

■ The suspended pedestrian bridge on Barapullah Road (above) had earlier collapsed during construction before the CWG in 2010 (below). It was rebuilt later.

HT PHOTOS: SONU MEHTA AND MOHD ZAKIR

Pedestrian bridge wins award for innovation, design

HT Correspondent

■ htreporters@hindustantimes.com

NEW DELHI: The arch-shaped suspended pedestrian bridge on Barapullah Road near Jawaharlal Nehru Stadium has been awarded a special prize for innovation and design at a function to celebrate 159th CPWD Foundation Day at Vigyan Bhavan on Friday. The bridge had collapsed during construction before the Commonwealth Games in 2010 and was rebuilt later.

Sarvagya Srivastava, Delhi PWD chief engineer of flyover division, who was the manager of Barapullah project (the pedestrian bridge was part of the project), received the award from Chief Minister Sheila Dikshit.

It was the first time such a bridge was attempted in India. While its construction was suspended, the PWD constructed three more such pedestrian bridges near Ghazipur in east Delhi and another one just 200



metres from this bridge on Barapullah Road itself.

The construction of the bridge that had collapsed was taken up again later and was completed earlier this year. The PWD had sourced the equipment from a different company.

Delhi PWD minister Raj Kumar Chauhan had earlier told Hindustan Times that pedestrian bridges of similar design will be constructed at other locations

when Barapullah elevated road is extended to Aurobindo Marg and then Mayur Vihar in Phase II and Phase III respectively.

Speaking at the occasion, Dikshit exhorted the CPWD to come out with a manual on making homes more environment-friendly as it was the only solution to depleting natural resources such as sources of power and underground water table.

Printed From

‘DISGRACED’ FOB DECLARED BEST INFRASTRUCTURE PROJECT

Saturday, 13 July 2013 | Staff Reporter | New Delhi

Rate : 0/5

Like : 0

The “disgraced” foot-over bridge (FoB) near Jawaharlal Nehru Stadium that once shamed the Capital by collapsing just days before the 2010 Commonwealth Games, won the ‘special award for excellence in design and construction’ and was declared the best infrastructure project.

The suspended steel-arch-type FoBs are the first-of-its-kind of structures built in the country. PWD chief engineer Sarvagya Srivastava, on Friday, received the award at a function to mark the 159th Central Public Works Department (CPWD) day.

“The FoB constructed at JLN stadium is a beautiful structure spanning 95 metres. It is one of the most elegant structures adorning the skylines of Delhi over the Barapullah Elevated Road Corridor. These structures are testimony to the engineering excellence and high calibre of engineers. It has been decided that the Government will use the same design of FoB in its future projects,” said Srivastava adding “no intermediate supports have been provided.” Incidentally, the Barapullah Corridor won the award in 2011.

Construction on all other FoBs stopped following the incident in September 2010 when there was a slip in one of the clips that supported the structure which was attached to the end of the suspenders dangling from an arch. The structure fell while concrete was being poured into one of the decks. The Army was temporarily asked to rebuild the bridge, for the Games were round-the-corner. Yet, work on both the FoBs near the JLN Stadium was permitted to resume in March 2012 upon intervention of Chief Minister Sheila Dikshit. Work was completed between September 2012 and February 2013.

“It is aesthetically pleasing, flexible when it comes to changing locations, cost-effective and it does not occupy much space,” Srivastava said. “The most challenging task of constructing the FoBs was to execute the project over the running traffic on Barapullah Elevated Road and Cluster Bus Depot Parking,” said PWD Minister Raj Kumar Chauhan.

Cities » Delhi

Once 'disgraced', FOB now nominated for 'best' venture

Sowmiya Ashok



The foot-over bridge near Jawaharlal Nehru Stadium in Capital has been nominated for 'Best Infrastructure Project'. Photo: R. V. Moorthy

The Hindu

The "disgraced" foot-over bridge (FOB) near Jawaharlal Nehru Stadium that once shamed the Capital by collapsing just days before the Commonwealth Games began has now -- two and a half years later -- been nominated, along with another one, for the 'Best Infrastructure Project'. The two FOBs were formally declared completed by Delhi PWD Minister Rajkumar Chauhan in February this year.

"The FOBs constructed at JLN Stadium are one of the most elegant structures adorning the skylines of Delhi over the Barapullah Elevated Road Corridor. These structures are testimony to the engineering excellence and high calibre of engineers," states the nomination filed by the Public Works Department (PWD) for the 159 Annual CPWD Day to be held on July 12. Incidentally, the Barapullah Corridor won the award in 2011.

Construction on all other FOBs stopped following the incident in September 2010 when there was a slip in one of the clips that supported the structure that was attached to the end of the suspenders dangling from an arch. The structure fell while concrete was being poured into one of the decks. The Army was temporarily asked to rebuild the bridge for the purposes of the Games.

Yet, work on both the FOBs near the JLN Stadium was permitted to resume in March 2012 upon intervention of Chief Minister Sheila Dikshit. Work was completed between September 2012 and February 2013.

"It's a beautiful structure spanning 95 metres," said PWD Chief Engineer Sarvagya Srivastava, adding no intermediate supports have been provided. The suspended steel-arch-type FOBs are the first-of-the-kind structures built in India, he said.

The bridges were rebuilt using alternate suspender system of Freyssinet Suspenders which are manufactured using specific industrial processes including heat treatment (quench and tempered) that ensures increased mechanical characteristics.

Mr. Srivastava said it is a "useful design" that can be easily constructed irrespective of the width of the road. "It is aesthetically pleasing, flexible when it comes to changing locations, cost effective and it does not occupy much space," he said.

Comparing it with jewellery, the PWD Chief Engineer said that steel structures are an investment that can be sold easily or rebuilt at a different location. All the steel used were procured from SAIL and TATA.

"The most challenging task of constructing the FOBs was to bring back the confidence of the construction agency, consultant, client and the public in general. The work was being executed over the running traffic on Barapullah Elevated Road and Cluster Bus Depot Parking. Planning and execution of work over the running traffic was a big

challenge,” noted the nomination filed.

Keywords: [Delhi](#), [foot-over bridge](#), [best infrastructure project award](#), [Rajkumar Chauhan](#), [2011 FOB collapse](#),