



EXTREME

ENGINEERING & CONSTRUCTION

AFCONS

About Afcons

A trusted infrastructure construction company across diversified segments, since 1959

- Afcons with **over 6 decades of experience**, is present across diversified infrastructure segment in domestic and overseas markets
- **Part of Shapoorji Pallonji Group** since 2000
- Balanced Board comprises Independent Directors, Non-Executive Directors and Whole-Time Directors
- Strong record of delivering projects on, or, ahead of schedule
- Significant presence in international markets
- Executing technologically complex, challenging, many first-of-its kind infrastructure projects
- Afcons is ranked **6th globally in Marine and Port facilities**, and, **21st globally in the Bridges sector** as per latest Engineering News-Record (ENR), USA, survey. It is the **only Indian company in Top 25 International Contractors in both sectors**. Afcons is also **the highest-ranking Indian contractor in Top 50 International Contractors in Transportation sector**
- Integrated quality management systems ISO 9001, ISO 14001, BS OHSAS 18001



STRONG EPC & CONSTRUCTION BACKGROUND



4,500+ Lane km of roads



190+ Marine works



150+ Bridges, flyovers, viaducts



120+ km Elevated & underground Metro



50+ km Underground tunnel by NATM



40 General civil engineering & industrial structure



6 LNG Tanks



4 Irrigation and hydro works



50+ Overseas projects

Areas of Operation

Afcons provides Engineering, Procurement & Construction (EPC) services across key infrastructure segments



MARINE & INDUSTRIAL

- Ports & Harbours
Jetties, Dry Docks, Wet Basins, Breakwaters, Outfall & Intake structure, LNG Tanks.
- Material Handling Systems



SURFACE TRANSPORT

- Highways & Roads
- Interchanges
- Mining-related infrastructure
- Railways



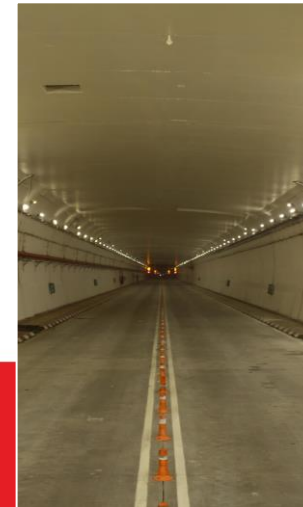
URBAN INFRASTRUCTURE

- Metro Works
- Bridges & Flyovers



OIL & GAS

- Offshore Oil & Gas
- Onshore Oil & Gas



HYDRO & UNDERGROUND

- Dams & Barrages
- Tunnel & Underground Works
- Water & Irrigation

Extreme Engineering & Construction

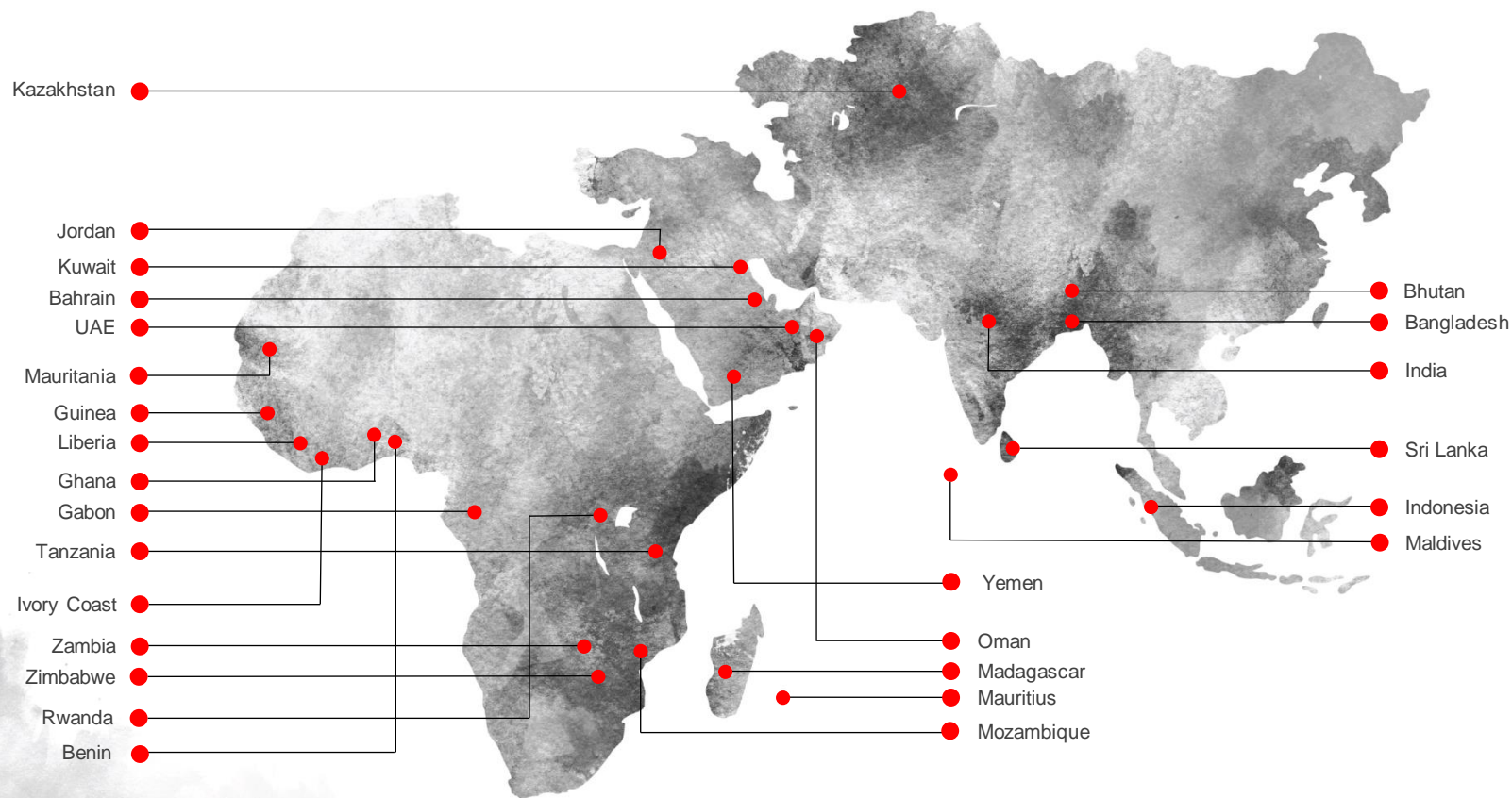
AFCONS HOLDS THE DISTINCTION OF CONSTRUCTING:

