Conveyor Ropeway Services Pvt. Ltd.

Corporate Office: 75C, Park Street, 6th Floor, Kolkata - 700016
Ph: (033) 2229 5990 / 2217 6779, Fax: (033) 2217 4280
Website: www.crspl.com

Certificate of Compliance

INTEGRATED QUALITY CERTIFICATION PVT. LTD.

hereby certifies that the quality management systems of

Conveyor & Ropeway Services Pvt. Ltd.

Office: 75 - C Park Street, 6th Floor, Kolkata - 700 016,
Works: Tarpan Ghat Road, Kolkata - 700 053,
West Bengal, INDIA.

has been assessed and conforms to the quality management systems

ISO 9001:2008

Scope: Design, Development, Manufacture and Supply of
1. Ropeway Installation for Passenger and Material Transportation including its Erection, Commissioning Operation and Maintenance.
2. Material Handling System
3. Modular Coal Washing Plants.

EA/NACE	: 18, 28 - 29.22, 29.52/1, 45.21/3	Initial issue date	: 12.04.2016
Exclusion(s)	: None	Current issue date	: 12.04.2016
Certificate number	: IND/QMS/NAB-C2718/2537	Valid from	: 12.04.2016
Attachment(s)	: None	Valid till	: 14.09.2018

H. Narasimhaiah
Director

This certificate is valid subject to periodic surveillance audits of the quality management systems within the above defined scope as per the agreed contract terms and conditions. The organisation shall provide written notification to Integrated Quality Certification Pvt. Ltd. of any significant changes which have impact on the scope of this certificate of compliance.

Corporate Office : Platinum City, G/13/03, Site # 02, Next to CMTI, HMT Road, Yeshwanthpur Post,
Bangalore - 560 022, INDIA. Tel : +91(80) 41172752, 41277353 Fax : +91(80) 41280347,
Email : iqccorporate@iqcglobal.com Website : www.iqcglobal.com,
CIN : U74140KA2003PTC031851.

Please visit www.iqcglobal.com and / or www.jas-anz.com
to verify the authenticity and validity of this certificate of compliance

Company At a Glance

CRSPL is the pioneering Company in India in the field of Aerial Ropeways

- Founded in year 1975 - over 47 years experience
- Concept to commissioning of Ropeways and other engineering projects – under one roof
- Having successfully executed over 130 projects for both public and private sectors.
- Having PAN India presence, 8 offices all over India, 3 overseas contact offices and full fledged Design office, Well equipped manufacturing unit, & extensive R&D wing in Kolkata.
- ISO certified company
- Over 200 dedicated staff with Highly qualified engineers
- Having international exposure, executed many overseas contracts in the subcontinent like Taiwan, Bhutan, Nepal, Bangladesh & Pakistan and exported its design on ropeway to US, UK.
- Participation in trade fairs both national & international to keep abreast with latest technologies.

Company Speciality

M/s Indian Ropeway, the predecessor of CRSPL had built the first indigenous Bi-Cable Ropeway in India, in 1973.

CRSPL has a patent on its unique detachable grip which combines spring cum gravity application.

CRSPL has invented and patented the first non-linear ropeway in the world.

CRSPL has installed the highest altitude ropeway in Asia at 14000 ft MSL, in a snow bound Tsomgo Lake, East Sikkim.

CRSPL has installed the longest indigenous passenger ropeway of 2.5 kms at Darjeeling, West Bengal.

Company Expertise

Company has special expertise and acknowledged background in India and abroad in the field of

PASSENGER ROPEWAY

CURVO

MATERIAL ROPEWAY

COAL WASHERY

Clientele

ADITYA BIRLA HINDALCO

cmpdi A Mini Ratna Company

BHARAT COKING COAL LIMITED

Bhopal Municipal Corporation

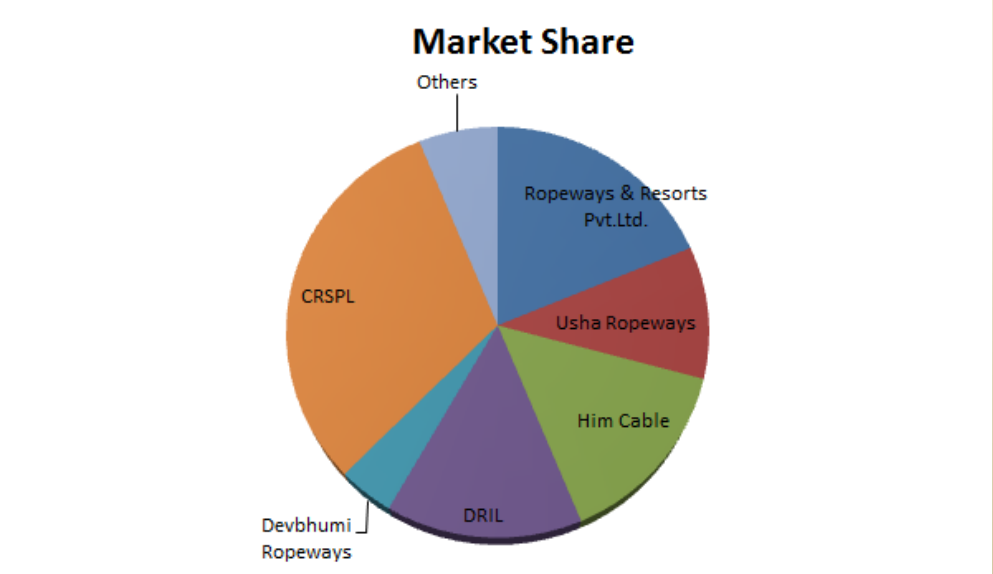
DIAMOND CEMENT www.Diamondcement.com

SMC Power Generation Ltd.

MOIL Manganese Ore India Limited

Our Speciality

- M/s Indian Ropeway, the predecessor of CRSPL had built the first indigenous Bi-Cable Ropeway in India, in 1973.
- CRSPL has developed the world's first non-linear ropeway for urban transportation and has a international patent on it.
- CRSPL has a patent on its unique detachable grip which combines spring cum gravity application
- CRSPL is the only Ropeway Company in India to provide hydraulic tensioning device at par to other European ropeway manufacturers.
- CRSPL has the largest market share in the industry having built highest number of Passenger Ropeways in India.
- CRSPL has installed the highest altitude Ropeway in Asia at 14000 ft.MSL, in a snow bound Tsomgo Lake, East Sikkim.
- CRSPL has installed the longest indigenous passenger Ropeway of 2.5 km at Darjeeling, West Bengal., in a snow bound Tsomgo Lake, East Sikkim.



Company Competence:

- **Preparation of Detailed Survey, Techno – Commercial Feasibility Study & Project Report**
- **Design, Manufacture, Supply, Erection & Commissioning of:**
  - Aerial Ropeway System (Material & Passenger)
  - Conveyor Systems (Belt / Pipe / Pneumatic, etc)
  - Gravity Chute
- **Up gradation, Operation and Maintenance of Ropeway**
- **Design, Manufacture, Supply, Erection & Commissioning of:**
  - Modular Coal Washing Plant.
  - Process Plant
  - Mineral Beneficiation Plant
  - Crushing & Screening Plant
  - Sand Wining & Stowing Plant
  - Suspension Bridges
  - Civil Structures
  - Monorail & MTS
  - Dehumidifiers & Crystallizers.
- **Operation, Maintenance of Ropeway on Contracts.**

Quality

CRSPL is an ISO certified company.

All designs and manufacturing is done as per national & international standards; BIS, BS, ASTM & DIN.

All materials and components are inspected as per QAP.

All testing (Destructive and NDT) are carried out by NABL approved lab. Accuracy of raw material to end product is maintained with calibrated instruments.

Mr. Shekhar Chakravarty, founder cum Chairman of CRSPL, is a stalwart in the field of Aerial Ropeways in India having more than 55 years of experience. He is an important associate of OITAF, the International Orgaization on Ropeways and has made several presentations in their World Congress held all over the world.

