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M & M Ropeways

Leaping Ahead Aerially









EFFICIENT ROPEWAY SOLUTIONS FOR A SKY HIGH EXPERIENCE

CONTENTS

COMPANY OVERVIEW

COMPANY OVERVIEW

M & M Ropeways (MMR) was incorporated with the intent to provide alternate transportation solutions that are viable, cost-effective and eco-friendly for both Passengers as well as Material Handling.

With many years of experience in the domain, our team of deft Engineers, Designers, Technocrats and Skilled Personnel provide customized solutions to clients for designing, manufacturing, commissioning and operating in accordance to their variegated Aerial transportation requirements in both plains and mountainous terrain. We are recognized appreciably by our clients for completing and delivering the assignments in a stipulated period.

We have Designed, Manufactured and Installed Ropeways/Cable Cranes with single load capacities ranging from 100 kg to 10,000 Kgs and covering distances up to 6500 meters with a Single Drive. Our Ropeways and Cable Cranes are designed as per the **OITAF & BIS** regulations and guidelines to provide exceptional durability and reliability, without compromising on quality.

The company has in its bag of installations, the highest Ropeway systems at **18,000 feet** with temperatures dropping below **- 35°C** (most inhospitable conditions) which were installed for the Indian Army on the Siachen Glacier (Greater Himalayas).

Since its inception, **MMR** has attracted industry attention by winning prestigious projects in rapid succession and by setting new records for the highest Ropeways. With over **120 systems** installed, we are constantly discovering and learning about innovations and designs.

All our workforce remains closely associated with each other to bring optimum results of various functions. We have in-house facilities to Design, Manufacture and Commission the Ropeway systems as per **ISO 14001:2015, ISO 9001:2015, ISO 9000:2015.** Our state-of-the-art technology and efficient organizational structure are designed to ensure seamless operations, maximum productivity and unparalleled service delivery.