- World's highest single-arch railway bridge in Jammu & Kashmir
- World's longest highway tunnel 10,000ft above sea level in Himachal Pradesh (JV with Strabag)
- One of the world's deepest ports in Oman
- India's first underwater Metro tunnels below Hooghly river in Kolkata
- The fastest hill-road project in National Highway Authority of India's (NHAI) history in Jammu & Kashmir
- India's longest rail bridge in Kerala (8 kms)
- India's largest underground Metro station in Chennai
- India's deepest underground Metro station in Kolkata
- India's first underground Metro station in New Delhi without foreign JV
- An offshore process platform using float-over technology, on time, in Mumbai High
- Fastest port project in West Africa
- Infrastructure for world's largest racecourse in Dubai
- India's longest jetty and cargo terminal, at JNPT, in Mumbai
- India's fastest elevated metro in Kanpur
- India's longest double decker viaduct in Nagpur
- Country's first four-layer transportation corridor in Nagpur
- India's widest road tunnels in record time of two years in Maharashtra

International Presence



Geographies worked/working in



Awards

Afcons has been honoured and recognised by the industry for its landmark achievements over the years. Some select awards are as follows:

- Most Innovative Knowledge Enterprise (MIKE) Award four years in a row from 2018-2021 (Successor to MAKE Award). Afcons has previously won MAKE award for two successive years (2017 & 2016)
- National Highway Excellence Awards, instituted by the Ministry of Road Transport and Highways (MoRTH), for Atal Tunnel, Rohtang, and, Mahatma Gandhi Setu
- EPC World Award for Kanpur Metro for Outstanding Contribution in Urban Infrastructure
- Maharashtra State Best Employer Brand Award in 2021 for excellent Covid-19 management.
- CIDC Awards for Agra Lucknow Expressway Project, Bharat Mumbai Container Terminals, and, Kanpur Metro
- Among Construction World's Most Admired Companies for 10 consecutive years
- Construction Industry Award for Chennai Metro Project for two years in a row
- Winner of multiple Confederation of Indian Industry (CII) Awards
- Winner of British Safety Council's International Safety Award for seven projects in a year
- Dun & Bradstreet Award twice in a row (2017 & 2018) for Agra Lucknow Expressway Project and for Nagpur Metro Project in 2019
- Seven projects win International Safety Award from Royal Society for Prevention of Accidents (RoSPA)

