



UNION TERRITORY OF JAMMU AND KASHMIR
OFFICE OF THE CHIEF ENGINEER PW(R&B) DEPARTMENT JAMMU
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The Superintending Engineer
PWD(R&B) Circle
Rajouri.

Order No: - 1003 of January 2022

Subject: - Technical Sanction for construction of road from Chawa to Barwan school via Irwan wall km 1st to 3rd District rajouri (length=3.00 kms) under NABARD RIDF-XXVII.

Ref: - Accord of Administrative Approval vide this office order No. 71 of 2021 dated 17.02.2021 issued under endorsement No. CEJ/DB/19279-85 dated 17.02.2021 for an amount of Rs.386.30 lacs.

In reference to your office recommendation vide letter no. SER/R&B/Drg./4310-11 dated 22.01.2022, the Technical Sanction to the estimate of above referred work amounting to Rs.385.20 Lacs (Rupees Three Hundred eighty five Lacs, Twenty Thousand only) is hereby conveyed subject to following conditions:-


1. The amount approved is inclusive of 10% cost of maintenance of road for 5 years as per NABARD guidelines.
2. Work has been executed as per standard specification on which rate allotment has been made.
3. Rates allotted / provided in the estimate are certified to be the reasonable for such type of work, by the Executive Engineer.
4. Technical sanction shall not be construed as any approval and proper rate analysis/tender rate/sanction Schedule of rate shall be followed to ensure reasonability/ rationality of rates.
5. The Expenditure is strictly restricted to the allotment made for this work and no liability created in any case.
6. The Expenditure be made upto the extent of budgetary provisions only.
7. The Expenditure be incurred only after drawl of agreement and within its provisions.
8. The total Expenditure does not exceed over and above the approved AA cost.
9. The expenditure on this account is debited to the Head of accounts under which the funds have been released.
10. Work has been executed strictly as per approved design and drawings.
11. All quality control tests are conducted.
12. No change in proposals / specifications envisaged in the detailed estimate technically sanctioned shall be made without prior approval of competent authority.
13. Rates provided as lower market rates (LMR) shall not be construed as approved rates. Executive Engineer shall follow the codal procedure while such payments.


No: - CEJ/DB/25823-24

Dated: 28/01/2022

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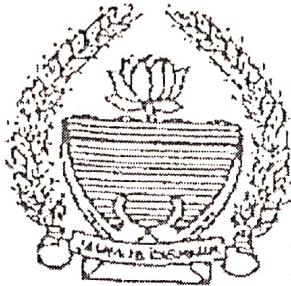
1. Executive Engineer PWD(R&B) Division Rajouri s for information.


(MR. MANZOOR HUSSAIN)
CHIEF ENGINEER


PW(R&B) DEPARTMENT,
JAMMU

(34)

Government of Jammu and Kashmir



PUBLIC WORKS DEPARTMENT
(Roads & Buildings)
JAMMU

NAME OF WORK:- CONSTRUCTION OF ROAD FROM CHAWA TO BARWAN
SCHOOL VIA IRWANWALI

UNDER

NABARD

dc

BLOCK	:	RAJOURI
CONSTITUENCY	:	RAJOURI
DISTRICT	:	RAJOURI
LENGTH	:	3.00 Kms

Estimated Cost = Rs 386.30 Lacs

Agency: PW(R&B) Deptt. Jammu

TECHNICAL REPORT

Name of work:

Construction of road from Chawa to Barwan school via Irwanwali.

Authority:

Deputy Director (E&S) Public Works R&B Department Jammu vide his letter No. CEJ/Plan/2020-21/4161-66 Dated 21-08 -2020 under RIDF – XXVI 2020 -21

History & Necessity

The Proposed road takes off from PMGSY chawa road at a distance of 5 Kms away from District HQ Rajouri The road shall benefits about 4500 souls. The road shall connected about 03 nos villages namely upper chawa, Irwanwali, berwan and its adjoining hamlets will be connected by construction of this road. The main economic activity of public is agriculture, cattle rearing & Para forces. The Terrain of the road is hilly and passes through a large number of bed crossings. The inhabitants of the area earn their livelihood mainly by growing crops, vegetable and dairy products. The area is rich in dairy produces and is carried to nearby area of Rajouri and its surroundings. This makes the road even more important for the farmer of the area to establish their business better and improve their living standard. The construction of this road shall provide better transport facilities to the resident of the area and shall change drastically the living standard of backward class & poor people who will get tremendous uplift .