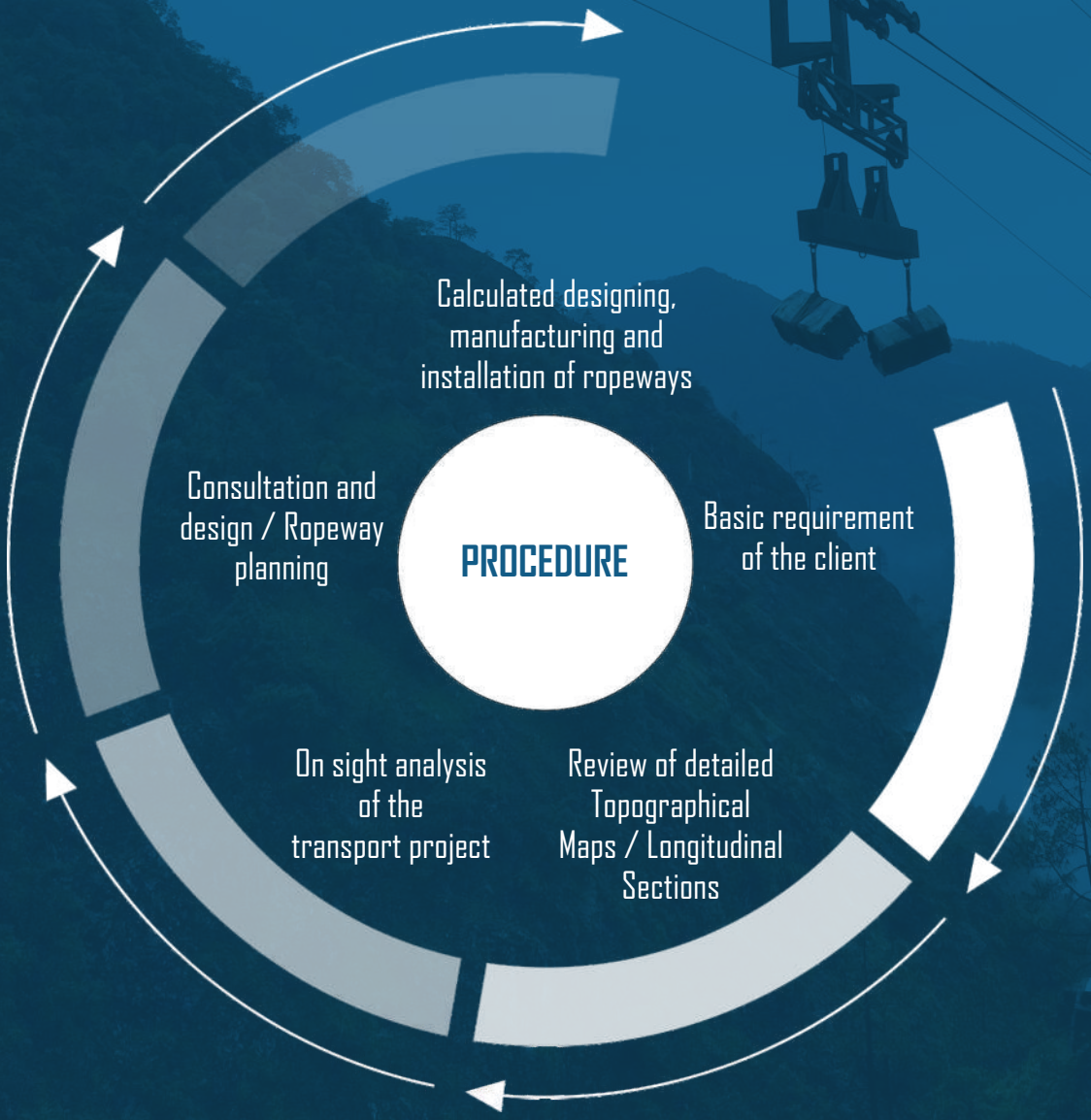
Our Installation Sectors

- Ropeways for Hydropower Projects
- Ropeways for Tunnelling Projects
- Ropeways for Penstock/Pipe Laying
- Ropeways for Cement Factories
- Ropeways for the Mining Industry
- Material Ropeways for construction of Passenger Carrying Ropeways for Tourism Industry.
- Ropeways for the Indian Army
- Ropeways for Rural Development to connect hill-top villages
- Ropeways for transporting Agricultural Produce in the mountains
- Ropeways for Tea Estates

SERVICES

Our services include:

- Transportation Analysis
- Topographic Mapping
- Longitudinal Section for the line of Ropeway
- Detailed/General Project Report
- Preliminary Cost Calculations
- Calculated Designing, Manufacturing & Installation of Ropeways
- Dismantling, Repairing/Over Hauling and Re-Installation of old Ropeways



PRODUCTS

PASSENGER CARRYING ROPEWAYS

GONDOLAS

Transport by Cable Car is one of the modern and comfortable ways of transport not only in ski resorts but also as an ecological urban transport. It is a safe and comfortable transport that protects passengers from the weather and allows barrier-free access as well as the transport of sports equipment or strollers. The elegant design and aluminum safety construction guarantee high reliability and long service life in addition to the use of high-quality materials

DETACHABLE GRIP CHAIR LIFT

Detachable Chairlifts meet the requirements of a modern ski resort. In the stations, the carriages are detached from the transportation rope, which enables slowing down and higher comfort and safety of passengers when getting on and off the Chairlift. After leaving the station, the speed increases, which shortens the transport time. Storing carriages in stations or garages is possible when out of service.

PRODUCTS

PASSENGER CARRYING ROPEWAYS

FIXED GRIP CHAIR LIFT

The carriages are fixed gripped to the transportation rope. Depending on the required capacity, they are 2 or 4-seater. The carriage is also equipped with a folding backrest, which increases the safety of transported persons. To increase the comfort and safety of passengers while boarding, a boarding belt is very often used, which is fastened on the departure side of the station.

SURFACE LIFTS / DRAG LIFTS

A Surface Lift is a type of cable transportation system used to tow skiers and snowboarders where riders remain on the ground as they are pulled uphill through J-Bars or T-Bars. The lift transports skiers on short distances of up to 600 meters.