SHEKHAR CHAKRAVARTY

CHAIRMAN – CRSPL/DIRECTOR- BRECO

BSc, C.Eng., F.I.Mech.E (England), F.I.E. (India)

Mr. S. CHAKRAVARTY

(MANAGING DIRTECTOR– CRSPL/ DIRECTOR - BRECO)

As Entrepreneur :

- Was partner of M/s INDIAN ROPEWAY ENGINEERING COMPANY in Dhanbad for 6 years.
- Managing Director of M/s VOLGA ENGINEERING COMPANY PVT LTD. Kolkata, from 1978-1996
- Managing Director of **M/s CONVEYOR & ROPEWAY SERVICES PVT. LTD**. Since 1977. This company achieved a lot of feats in the field of Aerial Ropeway System and Coal Washery

As professional affiliation :

- Member, OITAF (International Organization for Transportation by Rope), Italy.
- Member, study committee no. VII, formed by OITAF, during the global Conference held in Grenoble, France, in 1987, to look into the aspect of “promoting the use cable Transportation in the world”, along with other members from Austria, England, France, Switzerland and USA.

Mr. S. CHAKRAVARTY

(CHAIRMAN– CRSPL/ DIRECTOR - BRECO)

SICHERHEIT

Zuruck zu geschraubten Stahlrollen?

Foto: Bergstedt

Shekhar Chakravatry plädiert für geschraubte Stahlrollen

Im April dieses Jahres wurde der ISR von Shekhar Chakravatry, Conveyor & Ropeway Services PVT Ltd, Kolkata, Indien, ein Beitrag mit dem Titel „Go back to Bolted Steel Rollers and have Peace" übersandt, in dem der Autor seiner Überzeugung Ausdruck verleiht, dass geschraubte Stahlrollen für die Führung des Förderseiles von Einseilbahnen (Kabinen-, Sesselbahnen und Schlepplifte) ein höheres Maß an Sicherheit bieten als die heute üblichen schraubenlosen Rollen aus Aluminium. Er führt dafür eine Reihe von Gründen an und argumentiert unter anderem mit dem Seilbahnunfall an der Tröglbahn/Österreich, bei der eine gebrochene Rollenbordscheibe aus Aluminium zu einer Seilentgleisung mit schweren Folgen geführt hat (siehe ISR 1/1992, S. 4). Er fordert daher eine Rückkehr zu dem älteren Konstruktionsprinzip der geschraubten Förderseilrollen aus Stahl.

Die Redaktion der ISR hat es zunächst abgelehnt, den Artikel zu veröffentlichen, weil die fachtechnische Beurteilung der Argumente für geschraubte Stahlrollen – auch nach Rücksprache mit anderen Seilbahnfachleuten – sich in wesentlichen Punkten nicht mit der Meinung des Autors deckt.

In einer Erwiderung des Autors auf den ablehnenden Bescheid der ISR wies der Autor jedoch darauf hin, dass diese Beurteilung wohl zu sehr aus europäischer Sicht erfolgt sei und dass in anderen Erdteilen ganz andere Verhältnisse – etwa im Hinblick auf Material- und Herstellungsqualität sowie Wartungskosten – herrschten. Er meinte, es wäre eine der wichtigsten Aufgaben einer interantionalen Seilbahn-Fachzeitschrift, derartige Sicherheitsfragen auch international zur Diskussion zu stellen.

Diesem Argument kann und will sich die ISR nicht verschließen. Es ist zwar aus Platzgründen nicht möglich, den Beitrag von Shekhar Chakravatry (10 Seiten, 2 Abb., in englischer Sprache) in der ISR abzudrucken, aber jedem ISR-Leser, der sich für diese Frage interessiert, senden wir den Artikel per E-Mail oder Fax zu. (Artikel-Anforderungen bitte unter dem Kennwort „Bolted Steel Rollers" an die E-Mail-Adresse isr.xv@bohmann.at oder an die Telefax-Nr. +43/1/74095/484).

Die ISR ersucht die Seilbahn-Fachwelt um Übermittlung von Stellungnahmen zur Arbeit von Shekhar Chakravatry – die übrigens auch beim OITAF-NACS-Seminar in Girdwood/Alaska (15. bis 19. September 2002) als Referat auf dem Tagungsprogramm steht – und wird die Aussagen dieser Stellungnahmen den Argumenten von Shekhar Chakravatry gegenüberstellen.

JOSEF NEJEZ

TÜV
BAYERN
LANDESGESELLSCHAFT
ÖSTERREICH

Seilbahntechnik
- Wiederkehrende Prüfungen gemäß SeilbÜV 1995
- Abnahmeprüfungen
- Magnetinduktive Seilprüfung
- Maßtechnische Untersuchungen der dynamischen Fahrzeugbeanspruchungen
- Dauerschwingversuche
- Arbeitsplatz-Evaluierung
- Umweltverträglichkeitsprüfung
- Qualitäts-Umweltmanagement
- Druckgeräteprüfung an Beschneiungsanlagen

Und vieles mehr...
Fordern Sie uns!

A-6200 Jenbach · Tiwagstraße 7
Tel. 05244/63967-0 · Fax: 05244/63967-77
e-mail: office-jenbach@tuev-bayern.at

INTERNATIONALE SEILBAHNRUNDSCHAU 3/2002 17

Article Published in ISR – Worlds leading Ropeway Magazine

Mr. S. CHAKRAVARTY

(CHAIRMAN– CRSPL/ DIRECTOR - BRECO)

LIST OF ARTICLES ON AERIAL ROPEWAY AUTHORED BY SHEKHAR CHAKRAVARTY

01. Article titled "JAMBAD-KAJORAGRAM SAND WINNING PLANT FOR COAL BOARD", presented in a seminar on "Design and Manufacture of Mining Machinery & Spare Parts", sponsored by Coal Control and Coal Board, in 1970.

02. Article titled "ROPEWAY TRANSPORTATION IN MINES", presented in a seminar on "Transportation in Mines at Bihar Coalfields", organized by Institute of Engineers India, and sponsored by CMRS and BCCL.

03. Article titled "THE AERIAL ALTERNATIVE", published in "Business Standard" on 30.07.83.

04. Article titled "ENGINEERING FEAT IN AERIAL ROPEWAY", published in "The Economic Times" on 31.01.85.

05. Article titled "THE CULTURE OF TRANSPORTATION BY CABLE IN DEVELOPING COUNTRIES" presented in 6th OITAF International Ropeway Congress, held in Grenoble, France, in June, 1987.

06. Article titled "THE FEASIBILITY FACTOR OF THE AERIAL ALTERNATIVE (ROPEWAYS)" presented in the "International Seminar on Ropeways", organized by RITES and J&K Tourism, held in Srinagar, in October, 1989.

07. Article titled "ROPEWAY AS BASIC LINK IN THE HIMALAYAN REGION"" presented jointly with Mr. K Bose, in the "International Seminar on Ropeways", organized by RITES and J&K Tourism, held in Srinagar, in October, 1989.

08. Article titled "A CASE STUDY OF AN AERIAL ROPEWAY IN REMOTE RURAL HILLY AREA" presented in 6th OITAF-NACS International Symposium, held in Colorado, USA, between 30th August and 2nd September, 1992.

09. Article titled "THE EXPERIENCE OF DETACHABLE GRIP MONOCABLES ON INDUSTRIAL ROPEWAY"" presented in 7th OITAF International Ropeway Congress, held in Barcelona, Spain, between 2-5th June, 1993.

10. Article titled "WORKABLE TOURISTS CABLECAR EQUATION IN EMERGING EAST"" presented in 8th OITAF International Ropeway Congress, held in San Francisco, USA, between 23rd and 27th May, 1999.

