

Bringing More Power to the J&K Valley

LOCATION

Jammu and Kashmir (J&K), India



IMPROVING QUALITY OF LIFE IN THE VALLEY OF KASHMIR

This northernmost region of India faces severe power deficit, crippling daily life and adversely impacting its path to progress. The problem gets a lot worse during the harsh winters, as less hydropower is generated. There was a need to connect the Valley with the Northern Grid via a reliable transmission corridor.

THE CHALLENGES

We tackled extreme conditions of terrain and weather. This one-of-a-kind project passed through great altitudes, including the mighty Pir Panjal range in J&K, which remains inaccessible for six months during winters. Another challenge was the distance of the project site from the nearest roadway, making movement of tonnes of materials a considerable task.

ACHIEVEMENTS

We leveraged advanced technology and superior innovation, across the life cycle of the project. Helicopters were used to deliver more than 3,500 tonnes of materials to the site safely. Drones and helicopters were used to supplement the functioning of the helicopters, with a range of activities from wire stringing to providing aerial surveillance.

With an indomitable determination to succeed even in the toughest of conditions, we completed the project two months ahead of schedule. Today, the NRSS 29 is delivering more than 1,000 MW of reliable power from Punjab to the Kashmir valley.

WHAT WE DID

We built an alternate power corridor. The 414-km-long Northern Region Strengthening Scheme XXIX (NRSS 29) is one of the biggest private sector transmission projects. It comprises one 400/200 kV GIS substation and three 400 kV double circuit transmission lines through the states of Punjab and J&K.