PRODUCTS

MATERIAL HANDLING ROPEWAYS

CABLE CRANES

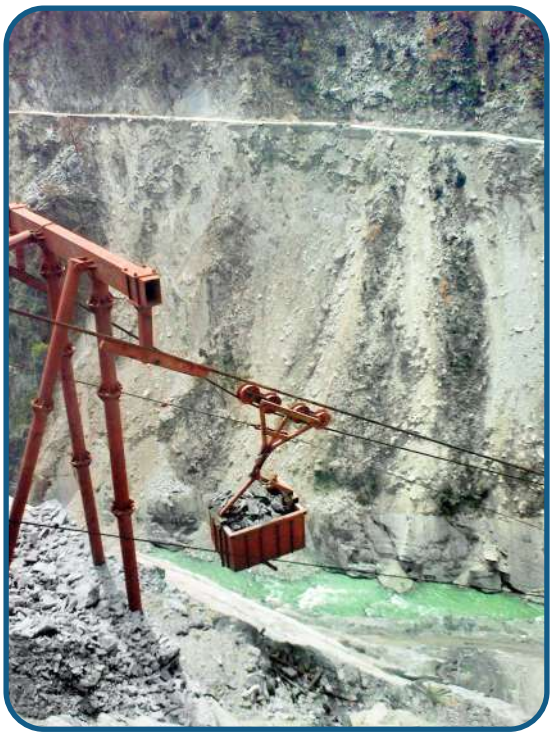
A Ropeway system in which carriers travel on a track rope. The crab is fixed to the loop of the haul rope and hauled backward and forward, while a separate hoisting rope is used to lift and lower the loads along the trace.

MONO-CABLE ROPEWAYS

A Mono-Cable Ropeway has only one Carrying cum Hauling cable that does the work of supporting as well as propelling. The carriers may also be detached from the cable

PRODUCTS

MATERIAL HANDLING ROPEWAYS



BI-CABLE ROPEWAYS

A Bi-Cable Ropeway has two or more cables. Track rope, which is stationary and supporting while the other is the Hauling rope which moves and propels the carrier.

SELF-PROPELLED ROPEWAYS

The carriage of such a Ropeway has an onboard engine that powers the vehicle to haul itself along the rope with a chain crawler system.

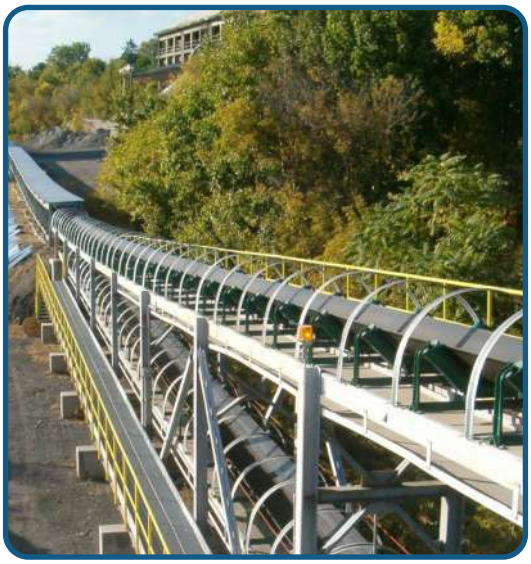
PRODUCTS

MATERIAL HANDLING ROPEWAYS

GRAVITY ROPEWAYS

A Gravity Ropeway operates by gravitational force without the use of any external / electrical power. It consists of two trolleys that travel on support tracks. These are attached to a control cable which moves in a traditional flywheel system. When the loaded trolley from the top station travels downward by the force of gravity, the other trolley from the bottom station simultaneously travels up automatically by the same control cable.

