

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

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

No:- 196-200/SE

Dtd:- 1-6-2015

**Subject:-** Improvement/widening (Double laning) of Lakhanpur -Thein road upto Ranjit Sagar Dam (Length - 19.00 Kms) **Under CRF.**

Sir,

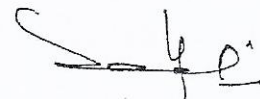
Kindly find enclosed herewith, the project report for the above noted work in requisite number of copies duly supported with Technical Report and Abstract of Cost amounting to **Rs. 4349.00 lacs** for favour of further necessary action at your end please.


The Salient features and specifications to be adopted have been fully explained in the technical report appended herewith.

The Application for Administrative Approval has been prepared as desired by the **Ch. Lal Singh Hon'ble Minister for Health, Medical Education & ARI Training J&K Govt.**

It is therefore, requested that above noted administrative approval may kindly be got accorded and communicated to this office alongwith requisite funds.

Yours faithfully,



(Er. K.S. Nathyal)  
Executive Engineer  
PWD (R&B) Division  
Kathua. 

**Copy to the :-**

1. Chief Engineer PW(R&B) Department Jammu for favour of information
2. P.A to the Hon'ble Minister for Health, Medical Education & ARI Training J&K Govt for onward submission to the Hon'ble Minister.
3. Assistant Executive Engineer PWD (R&B) Sub Division No. II Kathua for information
- 4-5. H.D./C.C. for information.

**GOVT. OF JAMMU AND KASHMIR**



**Public Works Department (Roads and Buildings)**  
**Jammu**

For

**Improvement/widening (Double Laning) of Lakhanpur -  
Thein road upto Ranjeet Sagar Dam (L=19.00 kms)  
(UNDER CRF)**



District :- Kathua (J&K)


Estimated Cost :- Rs. 4349.00 lacs

## CERTIFICATE

**Name of Work :-** Improvement/widening (Double laning) of Lakhanpur –  
Thein road upto Ranjit Sagar Dam (Length – 19.00 Kms)  
(Under CRF)

1. The land is free from all encumbrances and is available with PWD/J&K Government and that no land acquisition is required for this project.
2. No original work on the reach as marked in the Index plan has been undertaken in the last three years and no original work has been sanctioned in this reach under any scheme of the State/Central Government.
3. The proposed work is as per IRC/MORT & H Codes/ Specifications and rates are realistic and approved by the Competent Authority in J&K PWD.

  
Executive Engineer  
PWD(R&B) Division  
Kathua 

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

  
Chief Engineer  
PW(R&B) Department  
Jammu.

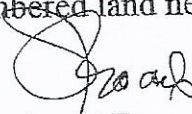
  
Executive Engineer,  
P.W.D. (R&B) Div.  
Kathua






## CHECK LIST

PROJECT FORMULATION :- Improvement/widening (Double laning) of  
Lakhanpur -Thein road upto Ranjit Sagar Dam  
(Length - 19.00 Kms)

- |     |   |  |
|-----|---|--|
| 1.  | District  | Kathua                                 |
| 2.  | State road Map with indicating district boundaries, National Highways, State Highways, Major district, Roads, Rural roads or other types of roads in different colours, in addition to the roads already approved under the scheme and on-going works under this schemes. | Enclosed                               |
| 2.  | Index Map showing the area and proposed road/Bridge.  | Enclosed                               |
| 3.  | Category of the road proposed to be improved whether the State highway or Major district road or otherwise;   | Major District Road                    |
| 4.  | Scope of the work incl. the specifications to be adopted in brief;  | Yes                                    |
| 5.  | Length  | 10.00 kms                              |
| 6.  | Estimated cost of the project based on the actual requirement and realistic cost estimate along with an abstract of cost estimate;.   | Enclosed                               |
| 7.  | Justification of the work for inclusion in the scheme;  | As per Technical Report                |
| 8.  | Details of last improvement work done on this road and the calendar year in which it was carried out;   | No original works for last Three Years |
| 9.  | Probable starting date;.  | As per scheme approved                 |
| 10. | Target date of completion;  | As per scheme approved                 |
| 11. | A certificate regarding availability of the entire Unencumbered land needed for the project.  | Enclosed                               |

  
Assistant Executive Engineer  
PWD (R&B) Sub Division-II  
Kathua

  
Executive Engineer  
PWD (R&B) Division  
Kathua 

  
Executive Engineer  
P.W.D. (R&B) Div.  
Kathua

## TECHNICAL REPORT

### Name of the work:-

Improvement/widening (Double laning) of Lakhanpur -Thein road.  
upto Ranjit Sagar Dam (Length - 19.00 Kms)

### Authority:-

Hon'ble Minister for Health , Medical Education & ARI Training  
J&K Govt.

