

(b) to (e) No, Sir. However, World Bank expressed its concern related to poor performance of contractors, work site safety arrangement, contract management. Consequently, the four poor performing packages (WB-9, WB-10, WB-11 and WB-12) in the State of Bihar were delinked from the World Bank loan assistance after restructuring the loan.

Repair of highway connecting Darjeeling

1798. SHRI SAMAN PATHAK : Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether Government is aware that Highway No. 55 (Siliguri to Darjeeling region) which was badly damaged because of the landslides on 18th June, 2010 and 28* September, 2011 has not yet been repaired;

(b) if so, the details thereof;

(c) whether Government is taking any steps to restore movement on this only highway that connects Darjeeling; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI JITIN PRASADA): (a) Yes, Sir.

(b) to (d) Details are given in statement.

Statement

Repair of highway connecting Darjeeling

There was a major land slide at Km 43.5 (Paglaghora) of NH-55 in June, 2010. Total length of 450 mt. of road bench slipped out. An estimate for Rs. 408.71 lakhs was sanctioned in January, 2011 for repair of the road. After repair the road was opened to traffic in April, 2011. On 21st May, 2011 there was a land slide at the same location, due to heavy rains, thereby disrupting traffic, damaging the already executed work. NH traffic is running through alternative Rohini road (State Road) since June, 2011. Due to earthquake on 18.09.2011, 100m long and 100mm wide cracks was developed on road bench at km 52/900 (near Tindharia). Due to continuous rain, the road bench of about 115m in length and 55m in height at this location was completely washed out on 28.09.2011. Since then,

†Original notice of the question was received in Hindi.

traffic is suspended in this location also. To keep the alternative route (Rohini Short Cut Road) in traffic worthy condition, an estimate of about Rs.4.85 crore is under sanction in the Ministry. Besides this consultancy work for preparation of Detailed Project Report is under preparation for rehabilitation and upgradation to 2 lane with /without paved shoulder configuration and strengthening of entire NH-55 in West Bengal to be under taken has been taken up with World Bank Assistance. Consultant has been asked to carry out detailed study and submit a Comprehensive solution for rehabilitation of these damaged slipes. Work of rehabilitation will be taken up after detailed study.

Use of plastic waste in road construction

1799. SHRI R.C. SINGH: Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) whether the Central Road Research Institute has carried out or is carrying out any research on use of plastic waste in road construction;
- (b) if so, the details of such research; and
- (c) the cost comparison between the roads constructed with the help of plastic waste, concrete roads and conventional bitumen roads?

THE MINISTER OF STATE IN THE MINISTRY OF ROAD TRANSPORT AND HIGHWAYS (SHRI JITIN PRASADA): (a) Yes, Sir.

(b) Central Road Research Institute (CRRI) has developed guidelines for use of waste plastic in bitumen road construction and also developed process technology to manufacture waste plastic modified bitumen. It has been patented. A number of roads under jurisdiction of Public Works Department, Government of Delhi, under the supervision of CSIR-CRRI has been constructed and are performing well.

(c) It is premature to compare the cost of roads constructed with the help of plastic waste, with concrete roads and conventional bitumen roads, based on research projects.

By-pass projects in KBK districts of Odisha

1800. SHRI RUDRA NARAYAN PANY: Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) the action that has been taken by Government till now for the completion of the 'By-Pass' projects coming under KBK (Koraput-Bolangir-Kalahandi) districts in Odisha;