1 st) (UNDER NABARD)	4.00 km	250.00

The fresh AAA has been framed as per your office endorsement No 3394-3400 Dated 06-07-2018 and as per directions of Hon,ble MLA Gool/ Arnas Constituency vide D.O.Letter No:-PS/MLA/GA/354 Dated 23/11/2017.

(Copy enclosed.

It is pertinent to mention here that the AAA already submitted vide this office letter No 1381-84 Dated 18-05-2018 for an amount of Rs.348.90 lacs may be treated as cancelled.

It is as such requested that the fresh AAA may kindly be accorded and communicated to this office to proceed further in the matter.

Yours faithfully

(Er Jugal Kishore)

Executive Engineer

PWD(R&B) Division Ramban.

Copy to the:

- 1.Chief Engineer PW(R&B) Department Jammu for favour of information
- 2.Distt. Dev.Commissiner Ramban for favour of information please.
- 3.Assistant Executive Engineer PWD(R&B) Sub Division Gool
- 4.Master file of H.D. *Rk*

GOVERNMENT OF JAMMU & KASHMIR

PUBLIC WORKS DEPARTMENT
ROADS AND BUILDINGS
JAMMU



DISTRICT RAMBAN DETAILED PROJECT REPORT

NAME OF ROAD: ""Construction of road from Ramakunda to Gool Tehsil Gool Distt. Ramban
(Phase 1st) (under NABARD)

ESTIMATED COST : Rs 250.00 Lacs

LENGTH OF ROAD : 4.00 KM

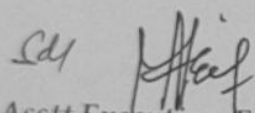
ASSEMBLY CONSTITUENCY : Gool-Arnas


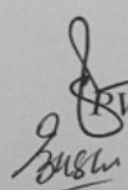
THE EXECUTIVE ENGINEER PWD(R&B) DIVISION RAMBAN
E-Mail Address: xenrambanrnb@gmail.com/xenrnb@gmail.com
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CERTIFICATE

To whom it may concern

It is certified that the proposed scheme namely Construction of road from Ramakunda to Gool Tehsil Gool Distt. Ramban (under NABARD do not fall under any works programme of the Division nor existing in the core net work of PMGSY


Asstt. Executive Engineer
PWD (R&B) Sub-Division
Gool



Executive Engineer
PWD (R&B) Division
Ramban

CHECK LIST FOR NABARD SCHEMES (R&B)

Name of work:- Construction of road from Ramakunda to Gool Tehsil Gool Distt.
Ramban (Phase 1st) (under NABARD)

S.No. Project Formulation

- | | | |
|-----|---|------------------------|
| 1. | Site Plan/ Index Plan. | Enclosed |
| 2. | Earth Work Chart/ typical cross sections. | Enclosed |
| 3. | Port Chart/ Bar Chart | --- |
| 4. | Tentative estimates duly signed by concerned officers | Enclosed |
| 5. | General abstract of cost/ technical report with certificates regarding IRC/ NABARD specifications duly signed by SE and Executive Engineer. | Enclosed |
| 6. | Preliminary Drawing of additional structures if any. | NA |
| 7. | Seals and affixed. | Yes |
| 8. | Five copies of project reports/ AAA's are made available to the Circle office. | Yes |
| 9. | If the road passes through forest involving forest land/ trees then compensation estimates from forest department should be available with the project. | NA |
| 10. | Recording of certificates by the Superintending Engineer and Executive Engineer on the project to the effect that they have Inspected the site and are satisfied with proposals kept in the Project report. | Yes |
| 11. | Requisition letters from sponsorship from concerned MLA/ MLC of the Constituency to which the scheme pertains | Hon'ble MLA Gool/Arnas |
| 2. | Letter of endorsement from the respective District Development Commissioner. | |

Sd/-
Assistant Executive Engineer
PWD (R&B) Sub-Division
Gool

Executive Engineer
PWD (R&B) Division
Ramban

PROJECT REPORT

NAME OF ROAD: * Construction of road from Ramakunda to Gool Tehsil Gool Distt.
Ramban (Phase- 1st)) L=4 Km (under NABARD)