11. Article titled "SHOULD WE NOT GO BACK TO BOLTED STEEL ROLLERS" presented in 8th OITAF-NACS International Symposium, held in Anchorage, Alaska, USA, between 15th and 19th September, 2002.

Our Team

Mrs. Rachana Mukherjee
Director

Spearheaded the commercial strategy and development of the organization. She is involved in activities relating to marketing, sales, product development, financial planning and corporate relationship to drive business growth and market share primarily concerned with ensuring the integrated commercial success of the organization.

Over 18 years of experience she is the customer interface making sure that all functions of the organization are aligned to meet its strategic commercial objectives closely linked to the organization's management, in drafting, implementing and evaluating cross-functional decisions for long term growth of the company.

Mr. K. Bose
Technical Director
Member, BIS (Bureau of Indian Standard), India.

Handled more than 90 nos. of Engineering Projects, in the field of Aerial Ropeway Systems for transportation of Passenger as well as Material, Coal & Mineral Beneficiation Plant, and various Material Handling System. He is involved in the project from the project inception, to the commissioning, involving entire designing, freezing technical parameter of the systems, costing, and erection & commissioning of the plants.

CURVO

World’s First Non-Linear Ropeway

> Ropeway System for Urban Commutation

CURVO - World's First Non-Linear Ropeway

Actual picture of CURVO Non-Linear Ropeway System installed at our Bhasa factory in Kolkata.
The full fledged Prototype System is running smoothly for the last 10 years.

Ropeway System For Urban Commutation

CURVO – World's First **Non-Linear Ropeway**

CURVO Ropeway System is a path breaking invention where overhead Ropeway, can be made to follow a non-linear route along urban roads which will revolutionise Aerial Ropeway, increasing its role and scope in Urban Transportation as an alternative mode of Commutation.

On 6th September 2014,Janab Firham Hakim,MIC, Urban Development & Municipal Affairs,West Bengal, launched and inaugurated the technology and the Prototype at Bhasa, Kolkata.

> Ropeway System for Urban Commutation

CURVO

FEATURES:

System: Monocable Gondola System with Vertical Detachable Grips.

Carriers: Cabins of 10 seater capacity with automatic door opening and closing, will travel at 20 seconds interval.

Speed: 16 kms/hr. Average speed 12.5 Km/hr

Transport Potential: Capacity 2000/2500 passengers per hour (PPH) each direction and 4000 /4500 (PPH) both direction.

Power: For 5.0 km, estimated power needed is 250 KW. For 200 Km city network, it will amount to 10 MW.

Artist's impression of:

1. Curvo system in place on 5th Avenue, New York
2. Negotiating a turn on a London Street.

Innovative. Economic. Green.

CURVO - The Most Innovative Concept For Aerial Urban Transportation

- **CURVO is a non-linear and unique innovation in urban commutation which is here to address the need for a solution that saves commuters from living the daily nightmare of commutation**
- **CRSPL being in the field of aerial transportation for decades and it's founder (Mr. Shekhar Chakravarty) through his vast experience of over 55 yrs, in the field of aerial ropeways in India and abroad felt the need to introduce the ropeway for transportation in urban areas with compatibility to the existing infrastructure**
- **CURVO is adaptable and amenable to bends being able to follow existing road routes, travelling overhead without consuming or interfering with road space below and the vehicular traffic**
- **The CURVO Ropeway can be operated over congested serpentine metro roads**
- **It has enormous potential for congested cities as a safe, convenient, environment friendly, comfortable, accident free, economic mode of transport**

CURVO - The Most Innovative Concept For Aerial Urban Transportation

- It is pollution free , both in terms of emission and noise
- It runs on electricity and does not use organic fuel thereby permitting the government to cut down on fuel subsidy expenditure.
- It is also accident proof having automated Drive System, instead of multiple human controls behind the wheels as is the case with vehicular transportation system in vogue
- The operation of the system would be centrally controlled from the Drive Station Control room with CCTV facility, which will monitor cabin movements
- The non-linear feature of Detachable Grip Ropeway has been Patented worldwide by Mr Shekhar Chakravarty, Managing Director of CRS, the inventor of the technology.

CURVO - The Most Innovative Concept For Aerial Urban Transportation

Features

- It will run on existing arterial & other roads on steel portal frames spaced at 90-100 meters supporting the ropes
- It will need nominal ground space for stations and rope supporting portal frames
- The CURVO will, on any designated route, provide boarding / deboarding facility at every 750 metres
- In the CURVO Ropeway system once a cabin reaches a station, the doors open automatically & facilitate boarding / deboarding at very low speed
- A study on Kolkata city revealed possible overhead CURVO capacity of more than 200,000 commuters per hour

Welcome To The New Age In Urban Commutation

Carriers

Cabins at 22/ 25 seconds interval having 8 / 10 seater capacity with vertical Detachable Grips will travel endlessly.

Speed

Average 12.6 Km/hr

Transport Potential

Capacity of 2000 – 2500 passenger per hour (PPH) each direction for single and

4000 – 4500 (PPH) in each direction for double track

Power

For 5.0 km, estimated power needed is 175 KW. For 250 Km city network, it will amount to 10 MW

Vehicular power for equivalent capacity will be 500 MW

CURVO: Objectives

- **Generate a 2nd tier alternative aerial transportation system along the existing road route.**
- **Provide to thousands of pedestrians a transportation facility, which will have substantial positive features vis-à-vis auto vehicular system, particularly, safe, fast and pollution free transportation system**
- **Introduce a new technology, for the first time in the world, a NON-LINEAR Aerial Ropeway System, capable of travelling overhead along the non-linear road routes**
- **Being electrically driven, and thus being fully pollution free, it will eliminate any possibility of additional generation of toxic emission from Diesel Drives of buses and other vehicles**
- **Minimize the occurrence of road accidents, it having a fully automated drive system instead of multiple human control behind wheels.**

As the R&D of CURVO started in Kolkata, the successful implementation of CURVO in a busy thoroughfare like on Sealdah to BBD bag route would, no doubt, be a feather in the cap for the city

CURVO Press Release

Ropeway answer to transport ills in Kolkata?

Jayanta.Gupta@timesgroup.com

Kolkata: An engineer, who claims to have developed and patented a non-linear ropeway system for urban transportation, plans to highlight its effectiveness in a congested city like Kolkata on Friday. Conveyor and Ropeway Services Pvt Ltd, of which Shekhar Chakravarty is the managing director, has already built a prototype that runs along two angular deviations for about 250 metres beyond Bhasa in Joka. Chakravarty says that a 250-km network in the city is possible.

"Ropeways have a monopoly in cities in Europe and elsewhere that have winter sports. But there is no reason why they cannot be adopted in a city like Kolkata. We have named this 'Curvo', the world's first non-linear ropeway for a second-tier alternative urban transport system. The first-tier is vehicular transport on the road, which is plagued by several ills such as pollution, accidents and the subsidies that the government has to pay. The best part of Curvo is that there are no hassles involved in construction. No major construction is involved and the towers can be erected during the night without any disruption to normal traffic. A 4-5 km stretch can be constructed in 12-15 months," Chakravarty said.

Curvo has the potential to carry 2,000-2,500 passengers per hour in a single line system and 4,000-4,500 passengers per hour in a double line. The average travel speed is 12.6 km per hour, which is much higher than that of the average vehicular speed of 7 km per hour in Kolkata. Chakravarty has estimated that if a 250-km network is created over Kolkata, the maximum power consumption is 8-9 MW. In comparison, city vehicles require an equivalent of over 500 MW to cover the same distance with the same load of commuters.

Curvo can travel at a speed of 12.6 km per hour by consuming 8-9 MW power

"I have been developing the system for seven years now after spending nearly 50 years in the ropeway field. I have given presentations in Thailand and been invited to Jamshedpur. The speciality of this system is that it can move in a non-linear direction. This means that it can tackle curves. If it is constructed at Park Street, it can turn into Loudon Street and AJC Bose Road. The cars will be a distance of 50-metres from each other and arrive at the boarding stations at 22-25 second intervals. Every car will have a capacity of 8-10 people. The elevated stations will be situated every 750 metre," Chakravarty added.