Keeping in view the above facts, it is felt necessary to construct the roads and complete it in shortest possible time

Proposal & specification: Construction of New road has been proposed to be constructed under NABARD for a length of 3.00 Km.

PHYSICAL DETAILS;

- i) 150mm thick GSB shall be laid.
- ii) Earth work in cutting as per MOST specifications with the formation width of 6.00m shall be constructed
- iii) 150mm thick WBM Gr-II (Shingling) in two layers shall be laid by providing, laying watering and compacting with 80-100Kw road roller broken, nallah stones of 63-45mm size, screening of 13.2mm size to the specified lines, grades and X-section .
- iv) 75mm thick WBM Gr-III shall be laid by providing, laying 53 mm to 22.4 mm size broken stone aggregate using screening of 11.2mm size, and binding material compacted with power road roller.
- v) 25mm thick open graded premix carpet shall be laid with hot mix plant/pavers finisher as per clause 509 of MOST specification 1995 shall be laid over 50mm thick BM
- vi) 09 nos 1.00 mtr dia HP Culverts ,01 no 3.00 mtr span RCC culverts and 150 mtr pucca drain shall be constructed to drain off the water
- vii) Retaining wall and breast walls shall be constructed for improving the geometrics of roads and protection of hill slope.

FINANCIAL DETAILS The estimated cost of the project is Rs 238.58 lacs ,where as Rs 23.85 lacs are to be made available from the state Govt. and assistance of Rs 214.72 lacs is required from NABARD for completion of the project.

TECHNICAL SPECIFICATION.

The road shall be constructed as per MOST specifications to achieve the hard crust thickness of 250 mm upto BT specification.

COST.

The average cost of the road comes to 119.29 lacs per Kms including construction of drainage works.

PHYSICAL AND

FINANCIAL PHASING

The road shall be completed upto BT specification in all respects in the year ending 2023 depending upon the availability of funds and key Constructional materials.

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

Year.	Physical	Financial
2020-21	E/W ,part walling and Part Cross drainage works.	30% of the project cost
2021-22	Completion of Earth work, walling & X-drainage work	40 % of the Project cost
2022-23	Completion of scheme in all respect	30% of the project cost

GOVT. CLEARANCE. The sanction of the project would be accorded along with Sanction of loan from NABARD.

PROJECT IMPLEMENTATION AND MANAGEMENT

This project would be completed by the State PWD under preview of the Chief Engineer PW(R&B)Deptt. Jammu. The implementation of the project would be monitored by State level monitoring committee consisting of representative from the PWD, finance department and NABARD. The state level committee would review the progress of the project on a Quartly basis.

RISK FACTOR.

There is no risk factor involved, sufficient labour is available in this area round the year for early completion of project, besides the Machinery required for construction of the road is available with state mechanical Department and can be arranged in shortest time from the mechanical department.

BENEFITS AND JUSTIFICATIONS.

The project shall provide on all Weather link to about 4500 people residing in the area

Increasing in agriculture production,
The farmers in this area grow crops like's wheat, maize, rice, vegetable fruits, etc. by getting better and regular transportation .It is expected that agriculture productivity will increase as farmers will have access to modern and improved inputs.

Saving in wastage: The up gradation of road will facilitate transportation of marketable surplus to the near by markets resulting saving in wastage of goods.

Saving in travel time, The population of these villages using this road is 4500 souls assuming that only 10% of the people are engaged in labour marketing activities with the construction of this road it is expected that the travel time shall be reduced by 4 minutes per Km with the probability of securing employment 1.46 lacs at daily wage rate of Rs.100 per day for unskilled labour and Rs 200 - for skilled.

