

Passenger Ropeways



At a Glance

CRSPL is the pioneering Company in India in the field of Aerial Ropeways. Founded in the year 1975, CRSPL has over **47 years of experience**. At CRSPL we conceptualise and manufacture ropeways which provides an end to end service, all under one roof.

We have successfully executed over **130 projects** for both private and public sectors. We are at the forefront of the ropeway industry with **8 offices all over India, 3 overseas contact offices**, a full fledged design team, a well equipped manufacturing unit and an extensive R&D wing.

We have international exposure as well. We have executed many overseas contracts in the subcontinent including and not exclusively, **Indonesia, Taiwan, Bhutan, Nepal, Bangladesh & Pakistan**. We have also exported our designs to **the United States and the United Kingdom**.

130+
Projects

47+
Years

70+
Clients





Our Clients

Our clientele encompasses a diverse spectrum – from government initiatives enhancing public transportation to private ventures elevating tourism experiences. These partnerships have not only shaped the skyline but have also woven a tapestry of success stories that stand as a testament to our commitment to quality and innovation.



ADLABS



Passenger Ropeways

Passenger ropeways aren't just transportation systems; they are transformative threads weaving through the fabric of society. As silent contributors to progress, these aerial marvels offer a multitude of benefits:

A. Urban Connectivity: In bustling cities, ropeways alleviate traffic congestion, providing swift and efficient transport over challenging terrains. Connecting neighbourhoods and easing urban mobility, they redefine the skyline with elegance.

B. Tourism Upliftment: In scenic landscapes, ropeways unveil vistas that ground transportation cannot reach. Enhancing tourist experiences, they become gateways to natural wonders, fostering local economies and cultural exchange.

C. Accessible Transport: Ropeways extend accessibility to remote areas, connecting communities to vital services. They bridge geographical gaps, making education, healthcare, and employment opportunities within reach for previously isolated regions.

D. Eco-Friendly Solutions: Embracing sustainability, passenger ropeways minimize environmental impact. With low carbon footprints and minimal land use, they represent a harmonious coexistence between modern transport and nature.

E. Social Inclusion: Ropeways break barriers, promoting inclusivity. They empower diverse populations, including differently-abled individuals, by providing an accessible and reliable mode of transportation.

As silent champions of progress, passenger ropeways transcend mere conveyance; they uplift societies, foster growth, and create pathways towards a more connected, inclusive, and sustainable future.

Types of Passenger Ropeways

A. Chair Lift System :

This system is widely used in hilly areas. In the winter resorts, all over the world, one can find a number of them. Their capacity range between 50 to 1200 PPH.

B. Monocable Gondola System :

For aerial passenger transportation, this system has widest in the world, both in flat and hilly terrain. Maximum capacity achieved in this system is in the region of 2000 PPH.

C. Bicable Gondola System

In this system, tensioned stationary track ropes on both outward and inward sides, along with a second endless rope attached to each cabin, move gondola cabins in both directions.

D. Tricable Gondola System

TDG systems combine features of both Gondola and Reversible Ropeway systems (i.e. separate ropes serve the two functions: stationary support ropes or "track cables" and a moving "haul rope"), and detachable gondolas.

E. Jigback Monocable Tramway System:

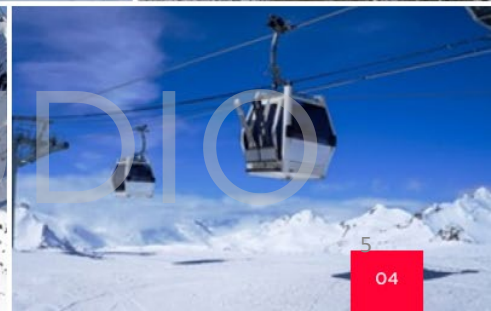
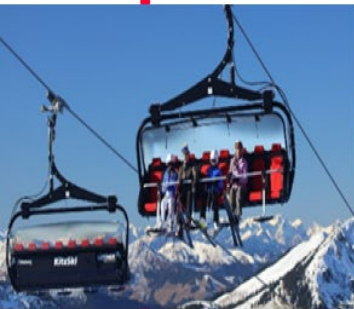
An endless haulage rope both carries and hauls cabins. The two cabins, firmly attached to the rope at opposite terminal stations, switch places when the drive is reversed upon reaching their respective stations.

F. Jig Back Type Bicable Tramway:

This system uses two tensioned track ropes supporting cars pulled by a separate cabin-fixed rope, achieving high speeds. The most modern Jig back tramway reaches a maximum speed of 12 m/s and accommodates 160 passengers in a single cabin.

G. Funitel / DMC (Double Rope Monocable) Type Ropeway

This system employs two tensioned track ropes supporting cars pulled by a separate cabin-fixed rope, allowing for high speeds. The most modern Jig back tramway has achieved a maximum speed of 12 m/s, accommodating 160 passengers in a single cabin.





Bheraghat, Madhya Pradesh

 Built, owned and operated by CRS in collaboration with **PWD Jabalpur**.