He is first eyeing the 2-km long stretch between Sealdah and Lalbazar. The cost of construction will be about Rs 15 crore per km. The stretch can be completed at a cost of Rs 45 crore, which will be much cheaper than a Metro or a flyover. Most importantly, the system will be less polluting. There will be parking bays where the cars can move out when the load is less. The cars will be controlled centrally and this will eliminate the possibility of accidents, Chakravarty said.

Publication- The Times of Indian
Edition- Kolkata
Page No.- 02
Date- 18.07.2014

কলকাতায় বিকল্প পরিবহণ ব্যবস্থা চালু করতে এক নতুন ধরনের রোপওয়ে তৈরি করল কনভেয়র অ্যান্ড রোপওয়ে সার্ভিস। নাম 'কারভো'। শনিবার জোকায় সংস্থার কর্মশালায় সূচনায় পুর ও নগরোন্নয়নমন্ত্রী ফিরহাদ হাকিম। সংস্থার তরফে শিয়ালদা থেকে এসপ্ল্যানেড পর্যন্ত রোপওয়ে পরিষেবা চালু করার প্রস্তাব দেওয়া হয় রাজ্য সরকারকে। নতুন তৈরি রোপওয়ের সামনে পুরমন্ত্রীর সঙ্গে নির্মাণ সংস্থার ম্যানেজিং ডিরেক্টর শেখর চক্রবর্তী ও ডিরেক্টর রচনা মুখার্জি। শেখরবাবু বলেন, এই রোপওয়ে আঁকাবাঁকা পথেও চলতে পারে। প্রতিটি কামরায় ৮-১০ জন বসতে পারবেন। গতি ঘণ্টায় সাড়ে ১২ কিলোমিটার। প্রতি কিলোমিটার রোপওয়ে গড়তে খরচ ১৮ কোটি টাকা। ছবি: অভিজিৎ মণ্ডল

Publication- Aajkaal
Edition- Kolkata
Page No.- 02
Date- 07.09.2014

City to get first Curvo

ALTHEA PHILLIPS

Imagine travelling to school, college or office everyday on a ropeway like the one in Darjeeling. Nothing short of a joy ride as one would avoid traffic jams and also get an aerial view of the city while travelling to his/her destination. Well, it may soon be a dream come true.

Kolkata may get the world's first non-linear ropeway as an alternative urban transport in the near future. Christened Curvo, this is a path-breaking invention for the first time in the history of aerial ropeway. "Curvo is adaptable and amenable to bends, being able to follow existing city road routes, travelling overheard without consuming or interfering with road space below and the vehicular traffic that is below it. It is safe, fast, pollution free, running on electricity and does not use organic fuel. This will help the government to cut down on fuel import and subsidy expenditure," said Shekhar Chakravarty, managing director, Conveyor & Ropeway Services Pvt Ltd and the inventor of the technology.

He plans to initially start Curvo on the Sealdah-BBD bag route covering a distance of 15 kms with the terminal station opposite the GPO. "We had an initial discussion with the state government and the response was very encouraging. We would be having further rounds of discussions with the officials in the days to come," he said adding that the government has suggested extending the ropeway to Salt Lake.

Publication- The Times of Indian
Edition- Kolkata
Page No.- 08
Date- 31.07.2014

Case Studies :

Passenger Ropeways

CLIENT : BIHAR STATE TOURISM DEVELOPMENT CORPN.LTD.

COMMISSIONED ON : MARCH, 2020.

RAJGIR PASSENGER ROPEWAY, RAJGIR, BIHAR

SYSTEM : MONOCABLE CONTINUOUSLY CIRCULATING GONDOLA

CAPACITY :800 PPH **LENGTH : 525 MTRs.** **LEVEL DIFFERENCE : 180.5 MTRs.**

NUMBER OF CABINS : 20 **CABIN CAPACITY : 8 PASSENGERS.**

VEER HANUMANJI ROPEWAY

CHOMU, RAJASTHAN

COMMISSIONED ON : **24.05.2019**

BUILT, OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.

IN COLLABORATION WITH M/s SHRI SITA RAMJI VEER HANUMANJI TRUST, NAGALBHARDA, RAJASTHAN

SYSTEM : MONOCABLE JIG BACK

CAPACITY : 500 PPH **LENGTH : 365 MTRs.** **LEVEL DIFFERENCE : 115MTRs.**
NUMBER OF CABINS : 6 **CABIN CAPACITY : 9 PASENGER**

TSOMGO PASSENGER ROPEWAY

TSOMGO LAKE,GANGTOK ,SIKKIM

COMMISSIONED ON :1st July 2017

BUILT, OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD. IN COLLABORATION WITH M/s DEPARTMENT OF TOURISM, GOVT. OF SIKKIM

SYSTEM : MONOCABLE CONTINUOUS ROTATING GONDOLA

CAPACITY : 800 PPH **LENGTH : 664 MTRs.** **LEVEL DIFFERENCE : 250 MTRs.**

NUMBER OF CABINS : 12 **CABIN CAPACITY : 6 PASSENGER**

CLIENT: ADLABS LIMITED

COMMISSIONED ON :JANUARY 2015

ADLABS IMAGICA, KHOPOLI, MAHARASTRA

SYSTEM : MONOCABLE JIG BACK

CAPACITY :500 PPH **LENGTH : 218 MTRs.** **LEVEL DIFFERENCE : 30 MTRs.**

NUMBER OF CABINS : 2 **CABIN CAPACITY : 10 PASSENGER**

CLIENT: DEPARTMENT OF FOREST, GOVTERNMENT OF BANGLADESH

COMMISSIONED ON :04.12.2014

CABLE CAR AT SHEIKH RASEL ECO PARK AT RANGUNIA,CHITTAGONG,BANGLADESH

SYSTEM : MONOCABLE CONTINUOUSLY CIRCULATING GONDOLA

CAPACITY : 400 PPH **LENGTH : 1190 MTRs.** **LEVEL DIFFERENCE : 60 MTRs.**

NUMBER OF CABINS :12 **CABIN CAPACITY : 6 PASSENGER**

MAA VIJYASAN DEVIJI ROPEWAY

SALKANPUR, SIHORE, MADHYA PRADESH

COMMISSIONED ON : 24.12.09

BUILT, OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.
IN COLLABORATION WITH M/s DEVIJI MANDIR SAMITY

SYSTEM : MONOCABLE MULTI CABIN ZIG BACK

CAPACITY : 200 PPH
NUMBER OF CABINS : 4
LENGTH : 790 MTRs.
CABIN CAPACITY : 6 PASSENGER
LEVEL DIFFERENCE : 236MTRs.

CLIENT: OMKALESHWAR TRADELINK PVT. LTD.

COMMISSIONED ON: 26.08.2008

MANSAPURNA ROPEWAY, UDAIPUR, RAJASTHAN

SYSTEM: MONOCALE MULTI CABIN JIG BACK

CAPACITY: 200 PPH **LENGTH: 362 MTRs.** **LEVEL DIFFERENCE: 84 MTRs.**

NUMBER OF CABINS: 4 **CABIN CAPACITY: 6 PASSENGER**

NARMADA ROPEWAY

BHERAGHAT, JABALPUR, MADHYA PRADESH

COMMISSIONED ON : 12.06.2007

BUILT ,OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.
IN COLLABORATION WITH M/s PWD JABALPUR

SYSTEM : MONOCABLE CONTINUOUS ROTATING GONDOLA

CAPACITY : 800 PPH **LENGTH : 535 MTRs.** **LEVEL DIFFERENCE : 3 MTRs.**

NUMBER OF CABINS : 10 **CABIN CAPACITY : 6 PASSENGER**

CLIENT: NEENA CONTRACTORS & BUILDERS PVT. LTD.