Authority:- Ajaz Ahmed Khan Hon'ble MLA Gool /Arans Constituency
Vide his D.O No. PS/MLA/GA/354 Dated 23-11-2017

History & Necessity The Gool- Arnas area falls in the west side of Distt. Ramban and the village Gool is situated at a distance about 4.00 Kms away from the Ramakunda. There is no motorable road connectivity up to the village Gool via Narsingha and the peoples of the village like Ramakunda, Narsingha Tungali, Nowshinga, Potatofarm, Gool and small hamlet of this area are suffering very badly. By construction of this road the population of about 2000 souls shall be benefitted a lot.

During rainy days the village remained cutoff from the rest of the area as the nallahs flows with full of water. The terrain of the area is hilly. The local peoples of the area put forth their demand to the Hon,ble MLA Gool/Arnas constituency who conceded the demand and directed to formulate the detailed project report for onward submission to the higher authorities for sanctioning under NABARD. Accordingly the AAA has been framed.

PROPOSALS SPECIFICATION :- PROPOSALS SPECIFICATION :- It has been proposed to construct the road from Ramakunda to Gool for a length of 4.00 km. The width of the road shall 5.20 Mtr. with carriage way 3 mtr. Extra width at curves & passing places have been proposed to facilitate the movement of vehicular traffic. The following chief specifications shall be adopted for the construction of the road.

(a) **EARTHWORK** :- Prior to commencement of earthwork, the site shall be cleared off vegetation such as trees, roots, under growth grass and rubbish falling with excavation and fill lines. After the site has been cleared, the limits of excavation shall be set out, true to the lines, curves, slopes, grades and section shown on drawings, with the helps of pegs, stone bujree, lime etc. The earthwork in cutting excavation shall be conforming to the lines, grades, sides slopes and levels. The surplus excavated soil shall be disposed off from the road limits and dressed properly to slopes.

(b) **DRAINAGE CROSSING** :- I. **Minor drainage crossing** :- Hume pipe culverts / RCC culverts shall be provided at the adequate places as per necessity at site for crossing of the water which shall be constructed as per the standard IRC specifications

(c) **RETAINING WALLS AND BREAST WALLS** :- Semi-pucca Retaining walls & Breast walls shall be constructed for retention of the hill slope and improvement of geometric of the road

TIME & COST :-

The estimated cost of the scheme is **Rs. 250.00 Lacs** and shall be completed within a period of **03 Years** subject to availability of funds and key constructional materials.

FINANCIAL DETAIL :-

The estimate cost of the project is Rs 250.00 Lacs out of which 90% shall be funded by NABARD in a phased manner and balance by the J&K State Govt.

FINANCIAL PHASING :-

The year wise financial phasing of the project is as under :-

2018-19	30%
2019-20	40%
2020-21	30%

PROJECT IMPLEMENTATION AND MANAGEMENT :-

The project will be executed by the R&B wing of the Public Works Department which is well equipped with the technical staff headed by the Chief Engineer at provincial level, Superintending Engineer at the District level, Executive Engineer at the Divisional level and assisted by the Assistant Executive Engineer at the Sub Division level.

OPERATION AND MAINTENANCE :-

The operation and maintenance of the project will be carried by the R&B Department on annual basis. Separate funds under Non-Plan are available for the said purpose.

RISK FACTOR AND PERCEPTION OF DEPARTMENT :-

The construction of the road is a labour and capital intensive work. The non-availability of labour through out the year might create some delay in the completion of the project within the stipulated time but otherwise sufficient labour is available throughout the year and when needed plenty of machinery available with the State Mechanical Department and can be arranged.

BENEFITS AND JUSTIFICATION :-

The constructed road will go a long way in improving socio-economic condition of the inhabitants. Agriculture and cattle farming is the prime activity in the area, will get a major thrust after the construction of the road. The inhabitants of the area will be benefited directly as well as indirectly from this project.