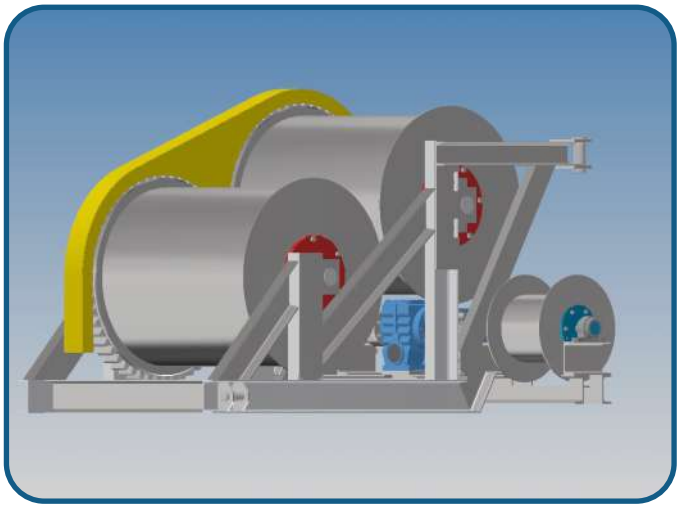
OTHER PRODUCTS

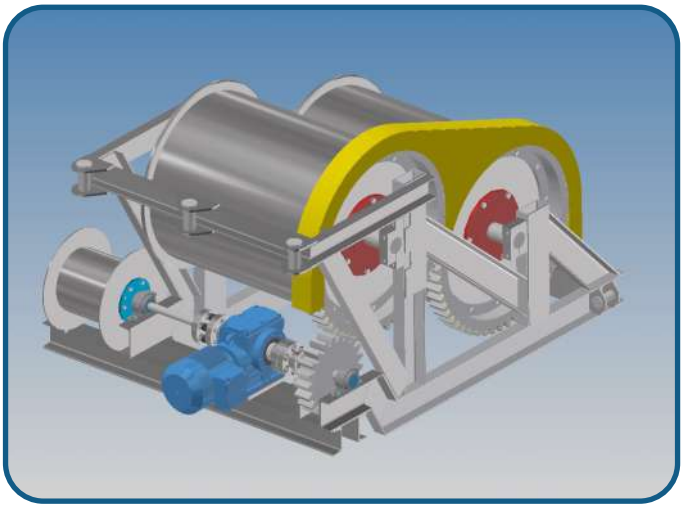


CONVEYOR

A Conveyor system is specialized and a custom made mechanical equipment that moves materials on belts from one location to another. Conveyors are especially useful in applications involving the transportation of materials in bulk quantity, distance and even at high angle.

OTHER PRODUCTS





WINCHES

A winch is a mechanical device with a drum/spool that is used to pull in (wind up) or let out (wind out) or otherwise adjust the tension of a wire rope.

ELECTRIC VEHICLES (E-RICKSHAWS)

E-Rickshaws are three-wheeled battery-operated vehicles, which are considered an upgrade to conventional rickshaws and are economically better than other fuel variants. These rickshaws since battery powered, have zero emissions.

OTHER PRODUCTS

FORM-WORK ACCESSORIES

Apart from Ropeways, we manufacture and export steel Scaffolding/Form-Work and Highway Fencing items to Europe, USA and the Middle East, which include:

- Fencing poles
- Track wheels
- Jack Stands
- Sliding Bolts
- Tensioning clamps
- Shuttering clamps
- Hinges
- and many more...
- Rollers
- Pipe clamps
- Pintles

HEAVY FABRICATION

Our Workshop is fully equipped having all the equipment and facilities for Heavy (Bridge) Girder & Industrial Shed Fabrication. We have fabricated & supplied steel Open Web Girders, Composite Girders & Trestles for Railway Bridges.

ADVANTAGES

BASIC ADVANTAGES OF AN AERIAL ROPEWAY

Aerial Ropeways are the most advantageous modes of transportation which contribute to an environment friendly, economical and practical solution. A Ropeway is possibly the most efficient of all modes of transport and has many advantages.

- Effective, Efficient & Powerful form of transporting goods and people
- Low construction cost in comparison to rail & roads
- Best suited for steep, rugged and otherwise in accessible grounds
- Reduces haul distances in comparison to rail and road
- Delivers quick, safe and bulk transportation to designated points
- Can carry incredibly heavy loads over large distances
- Remarkably high reliability and safety
- Quicker setup and take down
- Operational in all weather conditions (snow, rain) etc.
- State of the art technology
- Applicable for mountain construction, Dam Construction, Hydro Power Projects, Pipeline Construction, Bridge Construction, Forestry, Mining and many more

GREEN ADVANTAGES

- Environmental friendly
- Energy Efficient - Moderate Energy Consumption
- Low impact on trees
- Less excavations
- No noise pollution
- Requires small cleared pathway
- Overhead transportation