COMMISSIONED ON: 2005

KEMPTY FALLS ROPEWAY, MUSSORIE, UTTARANCHAL

SYSTEM:MONOCABLE MULTI CABIN JIG BACK

CAPACITY:400 PPH **LENGTH:125 MTRs.** **LEVEL DIFFERENCE:74 MTRs.**

NUMBER OF CABINS:6 **CABIN CAPACITY:6 PASSENGER**

KAILASHGIRI ROPEWAY

VISAKHAPATNAM, ANDHRA PRADESH

COMMISSIONED ON : 04.05.2004

BUILT, OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.
IN COLLABORATION WITH M/s VISAKHAPATNAM URBAN DEVELOPMENT AUTHORITY

SYSTEM : MONOCABLE CONTINUOUS ROTATING GONDOLA

CAPACITY : 800 PPH **LENGTH : 304 MTRs.** **LEVEL DIFFERENCE : 124 MTRs.**

NUMBER OF CABINS : 11 **CABIN CAPACITY : 6 PASSENGER**

BHOPAL ROPEWAY

COMMISSIONED ON : **04.06.2001**

BHOPAL, MADHYA PRADESH

BUILT ,OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.

IN COLLABORATION WITH M/s BHOPAL MUNICIPAL CORPORATION

SYSTEM : MONOCABLE JIG BACK

CAPACITY : 200 PPH **LENGTH : 360 MTRs.** **LEVEL DIFFERENCE : 96 MTRs.**

NUMBER OF CABINS : 2 **CABIN CAPACITY : 9 PASENGER**

CLIENT: TALA HYDRO POWER AUTHORITY

COMMISSIONED ON: 2001

THPA PASSENGER ROPEWAY, TALA, BHUTAN

SYSTEM : MONOCABLE JIG BACK

CAPACITY : 240 PPH **LENGTH : 1606 MTRs.** **LEVEL DIFFERENCE : 1100 MTRs.**

NUMBER OF CABINS : 2 **CABIN CAPACITY : 6 PASSENGER**

SANHATI PARK ROPEWAY

ASHOKNAGAR, 24 PARGANAS (N), WEST BENGAL

COMMISSIONED ON : 28.12.1999

BUILT, OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.
IN COLLABORATION WITH M/s ASHOKNAGAR KALYANGARH MUNICIPALITY

SYSTEM : MONOCABLE JIG BACK

CAPACITY : 150 PPH **LENGTH : 135 MTRs.** **LEVEL DIFFERENCE : NIL (ACROSS A POND)**

NUMBER OF CABINS : 2 **CABIN CAPACITY : 6 PASSENGER**

DARJEELING RANJEET VALLEY ROPEWAY

DARJEELING, WEST BENGAL

COMMISSIONED ON : 21.03.1998

BUILT ,OWNED AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD.
IN COLLABORATION WITH M/s WEST BENGAL FOREST DEVELOPMENT CORPORATION

SYSTEM : MONOCABLE CONTINUOUS ROTATING GONDOLA

CAPACITY : 400 PPH **LENGTH : 2300 MTRs.** **LEVEL DIFFERENCE : 530 MTRs.**
NUMBER OF CABINS : 15 **CABIN CAPACITY : 6 PASSENGER**

CLIENT: SAHARA INDIA

COMMISSIONED ON : 09.10.1995

AAMBY VALLEY PASSENGER ROPEWAY, LONAVLA, MAHARASTRA

SYSTEM : MONOCABLE JIG BACK

CAPACITY : 100 PPH **LENGTH : 140 MTRs.** **LEVEL DIFFERENCE : 45 MTRs.**
NUMBER OF CABINS : 2 **CABIN CAPACITY : 6 PASSENGER**

MAA BAMLESWARI PASSENGER ROPEWAY

DONGARGARH, CHATTISGARH

COMMISSIONED ON : 13.03.2020

BUILT OWN AND OPERATED BY M/s CONVEYOR & ROEPWAY SERVICES PVT. LTD. IN COLLABORATION WITH M/s NAGAR PALIKA PARISHAD, DONGARGARH TILL JANUARY 2006

SYSTEM : DETACHABLE GRIP TYPE MONOCABLE CONTINOUSLY CIRCULATING GONDOLA

CAPACITY : 500 PPH **LENGTH : 650 MTRs.** **LEVEL DIFFERENCE : 183 MTRs.**

NUMBER OF CABINS : 14 NOS **CABIN CAPACITY : 6 PASSENGER**

Passenger Ropeway installations Built, Owned & Operated (BOOT Basis) by CRSPL

- DRV Ropeway, Darjeeling, W.B.
- Bhopal Ropeway, Bhopal, M.P.
- Kailashgiri Ropeway, Visakhapatnam, A.P.
- Sanhati Park Ropeway, Ashoknagar, W.B.
- Narmada Ropeway, Bheraghat, M.P.
- Salkanpur Ropeway, Salkanpur, M.P.
- Tsomgo Ropeway, Gangtok, Sikkim.
- Veer Hanumanji Ropeway, Chomu, Jaipur, Rajasthan

Under Execution

- Giddapahar Ropeway, Kurseong, W.B.
- Bandipur Passenger Ropeway, Bandipur, NEPAL.
- Siddhartha Cable Car, Butwal, NEPAL.
- Brahmyoni Hill Ropeway, Gaya, BIHAR.
- Dungeswari Hill Ropeway (Section – I & II), Gaya, BIHAR.
- Manyam Konda Temple Ropeway, Telengana
- Biswanath ghat , Assam

Giddapahar Passenger Ropeway

Kurseong, West Bengal

Bandipur Cable Car
Nepal

Siddhartha Cable Car

Butwal, Nepal

Case Studies:

Material Ropeways

Conventional Grip Monocable Ropeway System

Features :
- Simple operation
- Less expensive
- For normal even terrain

Advantages
- Simple System
- Low operation and maintenance cost
- Low investment
- Capacity can be easily augmented to the Design limit with the increase in demand.

Capacity
Material Ropeway : Maximum 350 TPH for short distance.

Detachable Grip Type Monocable Ropeway System

About System

This is the most popular System for Material Ropeway can adapt length and terrain condition.

System description

In this system a single endless continuous moving rope supported on intermediate tower rollers carry the bucket , spaced at equal intervals. The in coming bucket to the terminal stations and disengages from the rope and moves on the shut rail.

Capacity

Maximum 350 TPH for short distance.

Advantages

- High transport capacity
- Adjusting speed and number of buckets as per demand
- Low ground clearance not required. Hence less number of towers and tower mechanicals.
- Moderately high speed is possible.

Detachable Grip Bicable Ropeway System

About System

This is the most popular System for Material Ropeway can adapt all most all length and terrain condition.

System description

In this system a single endless continuous moving haulage rope are attached to the gondola cabins, spaced at equal intervals and the cabins are supported on a track rope. The in coming cabin to the terminal stations and disengages from the rope and moves on the shut rail.