BETTER EDUCATION FACILITY: With construction of this road the people of the area could avail better education facilities available at Rajouri easily and conveniently.

SAVING INVEHICLE OPERATING FACILITIES:- As per survey conducted by the department the volume of traffic has been converted in to standard passenger car unit with the help conversion in estimated as per the details furnish below.

S.NO	Vehicle Type	No /days	Conversion	Pcus/day
1	Cycles.	90	0.50	45
2	Motor cycle/scooter	110	0.50	55
3	Passenger car Ride	80	1.50	120
4	Agriculture tractor.	70	1.50	105
5	Bus	60	3.00	180
6	Truck/Tipper	50	3.00	150
	Others	80	1.00	80
			Total:-	735

Assuming the vehicle operating cost Rs.7.00 lacs at 2007-08 prices. The annual saving in VOC many quantified at Rs 56.33 lacs.

GENERATION OF ADDITIONAL EMPLOYMENT: The const. of road provide direct employment to this land less and needy during the implementation period of three years about 1.46 lacs man days are expected to generated.

Certified that we have inspected the site and are satisfied with the proposal and specifications kept in the project report. The proposal are strictly devised and designed as per relevant codes of Indian road Congress Bureau of Indian standard and Engineering practice and most suitable under site conditions.

Assistant Executive Engineer
P.W.D (R&B) Sub-Division
South Rajouri

Executive Engineer
P.W.D (R&B) Division
Rajouri

ABSTRACT OF COST

Name of work :- Construction of road from Chawa to Barwan school via Irwanwali.

Technical Data :-

1.	Length	:	3.00 Kms
2.	Specifications	:	Up to B.T specification
	(a) Road way	:	6.00 Mtr
	(b) Carriageway	:	3.00 Mtr
4.	Pavements	:	450 mm upto B.T
5.	Present Status	:	New Scheme
6.	X- Drainage	:	10 Nos

S.No.	Particulars of item.	Qty.	Rate Rs	Amount (in lacs)
01.	Earth work in Bulk Excavation <u>All kinds of soil</u> <u>Soft Rock</u> <u>Hard Rock</u> 80% 10% 10%	44303.00/m ³	255.80	113.32
02.	Pavements. a GSB 150mm thick b WBM Gr-IIInd 150mm thick (two layers) c W.B.M Gr-III rd 75 mm thick (one layers) d 25 mm thick open graded premix carpet e 50mm thick B.M	1485.00 M ³ 9900.00 M ² 9900.00 M ² 9900.00 M ² 495.00 M ³	1081.05 M ³ 310/M ² 170/M ² 330/M ² 5770.70 M ³	16.05 30.69 16.83 37.12 28.56
03.	X-Drainage works a 3.00 Mtr span RCC Culvert b. 1.00 m dia H.P Culvert c) Pacca Drain	01 Nos 09 Nos 150 Rmt	12.45 Lacs /E 2.03 lacs/ each 2745.00/ Rmt	12.45 18.27 4.11
04.	Walling a) Const. of semi Pacca R/Wall b) Const. of semi pacca B/Wall	200 Mtr 225 Mtr	19900/ Rmt 10700 / Rmt	39.80 24.07
05.	Making of Guide Stone, caution board	3.00 Km	0.20/Km	0.60
			Total :-	341.87
				10.25
	Add 3% for W.C & Contingencies charges			
			Total A	352.12
(A)				3.24
(B)	Maintenance for 05 years			5.81
	1 st Year @ 0.95% of (A)			6.66
	2 nd year @ 1.70% of (A)			8.20
	3 rd year @ 1.95% of (A)			10.25
	4 th year @ 2.40% of (A)			
	5 th year @ 3.0% of (A)			
			Total B	34.18
			Total - A+B	386.30

Say Rs 386.30 lacs

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

Executive Engineer
PWD(R&B) Division
Rajouri