### History & Necessity:-

The Lakhanpur -Thein road takes off from Lakhanpur (NH-1A) constructed long back and leads upto village Thein where Ranjit Sagar Dam is located. The length of the road 19.00 kms consisting of a single lane specification. This Lakhanpur -Thein road happens to be a feeder road for the remote Tehsil of Basohli, Bani and Billawar . This road joins the Dhar - Udhampur road near village Thein. The existing road is of single lane specification and has become insufficient for the increased traffic intensity on the road. The average road formation is 7.50 mtr. and carriageway is 3.75 to 4.00 mtr. This road caters to the communication needs of more than one lakh souls living enroute. Besides this, the road is life line for a large population of Basohli , Mahanpur, Billawar and Bani and other adjoining areas of the state.

This road when improved shall not only give impetus to the market accessibility of the remote areas but also provide better riding quality for thousands of vehicles. This road is also significant from the defence point of view as it serves as an alternate for NH-1A in case of exigencies.

Proposals & Specifications:- In view of increased heavy traffic intensity on the road it has been proposed to construct the road to double lane specification by way of widening of road, improvement of roads geometric, construction of vented causeways at nallah crossing disrupting the movement of traffic during rains .

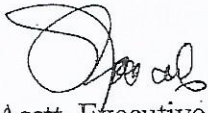
The following specification has been proposed for improvement/widening of the road.

Road formation	=	10.50 mts.
Carriageway width	=	7.50 mts.

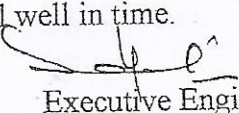



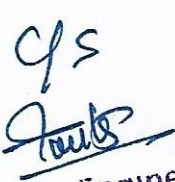
- a). Earth work in cutting/filling shall be executed having formation width of 10.50 mtr.
- b). 15cm thick WBM Grade -II (Shingling) shall be laid by providing , laying, watering and compacting (with 80-100 Kn Roller) with broken nallah stones of 63-45mm size and screening of 13-20mm size specified lines, grades and cross sections on the widened portion of the road .
- c). 7.5 cm thick WBM Grade -III (Metalling) shall be laid by providing, laying, Watering & compacting (with 80-100 KN Roller) with broken nallah stones of 53-22.4mm size and screening of 11.20mm size to specified lines, grades & cross sections on the widened portion of the road .
- d). 50 mm thick Bituminous Macadam shall be laid over the entire carriageway 7.50 mtr wide with hot mix plant and Paver finisher as per MORT & H specifications on the full carriageway width of 7.50 mtr.
- e). 25 mm thick semi dense bitumen concrete shall be laid incl. tack coat with Hot Mix Plant and Paver finisher as per MORT & H specifications on the full carriageway width of 7.50 mtr.
- f). 15 No. 1.00 mtr. span RCC culvert , 08 No. 2.00 mtr. span RCC culvert, 03 No. 3.00 mtr. span are proposed to be constructed beside construction of vented causeways of different spans (Length - 400.00 mtr.) at different locations/Nallah bed crossing have been proposed for smooth flow of traffic during rains which otherwise get disrupted due to blockage of road at these nallah bed crossing.
- g). Const. of Pucca RCC drain for the entire length 3000.00 mtr shall be constructed wherever required.
- f). Pacca Retaining wall, Breast wall for an average length of 1600.00 mtr & 1400.00 mtr. length shall be constructed at different locations wherever required.

**Time & Cost :-**

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

The estimated cost of the project is **Rs. 4349.00 lacs** and shall take **03 years** for its completion subject to the availability of funds and departmental material well in time.

  
Executive Engineer  
PWD(R&B) Division  
Kathua 

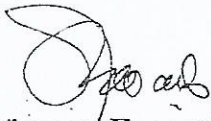
  
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
## GENERAL ABSTRACT OF COST

Name of Work :- Improvement /Widening (Double Laning) of Lakhanpur  
Thein road upto Ranjeet Sagar Dam (L =19.00 kms)  
(Under CRF).

S.No	Description	Amount (In lacs)
1.	Improvement /Upgradation of road (details as per Annexure- 'A' attached)	2823.80
2.	Providing and Fixing of Sign Boards & Road Marking (details as per Annexure- 'B' attached)	157.75
3	Construction of Vented Causeway Length= 400 Rmt@ Rs 3.00 Lacs/Rmt	1200.00
	Total:-	4181.55
	Add 3% for work charge establishment & contingencies	125.44
	Add 1% for Quality assurance	41.81
	G. Total:-	4348.80

Say Rs. 4349.00 lacs

  
Assistant/Executive Engineer  
PWD (R&B) Sub Division-II  
Kathua

  
Executive Engineer  
PWD(R&B) Division  
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9/5  
  
Executive Engineer  
P.W.D. (R&B) Div.  
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