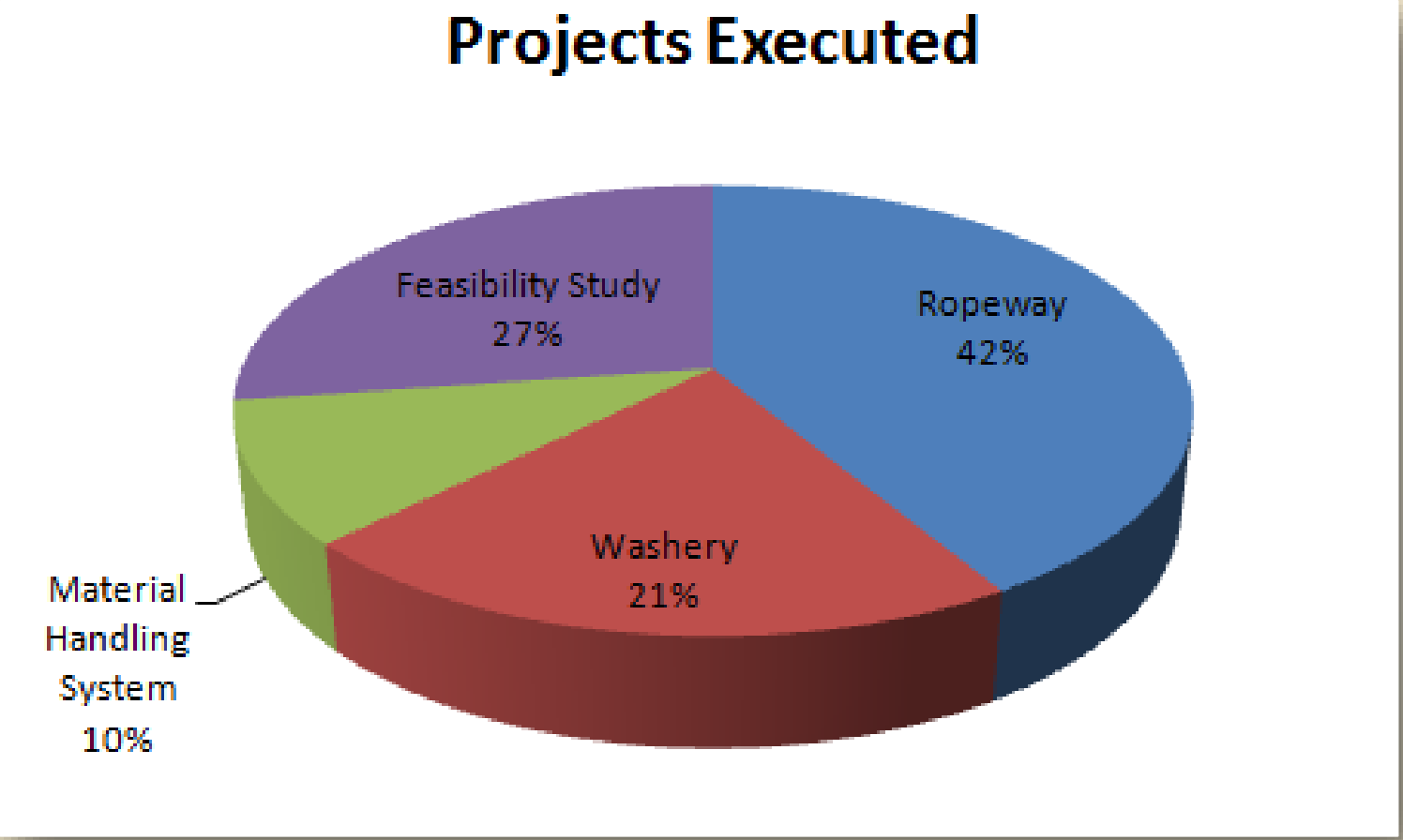
Capacity

Material Ropeway : Maximum 750 TPH for short distance.

Advantages

- Simple System.
- Low operation and maintenance cost.
- Low ground clearance not required.

Analytical View of Projects Executed



Projects Executed

List of work executed (Aerial Ropeways on BOOT Basis)

SL.NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
1.	Design, supply, erection and commissioning of a 150 PPH capacity, 700M long Passenger Ropeway at Dongargarh. Partially self-financed. Taken over control of Operation & Maintenance from October, 1996. 8-Passenger cabin installation. (Operated the Ropeway plant on BOOT Basis till January 2006)	Dongargarh Nagarpalika Parishad, (Lessor)	1994
2.	Revamping of an existing 100 PPD capacity Passenger Ropeway and converting it into 2000 PPD capacity, 2.3 KM long, Detachable Grip type, Six-Seater, multi-cabin Gondola, taking full Operation & Maintenance control. A Joint Venture with West Bengal Forest Development Corporation Limited on Built-Own-Operate (BOO) basis.	WBFDC, Government of West Bengal (Lessor)	1998
3.	Design and installation of a 100 PPH capacity, 140 M long, Passenger Ropeway at Sanhati Park, Ashoknagar-Kalyangarh Municipality, District North 24 Parganas, West Bengal, on BOO basis.	Ashoknagar Kalyangarh Municipality, (Lessor)	1999
4.	Design, supply, erection, commissioning, operation and maintenance of a 200 PPH capacity, 430 M long Passenger Ropeway on “Build-Own-Operate-Transfer” (BOOT) basis, at Manuabhan Hill, Bhopal.	Municipal Corporation, Bhopal (Lessor)	2001
5.	Design and installation of a 800 PPH capacity, 350M long Passenger Ropeway at Kailash Giri, Visakhapatnam, A.P., on BOOT basis	A.P.Tourism (Lessor)	2004
6.	Design, supply, erection, commissioning, operation and maintenance of a 400 PPH capacity, 600 M long Passenger Ropeway on BOOT basis, at Bheraghat, Marble Rocks, Jabalpur, M.P.	PWD Govt. of M.P.	2007
7.	Design, supply, erection, commissioning, operation and maintenance of a 100 PPH capacity, 777 M long Passenger Ropeway on “Build-Own-Operate-Transfer” (BOOT) basis, at Salkanpur Temple, M.P.	Devi Mandir Samiti (Lessor)	2009
8.	Design, supply, erection, commissioning, operation and maintenance of a 800 PPH capacity, 800 M long, Passenger Ropeway on “Build-Own-Operate-Transfer” (BOOT) basis, at Tsongo Lake, East Sikkim.	Sikkim Tourism	2017

Aerial Ropeway

SL.NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
1.	Design, supervision, erection and commissioning of a 75 Tone per hour (TPH) capacity , 5.0 km Monocable Ropeway with Feeder Conveyor at East Nimcha Colliery. Built as a technical counterpart of erstwhile Indian Ropeway Engineering company, Dhanbad.	East Nimcha coal co.	1971
2.	Installation of a 200 TPH, 1.2 km long automatic Bicable Ropeway with weighment facilities for transpiration of ROM Coal at Sillewara CoalMines with Tripper Conveyor, Truck Loading Bunker, Chute etc. on Trunkey Basic, Built as a technical counterpart of erstwhile Indian Ropeway Engineering Company, Dhanbad	Maharashtra State Electricity Board (MSEB)	1973
3.	Design, Engineering and supervision of a 550 TPH capacity,10 km long gully automatic Bicable Ropeway for loading, transportation and discharge of seven grades of limestone and sand installed at kalindi project. The ropeway was the then heaviest in the world. The ropeway, however, having completed its purpose, since been dismantled.	Damodar Ropeways & constructions co. (DRCC)	1977
4.	Design and engineering supervision of a 450 TPH capacity, 13.5 km long fully automatic Bicable Ropeways including storage & handling system for transpiration of coal between Kamptee Colliery and Koradi thermal power station for MSEB.	(DRCC)	1981
5.	Design and engineering supervision of 150 TPH capacity, 5.5 km long Monocable Ropeway for storage, loading, transportation and selective discharge of crushed limestone at Macherla Cement Factory of KCP Ltd	(DRCC)	1982
6.	Design, supply and erection of a Cableway for gauging the river flow across river Sondur in Madhya Pradesh (now in Chhatisgarh).	PWD (Irrigation) MP	1982
7.	Design, engineering and supply of proprietary items and necessary Supervision of 200 TPH capacity, 6.3 km long Monocable Ropeway with Storage and Handling Systems for carrying crushed limestone from quarry to Cement Plant site for Malabar Cements Ltd.	(DRCC)	1984

