Over Dimensional Cargo

Our expertise for your larger needs

50 years
1968-2018

Our Capabilities

Route Survey & Feasibility Study

In depth survey of probable routes with observations on crossings, bridges and other obstructions to ensure your cargo remains safe from any external contact.

Technical Knowledge

With over 50 years of experience in moving cargo, we know exactly which vehicle will be most suitable for your ODC.

Loading/Bracing Knowledge

We use precise loading and bracing technique to handle your cargo.

Government Liaising

We liaison with Government agencies for all permissions. Specially when taken through narrow routes or where some road work, electrical line removal/shutdown maybe necessary.

Escort Movement

Escort movement with in-vehicle escort or lead vehicle so that we always have eyes on the safety of your cargo.

Road Contracting & Electrical Line Management

We make roads and clear routes from any electrical or other obstructions that might hamper the movement of your cargo.

Delivering Over Dimensional Cargos Across India

Vadodara, GJ to Vile Parle, MH

Client
Schneider Electric Infra

Dimensions
20 ft X 12 ft X 12 ft

Weight
43 MT

Vehicle
Hydraulic Axle

Scope of Work
Loading, Transportation, Unloading, Dragging to plinth

Coimbatore, TN to Patna, BH

Client
Schneider Electric Infra

Dimensions
60 ft X 14 ft X 14 ft

Weight
38 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Mumbai Port to Delhi Metro

Client
Schneider Electric Infra

Dimensions
18.2 ft X 8 ft X 20.2 ft

Weight
75 MT

Vehicle
Hydraulic Axle

Scope of Work
Transportation

Mumbai Port to Delhi Metro

Client
Schneider Electric Infra

Dimensions
25.2 ft X 16.2 ft X 16.2 ft

Weight
75 MT

Vehicle
Hydraulic Axle

Scope of Work
Transportation

Delivering Over Dimensional Cargos Across India

Naroda, GJ to Shahdol, MP

Client
Dresser Rand India Limited

Dimensions
43 ft X 16.8 ft X 14.9 ft

Weight
30 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Zak to Gandhidham, GJ

Client
Loyal Equipments Ltd.

Dimensions
60 ft X 13.5 ft X 18.5 ft

Weight
45 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Anand, GJ to Haridwar, UT

Client
ABB India Limited

Dimensions
31 ft X 17 ft X 14 ft

Weight
23 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Chennai, TN to Mumbai, MH

Client
Metso India

Dimensions
20 ft X 20 ft X 14 ft

Weight
32 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Delivering Over Dimensional Cargos Across India

Chennai, TN to Sanghipuram, GJ

Client
Loesche

Dimensions
24 ft X 24 ft X 16 ft

Weight
16 MT

Vehicle
Mechanical Low Bed Trailer

Scope of Work
Transportation

Rohtak, HR to Sindri, JH

Client
Ingersoll Rand

Dimensions
52 ft X 15 ft X 15 ft

Weight
92 MT

Vehicle
Hydraulic Axle

Scope of Work
Transportation

Rohtak, HR to Barauni, BH

Client
Ingersoll Rand

Dimensions
52 ft X 15 ft X 15 ft

Weight
92 MT

Vehicle
Hydraulic Axle

Scope of Work
Transportation

Our Clients

We take pride in bearing the trust of some of the most prominent names across industries when it comes to moving Over Dimensional Cargo through the length and breadth of the country and beyond.

metso
Expect results

PRAXAIR

LOESCHE
INNOVATIVE ENGINEERING

LARSEN & TOUBRO

DRESSER-RAND
A Siemens Business

VSL

Schneider Electric

ABB

IR Ingersoll Rand

KEC
KEC INTERNATIONAL LIMITED

Case Study 1

Transportation of Reactor

From ABB Ltd. Maneja, Vadodara to Saharsa Bihar
Size & Wt.: 6.698m x 3.71m x 4.29 m, 110 MT
Year - 2020

Transportation of Reactor

From ABB Ltd. Maneja, Vadodara to Saharsa Bihar / Size & Wt.: 6.698m x 3.71m x 4.29 m, 110 MT

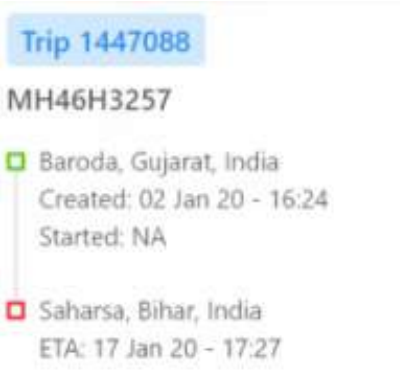
Equipment Used

Vehicle: Puller + 8 Hydraulic Axels

Securing Equipment

Cargo Securing Point	20 MT MSL/item	As per confirmation of our design
Shackle	10 MT MSL/item	Test Certified
Chain	10 MT MSL/item	Test Certified
Turnbuckle	10 MT MSL/item	Test Certified
Ratchet	10 MT MSL/item	Test Certified
Each Trailer Securing Point	15 MT MSL/item	As per OEM Document
Trailer Speed	15 Km/hr	
Frictional Element	Rubber mat – 8 mm thickness	

Routing



Transportation of Reactor

Sequence of Operation

Lifting onto conveyance at ABB manufacturing site (by ABB)

1. Over head crane to aligned exactly over the Reactor.
2. Designated Sling to be used to lift the reactor with help of overhead crane.
3. Reactor to be lifted and placed on axle.
4. Lifting on to the axle and off the axle will be within capacity of ABB or 3rd Party Crane