INSTALLATIONS

LIST OF INSTALLATIONS WITH THE INDIAN ARMY

S No.	YEAR	QTY.	DESCRIPTION
1.	1999	2	1000 mtrs long Mono-cable Ropeways to an Engineer Regiment of the Indian Army.
2.	2000	1	900 mtrs long Ropeway to an Engineer Regiment.
3.	2002	3	600-1200 mtrs long Ropeways for the Army.
4.	2002	1	1 tonne capacity 250 mtrs long river-crossing Ropeway for the Army.
5.	2002	2	1050-1250 mtrs long Ropeways for the Indian Army.
6.	2003	1	2.5 tonne, 150 mtrs long Ropeway across river Nubra (Ladakh) for the Army.
7.	2003	4	1100 to 1700 meter long Ropeways for 9 Engineer Regiment, Kargil.
8.	2004	1	250 mtrs long river-crossing Ropeway for 63 Eng. Regiment, Sikkim.
9.	2004	1	1000 mtrs long Ropeway for 9 Eng. Regiment, Kargil.
10.	2005	1	2200 mtrs long Ropeway for ITBP 4th Batalion Kullu for Samdho.
11.	2006	2	800 mtrs & 1350 mtrs long Bi-cable Ropeway for 108 Engineer Regiment.
12.	2007	1	1800 mtrs long Bi-cable Ropeway for 108 Engineers.
13.	2008	1	1500 mtrs long Bi-cable Ropeway for 8 Engineers.
14.	2009	4	Ropeway maintenance job in Northern Army Sector.
15.	2011	2	800 & 1500 mtrs long Ropeway for 111 Engineer Regiment (Indian Army).
16.	2012	1	400 mtrs long Surface Lift for Passengers with High Altitude Warfare School, Gulmarg.
17.	2013	1	River Crossing Ropeway for 14 Engineers.
18.	2014	1	900 mtrs long motorized Ropeway for 52 Engineers.
19.	2014	2	Motorized river-crossing Ropeways for 4 Engineers.
20.	2015	1	500 mtrs long Ropeway for 8 Engineers.
21.	2015	3	Passenger Ropeways with 6 persons Cabin / 2 Ton Pay Load supplied in Nepal under the initiative of our Honb'l Prime Minister Mr. Narendra Modi.
22.	2015	3	1200 mtrs long Ropeway for Stores/Casualty Evacuation for 201 Engineers Regiment.
23.	2017	1	2400 mtrs Ae Cableway for 267 Engrs, Dras.
24.	2018	1	1500 mtrs long Ae Cableway for stores/Casualty Evacuation for 7 Engrs, Naugam, J&K
25.	2024	1	1500 mtrs long Aerial Cableway for Universal Fabricators, 19 Engrs/104 Engrs in Batalik Sector (J&K)
26.	2025	1	Single Reversible, 1 Ton/10 passenger Bi-Cable Aerial Cableway for 106 Engineers Regiment with bullet-proof cabins at Akhnoor (J&K)