Aerial Ropeway

SL NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
8.	Design, engineering and supply of proprietary items of 100 TPH capacity, 4.0 km long Monocable Ropeway with Storage, Handling and Discahrge Systems for transportation of coal from Patansaongi to Pipla Colliery for MSEB.	DRCC	1984
9.	Design, engineering and supervision of a 150 TPH capacity, 10 km long Monocable Ropeway with Storage Belt Conveyor System negotiating a very hilly terrain in Nepal for transportation of Magnesite.	DRCC	1987
10.	Design and supply of Working Drawing of a prestigious project involving a Revolving Restaurant, a Hotel and a Passenger Ropeway on top of a Mountain in Alaska, USA.	Alaska Trams, Juneau, Alaska	1987
11.	Design and development of a Bicable Ropeway Carriage originally supplied by a Czechoslovakian Firm to improve performance and supply of the same.	Renusagar Power Co. Ltd. (RPCL)	1988
12.	Installation of a 300 TPH capacity, 7.8 km long, Detachable Grip type Monocable Ropeway including 2000 T. Storage System for transportation of coal.	RPCL	1989
13.	Design and supply of essential equipments and revamping of an existing Tramcar type Ropeway.	Bharat Coking Coal Ltd	1989
14.	Design, supply, erection and commissioning of a 150 PPH capacity, 700M long Passenger Ropeway at Dongargarh. Partially self-financed. Taken over control of Operation & Maintenance from October, 1996. 8-Passenger cabin installation.	Dongargarh Nagarpalika Parishad, (Lessor)	1994

Aerial Ropeway

SL NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
15.	Design and installation of a Passenger Ropeway at Lake City, Lonavla on Turnkey Basis. 6-Passenger cabin installation.	Sahara India Housing Corpn. Ltd.	1995
16.	Design, supply of critical items, supervision and commissioning of a 300 TPH capacity, 3.2 KM long, Monocable Ropeway including associated Material Handling Plant at Damoh, M.P..	Diamond Cements	1996
17.	Automation / mechanization of an existing Ropeway System to reduce manpower.	Indian Aluminum Co (INDALCO)	1996
18.	Design and implementation of a Revamping Work comprising of conversion of an Angle Station into Return Terminal Station with fresh Chain Haulage & Line Tripping Device on a Bicable Ropeway at J.K.Ropeways.	Eastern Coalfields Ltd. (ECL)	1997
19.	Revamping of a Monocable Ropeway by truncating the system, conversion of stations, dismantling and re-installation of equipment at new location.	ECL	1998
20.	Revamping of an existing 100 PPD capacity Passenger Ropeway and converting it into 2000 PPD capacity, 2.3 KM long, Detachable Grip type, Six-Seater, multi-cabin Gondola, taking full Operation & Maintenance control. A Joint Venture with West Bengal Forest Development Corporation Limited on Built-Own-Operate (BOO) basis.	WBFDC, Government of West Bengal (Lessor)	1998
21.	Design and installation of a 100 PPH capacity, 140 M long, Passenger Ropeway at Sanhati Park, Ashoknagar-Kalyangarh Municipality, District North 24 Parganas, West Bengal, on BOO basis.	Ashoknagar Kalyangarh Municipality, (Lessor)	1999

Aerial Ropeway

SL.NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
22.	Design, engineering, supply and installation of a system for Mechanization of Ropeway Unloading Station at Lohardaga, Jharkhand.	INDALCO	1999
23.	Design and installation of a 1.6 KM long Jigback Ropeway for Transportation of Passenger and Material also to negotiate a steep hilly terrain, the steepest ever negotiated by a Ropeway, in India. The drop between the Upper and Lower Terminal over 1600 M is 1100 M.	Tala Hydroelectric Project Authority, Bhutan.	2001
24.	Design, supply, erection, commissioning, operation and maintenance of a 200 PPH capacity, 430 M long Passenger Ropeway on "Build-Own-Operate-Transfer" (BOOT) basis, at Manuabhan Hill, Bhopal.	Municipal Corporation, Bhopal (Lessor)	2001
25.	Design, supply, erection, commissioning, operation and maintenance of a 100 PPH capacity, 700 M long Passenger Ropeway on BOO basis, at Palampur, Himachal Pradesh.	Tourism & Civil Aviation, Govt. of H.P. (Lessor)	Under Execution
26.	Design and installation of a 800 PPH capacity, 350M long Passenger Ropeway at Kailash Giri, Visakhapatnam, A.P., on BOOT basis.	A.P.Tourism (Lessor)	2004
27.	Design and installation of a 400 PPH capacity, 127.5 M long Passenger Ropeway at Kempty Falls, Mussoorie, Uttaranchal	Neena Contractors & Builders Pvt Ltd	2005
28.	Design, supply, erection, commissioning, operation and maintenance of a 400 PPH capacity, 600 M long Passenger Ropeway on BOOT basis, at Bheraghat, Marble Rocks, Jabalpur, M.P.	PWD Govt. of M.P.	2007

Aerial Ropeway

SL NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
29.	Capacity Upgradation of a Material Ropeway from 230 TPH to 650 TPH at Gharibwal Cement Plant, Pakistan	Breco Ropeways Ltd.	2008
30.	Design, supply, erection, commissioning, operation and maintenance of a 100 PPH capacity, 777M long Passenger Ropeway on "Built –Own – Operate-Transfer" (BOOT) basis, at Salkanpur Temple, M.P.	Devi Mandir Samiti (Lessor)	2009
31.	Design, supply, erection and commissioning of a 200 PPH capacity, 387 M long Passenger Ropeway at Karni Mata Mandir, Udaipur, Rajasthan	Omkareshwar Trade Links	2008
32.	Conversion of existing Monocable Ropeway to 350 TPH Bi-cable Ropeway, Modification and Upgradation of existing Bi-cable Ropeway to 350 TPH and related Conveyors to carry 700 TPH Coal from discharge hopper to Belt Pipe Conveyor to ARW Unloading station at Renusagar Power Division	Hindalco Industries Ltd., (Renusagar Power Division) U.P.	2014
33.	Design, Manufacturing, supply, erection Installation commissioning & Operation of a 400 PPH capacity (In built), 1190 M long Passenger Ropeway at Rangunia, Chittagong, Bangladesh.	Divisional Forest Officer, Chittagong, Bangladesh.	2014
34.	Design, Manufacturing, supply, erection and commissioning of a 500 PPH capacity, 218 M long Passenger Ropeway at Imagica Park, Khalapur, Raigad, Maharashtra	Adlabs Entertainment Limited, Mumbai	2014
35.	Capacity augmentation of Ropeway from 41.64 TPH to 150 TPH, Material Feed and Reclaim arrangement for existing Ropeway at Lohardaga.	Hindalco Industries Ltd., Mines Division, Lohardaga.	2016
36.	Design, supply, erection and commissioning operation and maintenance of a 800 PPH capacity, Passenger Ropeway on Built-Own-Operate-Transfer (BOOT) basis, at Tsomgo Lake, East Sikkim	Sikkim Tourism	2017