Securing Cargo on Axle Trailer

1. Reactor placed on Rubber Mat on Axle Trailer
2. Lashing will be done with Chain/Ropes from lashing location of Reactor to Axle
3. Turn Buckle/Ratchet Belt to be used to tighten the ropes/chains.
4. No Steel to Steel Contact
5. Securing as per ABB/Allianz Minimum Requirements

Movement to Destination

1. Receive Letter from ABB for MORTH Permission
2. Obtain permission from MORTH
3. Secure Cargo with Proper Lashing
4. Obtain Other Transit Documents
5. Route Survey by Pilot Vehicle on Daily Basis
6. Lashing/Securing Check every 100 KM
7. Braking Check on every 100 KM
8. Parking (wherever necessary) at Safe Site

Loading

Unloading

Case Study 2

Survey Report for Movement of GIS

Ex. Vadodara to Adani Project, Rasoolpur, Buduan
Year - 2020

Case Study 2

Survey Report for Movement of GIS

Equipment to be Transported

Equipment	L (mm)	W (mm)	H (mm)	Net Wt.	Gross Wt.
220 Bay	5510	2040	2370	2555	4865
145 Bay	5358	2508	2879	2897	7998
420 Bay	6840	3370	4200	10876	14647
400,220,132 Busduct and other accessories.	Wooden boxes of different sizes and weight				

Vehicles Used

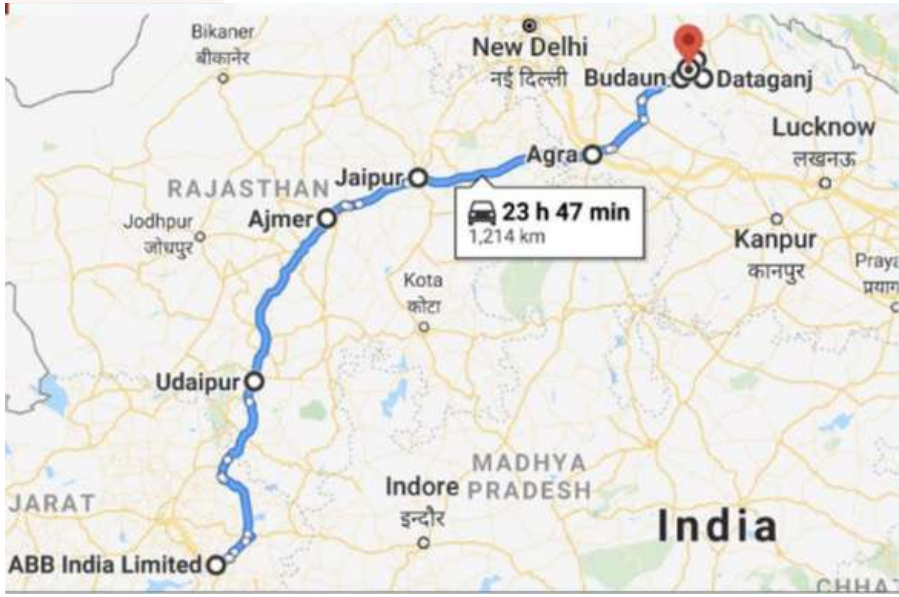
1. 40 Ft Air suspension Low bed Trailer 40 x 8 x 7 FT- 20 MT
2. 40 Ft Air suspension High bed Trailer 40 x 8 x 7 FT- 20 MT
3. 40Ft Normal High bed 40x8x7FT - 20MT
4. 22 Ft Full body Torus Truck 24x8X7 FT-16MT

Route

ABB,Manjusar → Udaipur → Ajmer → Jaipur → Agra → Budaun → Dataganj → Devchara → Rasoolpur

- Total Distance: 1214 KM
- States to be Passed: Gujarat, Rajasthan & Uttar Pradesh.
- Any Railway Crossings: No.
- Enroute Obstructions: NIL
- Transit Time: 7 Days.

Route Map



Case Study 2

Survey Report for Movement of GIS

Leg	States	Highways	Description
ABB,Manjusar- Udaipur (324 KM)	Gujrat/ Rajasthan	SH 5 NH 48	Short 42KM travel on SH 5 which is 2 Lane. Most part of the Highway is 4 Lane and in some parts 6 lanes, no bridges and no major overhead obstruction en route.
Udaipur-Ajmer (260 KM)	Rajasthan	NH 48	Most part of the Highway is 4 Lane and in some parts 6 lanes, no bridges and no major overhead obstruction en route.
Ajmer – Jaipur (130 KM)	Rajasthan	NH 48	Most part of the Highway is 4 Lane and in some parts 6 lanes, no bridges and no major overhead obstruction en route.
Jaipur - Agra (230 KM)	Rajasthan/UP	NH 21	Most part of the Highway is 2 Lane and in some parts 4 lanes, no bridges and no major overhead obstruction en route.
Agra - Buduan (154 KM)	UP	NH 21 SH 33	Most part of the Highway is 2 Lane and in some parts 4 lanes, no bridges and no major overhead obstruction en route. SH 33 is a 2 Lane Road. No O/H obstructions
Budaun- Dataganj-Devchara- Site (86 KM)	UP	SH 33 Unmarked Road	Detour to be taken instead of direct route to Site as there is a Railway Crossing En route.




Survey Report for Movement of GIS

Conclusion of Route Survey

It is feasible to transport consignments having overall height up-to 15 FT trailer height of 3.50 Ft & cargo weight up-to 42 Tons from Manjusar to Adani, Rasoolpur Site, Budaun.