 Commissioned on : June, 2007

 System : Monocable Continuously Rotating Gondola

 Capacity : 800 PPH

 Length : 535 mt

 Level Difference : 3 mt

 Number of Cabins : 10

 Cabin Capacity : 6 Passengers

Chittagong, Bangladesh

 Client : **Department of Forest, Govt. of Bangladesh**

 Commissioned on : December, 2014

 System : Monocable Continuous Rotating Gondola

 Capacity : 400 PPH

 Length : 1190 mt

 Level Difference : 60 mt

 Number of Cabins : 12

 Cabin Capacity : 6 Passengers





Darjeeling, West Bengal



Built, owned and operated by CRS in collaboration with **West Bengal Forest Development Corporation**



Commissioned on : March, 1998



System : Monocable Continuous Rotating Gondola



Capacity : 400 PPH



Length : 2300 mt



Level Difference : 530 mt



Number of Cabins : 15



Cabin Capacity : 6 Passengers

Dongargarh, Chattisgarh



Built, owned and operated by CRS in collaboration with **Nagar Palika Parishad, Dongargarh**



Commissioned on : October, 1994



System : Monocable Continuous Rotating Gondola



Capacity : 100 PPH



Length : 675 mt



Level Difference : 183 mt



Number of Cabins : 2



Cabin Capacity : 8 Passengers





Rajgir, Bihar



Client - Bihar State Tourism Development Corp.



Commissioned on : March, 2020



System : Monocable Continuously Circulating Gondola



Capacity : 800 PPH



Length : 525 mt



Level Difference : 180.5 mt



Number of Cabins : 20



Cabin Capacity : 8 Passengers

Tsomgo, Sikkim



Built, owned and operated by CRS in collaboration with **Department of Tourism, Govt. of Sikkim**



Commissioned on : July, 2017



System : Monocable Continuous Rotating Gondola



Capacity : 1000 PPH (operating at 800 PPH)



Length : 664 mt



Level Difference : 250 mt



Number of Cabins : 12



Cabin Capacity : 6 Passengers





Vishakhapatnam, Andhra Pradesh



Built, owned and operated by CRS in collaboration with **Vishakhapatnam Urban Development Authority**



Commissioned on : May, 2004



System : Monocable Continuously Rotating Gondola



Capacity : 800 PPH



Length : 304 mt



Level Difference : 124 mt



Number of Cabins : 11



Cabin Capacity : 6 Passengers

Lonavla, Maharashtra



Client : Sahara India



Commissioned on : October, 1995



System : Monocable Jig Back



Capacity : 100 PPH



Length : 140 mt



Level Difference : 45 mt



Number of Cabins : 2



Cabin Capacity : 6 Passengers





Bhopal, Madhya Pradesh



Built, owned and operated by CRS in collaboration with **Bhopal Municipal Corporation**



Commissioned on : Juna, 2001



System : Monocable Jig Back



Capacity : 200 PPH



Length : 360 mt



Level Difference : 96 mt



Number of Cabins : 2



Cabin Capacity : 9 Passengers

Salkanpur, Sihore, Madhya Pradesh



Built, owned and operated by CRS in collaboration with **Deviji Mandir Samity**



Commissioned on : December, 2009



System : Monocable Multi-Cabin Jig Back



Capacity : 200 PPH



Length : 790 mt



Level Difference : 236 mt



Number of Cabins : 4



Cabin Capacity : 6 Passengers



LIST OF PROJECTS

Name	Location	Capacity (PPH)
1. DRV Ropeway	Darjeeling, West Bengal	400
2. Bhopal Ropeway	Bhopal, Madhya Pradesh	200
3. Kailashgiri Ropeway	Vishakhapatnam, Andhra Pradesh	800
4. Sanhati Park Ropeway	Ashoknagar, West Bengal	400
5. Narmada Ropeway	Bheraghat, Madhya Pradesh	800
6. Maa Vijyasana Deviji Ropeway	Salkanpur, Madhya Pradesh	200
7. Tsomgo Ropeway	Gantok, Sikkim	1000
8. Veer Hanumanji Ropeway	Samod, Jaipur, Rajasthan	500
9. Rajgir Ropeway	Rajgir, Bihar	800
10. ADLABS Imagica	Khopoli, Maharashtra	500
11. Chittagong Ropeway	Chittagong, Bangladesh	400
12. Mansapura Ropeway	Udaipur, Rajasthan	200
13. Kempt Falls Ropeway	Mussoorie, Uttarakhand	400
14. THPA Ropeway	Tala, Bhutan	240
15. Aamby Valley Ropeway	Lonavla, Maharashtra	100
16. Maa Bamleswari Ropeway	Dongargarh, Chattisgarh	100
17. Bandipur Ropeway	Bandipur, Nepal	500
18. Siddhartha Cable Car	Butwal, Nepal	500
19. Brahmyoni Hill Ropeway	Gaya, Bihar	150
20. Manyam Konda Ropeway	Telengana	350

BULBSTUDIO



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