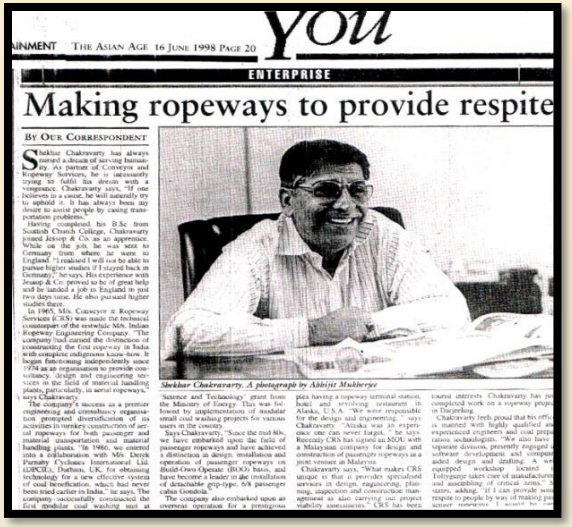
Aerial Ropeway

SL NO.	JOB DESCRIPTION	CUSTOMER	COMPLETION
37.	Design, Manufacturing, supply, erection & commissioning of a 800 PPH capacity, 570 M. long, Passenger Ropeway for Biswa Shanti Stup at Rajgir, Bihar. Operation & Maintenance of the Ropeway also entrusted under separate contract.	Bihar State Tourism Develop. Corporn. Patna, Bihar.	2020
38.	Design, Manufacturing, supply, erection Installation commissioning & Operation of a 500 PPH capacity, 2300 M. long Passenger Ropeway at Giddapahar Hill, Giddapahar, Kurseong, West Bengal.	Gorkha Territorial Administration. Darjeeling, W.B.	Under Execution
39.	Design, Manufacturing, supply, erection & commissioning of a 500 PPH capacity, 1600 M. long Passenger Ropeway at Bandipur, Nepal..	Bandipur Cable Car Pvt. Ltd. Bandipur, Nepal.	Under Execution
40.	Design, Manufacturing, supply, erection & commissioning of a 500 PPH capacity, 2000 M. long Passenger Ropeway at Butwal, Nepal..	Siddhartha Cable Car Pvt. Ltd. Butwal, Nepal.	Under Execution
41.	Design, Manufacturing, supply, erection Installation commissioning & Operation of a 500 PPH capacity, 665 M. long Passenger Ropeway for Maa Bamleswari Devi Temple at Dongargarh, Chhattisgarh.	Shri Bamleswari Mandir Trust Samity. Dongargarh, Chhattisgarh.	Under Execution
42.	Design, Manufacturing, supply, erection & commissioning of a 200 PPH capacity, 301 M. long, Passenger Ropeway for Brahmyoni Hill at Gaya, Bihar.	Bihar State Tourism Develop. Corporn. Patna, Bihar.	Under Execution
43.	Design, Manufacturing, supply, erection & commissioning of a 200 PPH capacity, 308 M. long, Passenger Ropeway for Dungeswari Hill at Gaya, Bihar. (Section – I)	Bihar State Tourism Develop. Corporn. Patna, Bihar.	Under Execution
44.	Design, Manufacturing, supply, erection & commissioning of a 150 PPH capacity, 158 M. long, Passenger Ropeway for Dungeswari Hill at Gaya, Bihar. (Section – II)	Bihar State Tourism Develop. Corporn. Patna, Bihar.	Under Execution

Press Releases

Despite Tough Times, It Seems Like Business As Usual For Cos

Conveyors & Ropeways buys 90% in Breco



INMENT THE ASIAN AGE 16 JUNE 1998 PAGE 20

YOU

ENTERPRISE

Making ropeways to provide respite

BY OUR CORRESPONDENT

Shekhar Chakravarty has always nursed a dream of serving humanity. As partner of Conveyor and Ropeway Services, he is incessantly trying to fulfil his dream with a vengeance. Chakravarty says, "If one believes in a cause, he will naturally try to uphold it. It has always been my desire to assist people by easing transportation problems."

Having completed his B.Sc from Scottish Church College, Chakravarty joined Jessop & Co. as an apprentice. While on the job, he was sent to Germany from where he went to England. "I realised I will not be able to pursue higher studies if I stayed back in Germany," he says. His experience with Jessop & Co. proved to be of great help and he landed a job in England in just two days time. He also pursued higher studies there.

In 1965, Mrs. Conveyor & Ropeway Services (CRS) was made the technical counterpart of the erstwhile Mrs. Indian Ropeway Engineering Company. "The company had earned the distinction of constructing the first ropeway in India with complete indigenous know-how. It began functioning independently since 1974 as an organisation to provide consultancy, design and engineering services in the field of material handling plants, particularly, in aerial ropeways," says Chakravarty.

The company's success as a premier engineering and consultancy organisation prompted diversification of its activities in turnkey construction of aerial ropeways for both passenger and material transportation and material handling plants. "In 1986, we entered into a collaboration with Mrs. Derek Parnaby Cyclones International Ltd. (DPCIL), Durham, UK, for obtaining technology for a new effective system of coal beneficiation, which had never been tried earlier in India," he says. The company successfully constructed the first modular coal washing unit at

Shekhar Chakravarty. A photograph by Abhijit Mukherjee

'Science and Technology' grant from the Ministry of Energy. This was followed by implementation of modular small coal washing projects for various users in the country.

Says Chakravarty, "Since the mid 80s, we have embarked upon the field of passenger ropeways and have achieved a distinction in design, installation and operation of passenger ropeways on Build-Own-Operate (BOO) basis, and have become a leader in the installation of detachable grip-type, 6/8 passenger cabin Gondola."

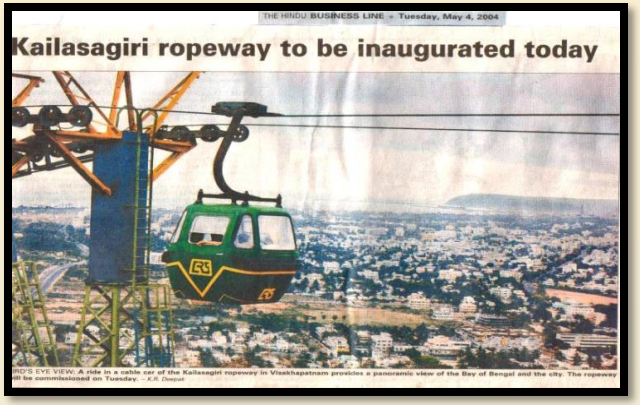
The company also embarked upon an overseas operation for a prestigious

plea having a ropeway terminal station, hotel and revolving restaurant in Alaska, U.S.A. "We were responsible for the design and engineering," says Chakravarty. "Alaska was an experience one can never forget," he says. Recently CRS has signed an MOU with a Malaysian company for design and construction of passenger ropeways in a joint venture in Malaysia.

Chakravarty says, "What makes CRS unique is that it provides specialised services in design, engineering, planning, inspection and construction management as also carrying out project viability assessments." CRS has been

tourist interests. Chakravarty has ju completed work on a ropeway proje in Darjeeling.

Chakravarty feels proud that his offic is manned with highly qualified an experienced engineers and coal prep ration technologists. "We also have separate division, presently engaged i software development and compute aided design and drafting. A we equipped workshop located Tollygunge takes care of manufacturin and assembling of critical items," h states, adding, "If I can provide som respite to people by way of making pa senger ropeways, I would be



THE HINDU BUSINESS LINE • Tuesday, May 4, 2004

Kailasagiri ropeway to be inaugurated today

RD'S EYE VIEW: A ride in a cable car of the Kailasagiri ropeway in Visakhapatnam provides a panoramic view of the Bay of Bengal and the city. The ropeway ill be commissioned on Tuesday. – K.R. Deepak

Tightrope to the world

संगमरमरी वादियों के बीच रोमांच

वाह! ये कहां आ गए हम

इनका कहना है...

संडे को सैलानियों से भरा रहा भेड़ाघाट

युवा, बच्चे और बड़ों ने मनाई पिकनिक

बाहरी सैलानी भी बड़ी संख्या में रहे मौजूद

IN A FLASH

Conveyors buys Breco

CONVEYORS & Ropeways Services (CRS), a Kolkata-based, closely held company, has bought out 90 per cent of the UK-based Breco Ropeways Limited — owners of the famed Breco ropeways brand, reports **Suman Das Sarma** from **Kolkata**. This will force the Jhawars of Usha Martin to stop using the Breco brand for its ropeway-making outfit, Usha Breco Limited.

■ **Detailed report on Page 9**

The recently inaugurated aerial ropeway in Darjeeling may well be the first step towards creating a network of ropeways in the Himalayas, says **Gautam Gupta**

Thank You for the Opportunity.

Please feel free to write at crs_pl@yahoo.co.in/
marketing_crspl@yahoo.in