INCREASE IN AGRICULTURAL PRODUCTION :-

With the construction of this road there shall be smooth inflow of agriculture inputs/pesticides to these villages with the help of agriculture technocrats who will have a smooth and easy access to these areas connected by this road there shall be boost in the production of the agriculture products which can be easily taken to the nearby Ramban, thus resulting in the economic upliftment of these people.

SAVING IN WASTAGE :-

With the construction of this road convenient transportation shall be provided to the marketable goods/agriculture products to the nearby Mendhar/market resulting in saving in wastage of these goods.

SAVING IN TRAVEL TIME :-

The population of the benefited villages is about 5000 souls. Assuming that only 5% of the population is engaged in marketing activity and assuming average time saved per Km/day after construction of this road upto B.T specification as 10 Min/Km,

SAVING IN VEHICLE OPERATING COST :-

Based on the assumed traffic intensity on this road, the saving in vehicle operating cost (VOC) can be quantified as under :-

S.No	Vehicle Type	No/Day	Conversion Factor	PCUS/Day
1.	Bus	10	3.00	30
2.	Truck	50	3.0	150
3.	Car/Jeep	100	1.0	100
4.	Tractor	30	1.0	30
5.	Motor Cycle	80	0.50	40
6.	Animal Drawn	00	4.0	00
7.	Cycle	50	0.50	25
8.	Metadoor	10	1.0	10
			TOTAL :-	385

Assuming the saving in VOC @ Rs. 7/- per Km/vehicle at current prices, the annual saving in VOC may be quantified at Rs. $7.00 \times 4 \times 385 \times 365 \times 5 / 10000 =$ Rs. 39.34 Lacs.

GENERATION OF ADDITIONAL EMPLOYMENT :-

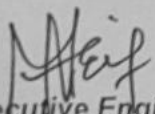
The construction of the roadway will provide employment to the skilled and unskilled labour as the people of the area work as labourer and depend on the development activity in the area.



NON-QUANTIFIABLE SOCIAL BENEFITS :-

Apart from the quantifiable social benefits the other social benefits of the project will also include improved accessibility to village school, health centres besides creating other employment avenue.

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

CERTIFICATE :It is certified that we have inspected the site and are satisfied with the proposals kept in the project report strictly devised & designed as per the relevant IRC code & bureau of Indian Standard & sound Engineering practice. There is no land acquisition / forest land problem involved in the project

Sd/- 
Asstt. Executive Engineer
PWD (R&B) Sub - Division
Gool



Executive Engineer
PWD (R&B) Division
Ramban

CALCULATION FOR BENEFIT COST RATIO

Name of the scheme Construction of road from Ramakunda to Gool Tehsil Gool Distt.
Ramban (Phase -1st) (under NABARD).

Total cost of project /scheme : Rs. 250.00 lacs
Length of the road of project : 4.00 kms
Population : 5000.00
PCU's : 385.00

SAVING IN VEHICLE OPERATING COST.

As per IRC norms and guidelines of
May, 1998

Assuming the vehicle operating cost at
Rs.7.00 / km / PCU

The annual saving in VOC may be
quantified as under

$$\begin{aligned} &= \text{V.O.C} \times \text{length} \times \text{PCUs} \times 365 \\ &= 7.00 \times 4 \times 385 \times 365 / 100000 \\ &= 39.34 \text{ lacs} \end{aligned}$$

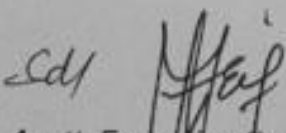
TRAVEL TIME SAVED

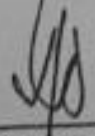
Population = 5000 souls

Assuming 10% of the population is engaged in taking commercial activities with average time reduction of 5min/km with probability of securing employment at 0.65 and the current wage rate at Rs. 350/ day , the proportionate saving in travel time shall be as under :-

$$10/100 \times 5000 \times 5/60 \times 365/8 \times 4.00 \times 0.65 \times 350 / 100000 = 17.60 \text{ lacs}$$

Total benefits 145.42 lacs + 39.34 lacs + 17.60 = 202.36 Lacs


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Gool


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