INSTALLATIONS

LIST OF INSTALLATIONS WITH HYDRO POWER PROJECTS

S No.	YEAR	QTY.	DESCRIPTION
1.	1992-94	2	5 tonne capacity and 85 tonnes/hour Ropeways at Ranjit Sagar Dam Project, Pathankot.
2.	1995-96	1	1 tonne bucket capacity, 2 tonne hook load and 400 mtrs long Cable Crane in Himachal.
3.	1996-99	1	Major components for a 13 km long Mono-cable Ropeway for M/s Diamond Cements.
4.	2001	1	500 mtrs long Ropeway for HPSEB Kafnoo (HP).
5.	2002	1	2 tonne hook load/4 passenger cum material Ropeway for Hanuman Ganga Project in Uttarakhand.
6.	2003	1	2 tonne payload, 600 mtrs long Ropeway in Samot, Distt. Chamba (HP).
7.	2005	1	1.5 km long, 2 tonne hook load, material cum passenger Ropeway for Regency Aquaelectro and Motel Resorts Ltd. In Manali (H.P)
8.	2005	1	1.5 Mt bucket load, 600 mtr. long Material Ropeway for Lanco Infratech Ltd. Dharamshala.
9.	2005	1	1.5 Mt bucket load, 950 mtrs long material Ropeway for Lanco Infratech Ltd.
10.	2006	1	1.5 Mt bucket load, 750 mtr. long material Ropeway for Lanco Infratech Ltd. Dharamshala.
11.	2006	1	2000 Kgs. hook load, material Ropeway for Astha Hydro Projects (India) Ltd. Palampur (H.P.)
12.	2007	1	2 Mt bucket load, 350 mtrs long for AT Hydro (Chamba)
13.	2007	1	2 Mt bucket load, 550 mtrs long material Ropeway for Tejas Sarnika Hydro Energies (P) Ltd. Terella (Chamba) H.P.
14.	2007	1	2 Mt. bucket load, 700 mtrs long Cargo Ropeway for Anubhav Hydel Power (P) Ltd, Palampur.
15.	2008	1	2 Mt. 500 Mtr. Long Motorized ropeway for Regent Hydro (P) Ltd. Kinnaur (H.P.)
16.	2008	1	2 Mt. gravity Ropeway for Lanco Infratech (Budhil) H.P.
17.	2008	1	Up-gradation of 1500 mtrs long cargo Ropeway from 2 Mt. to 4 Mt. for Regency Aqua-electro & Motel Resorts.
18.	2008	1	200 mtrs long river-crossing cargo/passenger Ropeway for Sorang HEP (H.P.)
19.	2009	1	Maintenance of 3 tonne cargo Ropeway at Kinnaur (H.P.)

INSTALLATIONS




LIST OF INSTALLATIONS WITH HYDRO POWER PROJECTS

S No.	YEAR	QTY.	DESCRIPTION
20.	2010	1	5 Mt. hook load capacity cargo Ropeway for Maytas-NCCSSJV in Kinnaur, H.P.
21.	2012	1	10 Mt. Cable Crane for laying penstock pipes for 100 MW Sorang Hydro Power Project (NCC Infrastructures) in Kinnaur, H.P.
22.	2013	2	4 Mt. cargo Ropeway at an inclination of 45 degrees for Kut Hydro, Kinnaur, H.P.
23.	2017	1	300 mtrs long Ropeway for Rock fall Protection, Nepal.
24.	2018	1	6 ton Cable Crane (Double Reversible) for Pawagarh Temple, Gujarat.
25.	2021	1	5 ton Cable Crane for Nilgiri Hydro, Nepal.
26.	2021	2	3.5 tons & 2.5 tons Cable Cranes for Makari Gad Hydropower, Nepal.
27.	2023	1	1600 mtrs long Ropeway with capacity of 1.5 Tons for Lipping Hydro, Nepal.



