

# CASE STUDY: TGF PROJECT– 2016 / 2017 TURKMENISTAN



## Scope

- Collection from FOB European origins
- Direct FTL, LTL, rail and Airfreight shipments
- Transshipment operations
- River transportation up to Caspian port
- Discharging to Caspian port & Storage
- Re-loading on trailers & barges
- Shuttle barge operations : Turkmenbashi - Garabogaz
- Road permits, obstacle removals, civil works
- Transportation up to site

## Profile

- Name : Garabogaz Fertilizer Plant Project
- Site location : Garabogaz, Turkmenistan
- Volume : 168,582 CBM

GAP İNŞAAT

MITSUBISHI  
HEAVY INDUSTRIES, LTD.

## Highlights

- River vessels utilized : 37
- Heaviest unit 478 mt along with 19 units over 100 mt
- 9 Shuttle barge transportation between Turkmenbashi - Garabogaz



# CASE STUDY: KIRIKKALE CCPP PROJECT – 2016 TURKEY



## Scope

- Discharging to Samsun Port
- Storage
- Re-loading on trailers
- Transportation up to site
- Equipment installation with gantry crane

## Profile

- Name : Samsung Kirikkale CCPP
- Site location : Kirikkale, Yahsiyan, Turkey
- Volume : 300,000 CBM



## Highlights

- Axles utilized : 200 SPMT
- Axle movements : 820 movements
- Overland distance : 360 km's

## Heaviest Unit



12.42 5.42 4.84 **410**  
length Width height tons





# CASE STUDY: UGCC PROJECT– 2014 UZBEKISTAN

Loading @ Origin



Transshipment



Unloading



Storing



Reloading



Civil Works



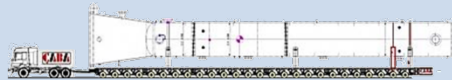
Onshore Haulage



## Scope

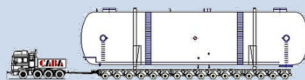
- Loading at origins & transshipment to river vessels
- River vessel transportation & various HL engineering works
- Discharging to Caspian port & Storage
- Re-loading on trailers & transit clearance
- Road permits, obstacle removals, civil works
- Transportation up to site

### Heaviest Unit



45 length 6.8 width 7.7 height **253** tons

### Widest Unit



28 length **7.4** width 7.6 height 152 tons

## Profile

- Name : UGCC Ethylene Plant Project
- Site location : Akchalak, Uzbekistan
- Volume : 98,240 CBM



## Highlights

- Axles utilized : 258 hydraulic
- Axle movements : 1,082 movements
- River vessels utilized : 13
- Overland distance : 827 km's
- 126 OOG/HL units
- 16 major bypass constructions