LIST OF INSTALLATIONS WITH STATE GOVERNMENTS

S No.	YEAR	QTY.	DESCRIPTION
1.	2000	4	Ropeways with a span of 1000-1350 mtrs, for HPPWD.
2.	2000	4	River-crossing Ropeways of 250 mtrs span in H.P.
3.	2000	1	Ropeway for HPPWD Karcham Division (HP).
4.	2002	1	8 passengers Vertical Lift at Auli (Uttarakhand).
5.	2002	1	1000 mtrs. long Ropeway for Mandi Parishad, (Uttarakhand).
6.	2003	1	Monocable Ropeway, 5103 metre long with multiple buckets for Mandi Parishad, Uttarakhand.
7.	2004	1	1350 mtrs long Ropeway for HPPWD
8.	2004	1	Mono-cable Ropeway of 6417 mtrs with multiple buckets for Mandi Parishad, Uttarakhand.
9.	2005	1	835 mtrs. long Ropeway for Mandi Parishad, Uttarakhand.
10.	2005	1	354 mtrs. long Ropeway for Mandi Parishad, Uttarakhand.
11.	2005	1	1250 Mtrs. long Ropeway for Mandi Parishad, (Uttarakhand)
12.	2006	1	1500 mtrs long Ropeway for HPPWD (Barua) Karcham.
13.	2007	2	1200 mtrs long gravity Ropeways for GMVN.
14.	2007	1	600 Mtr. Long Cargo Ropeway for H.P.P.W.D. Kinnaur
15.	2008	1	3 km long cargo Ropeway for Mandi Parishad, Uttarakhand.
16.	2009	3	Gravity Ropeways for GMVN Uttarakhand.
17.	2009	2	1100 and 1300 mtrs long material Ropeway for I.I.T Roorkee (AHEC) in Distt. Chamoli & Bageshwar.
18.	2009	1	Maintenance of 1500 mtr. Long ropeway in Kinnaur.
19.	2010	1	1500 mtrs. Long ropeway for rural development with Mandi Parishad, Uttarakhand.
20.	2011	3	1000 mtrs long gravity Ropeways for KMVN Uttarakhand.
21.	2011	3	300 - 600 mtrs long river-crossing Ropeways with payload of 200 kgs/2 persons each for Mandi Parishad, Uttarakhand.
22.	2011	2	800 - 900 mtrs long gravity Ropeways for DDC Mandi Parishad (Agro) Dehradun.
23.	2016	1	JV Project with Italian Company for supply & installation of 5 kms long Ropeway for restoration of a Monastery in Bhutan.
24.	2016	1	1300 mtrs long Ropeway for J&K PWD.
25.	2023	1	2500 mtrs long Ropeway for J&K PWD
26.	2023	2	4130 mtrs long Ropeway (in Two stages) with payload of 200 Kgs. for DDC Mandi Parishad, Uttarakhand

LIST OF INSTALLATIONS UNDER EXECUTION

S No.	QTY.	DESCRIPTION
1.	1	1200 mtrs long material cum passenger Ropeway for 113 Engineers Regiment, Sikkim.
2.	1	1600 mtrs long Ropeway with Payload of 3 tons for Rolwaling Hydro, Nepal.
3.	1	1500 meters long, 3000 kg/hour capacity Ropeway for a Tea Estate in Africa.
4.	1	Repair, Manufacture of critical components and Re-installatin of a 10 ton capacity Cable Crane for Megha Engineering at Barot Valley, H.P.
5.	1	500 meters long, Monocable Jig-Back for Horticulture Transportation in Uttarakhand for Agriculture Marketing Board.
6.	2	3 km long Mono Cable Ropeway with an hourly capacity of 3000 kg for a Tea Estate in Rwanda, Africa
7.	1	5-ton capacity, 750-meter long Cable Crane for the construction of a Passenger-Carrying-Ropeway by Usha Breco Limited at Pavagadh, Gujarat.
8.	1	3.5 tons capacity, 750 meters long Cable Crane for Jurimba Khola Hydropower Project, Nepal.



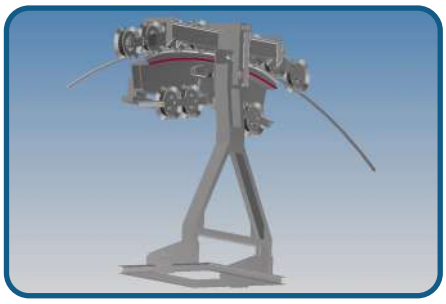


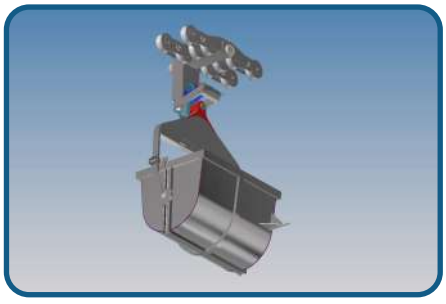

Since its inception in 1992, MMR has attracted industry attention by winning prestigious projects in rapid succession and by setting new record for highest Ropeway.

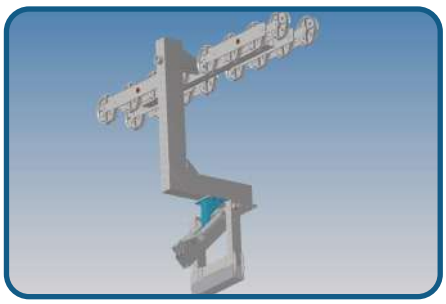
RESEARCH & DEVELOPMENT

PIPELINE CONSTRUCTION

MINING







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