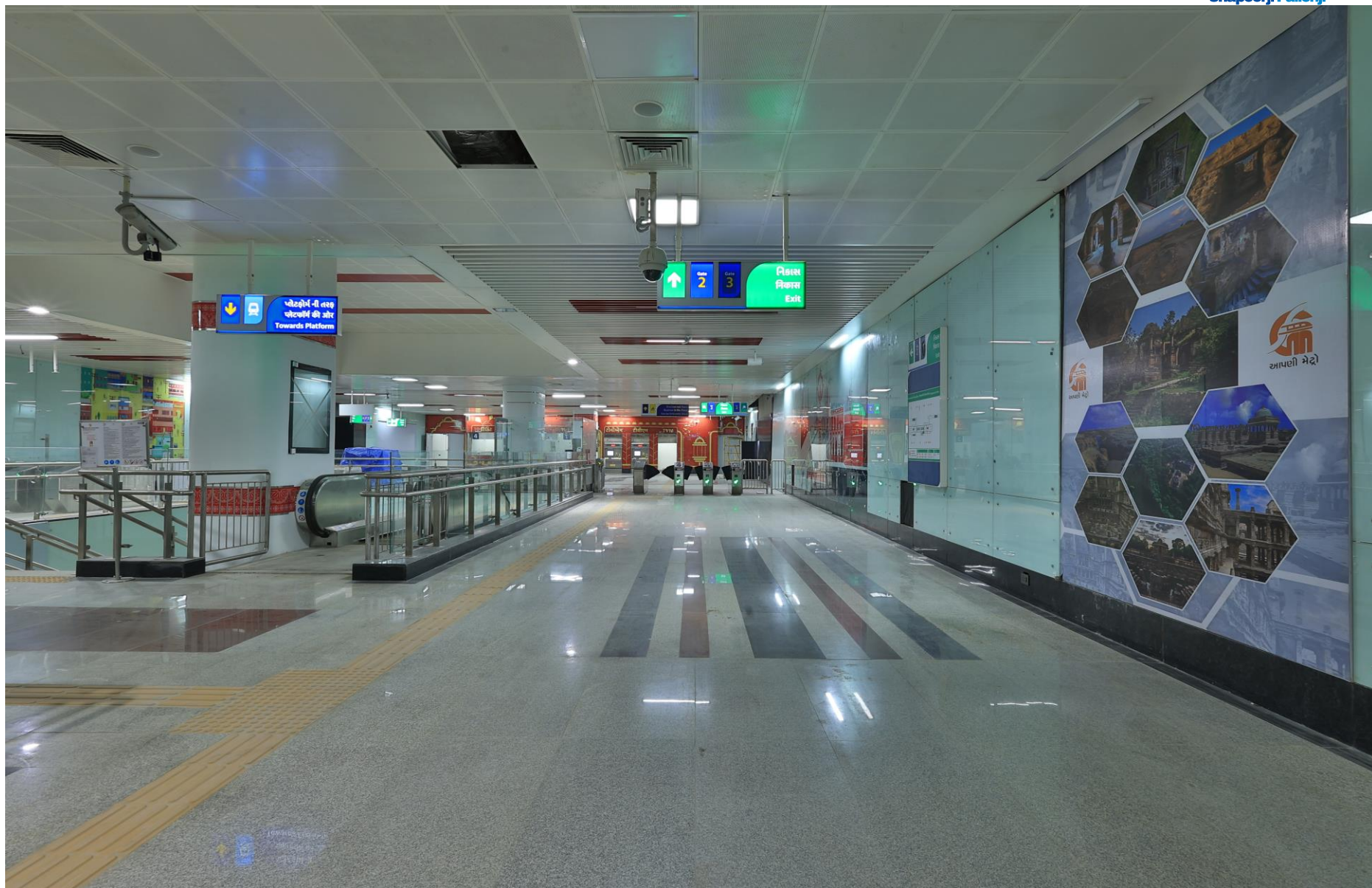








Prevention of Accidents (P.A.)



Prevention of Accidents (Roofing)





URBAN INFRASTRUCTURE

Select Projects



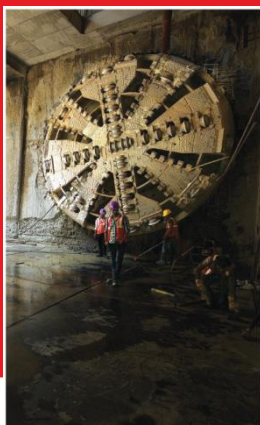
Strategic Equipment

- Indigenous strategic equipment fleet
- Strategic equipment worth ~₹2,600+ Cr
- Across diversified segments
- Technological edge in executing challenging projects
- Two workshops in Delhi and Nagpur for maintenance and innovation



10 MARINE BARGES (200-1200 TONNE)

- Sahyadri Barge can lift up to 1200 tonne (in pic)
- Afcons mobilised world's third largest Hermod barge to install the ICP-R Process Platform in a very short time



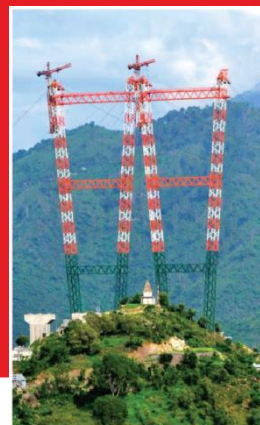
10 TUNNEL BORING MACHINES (TBMS)

- 5 soft ground earth pressure balance (EPB) TBMs
- 4 mixed face TBMs
- 1 hard rock TBM



7 LARGE-CAPACITY JACK UPS (200-750 TONNE)

Samrat is one of the biggest jack up of its kind in India (in pic)



WORLD'S LARGEST CROSSBAR CABLE CRANE DEPLOYED AT CHENAB RAIL BRIDGE PROJECT (in pic)

- 37 Crawler cranes
- 82 Mobile cranes
- 12 Tower cranes
- 2 Cable cranes



20 PILING RIGS



24 JUMBO DRILLS

Metro Tunelling Below Hooghly River, Kolkata, India

CLIENT:

Kolkata Metro Rail Corporation Ltd.
(KMRCL)

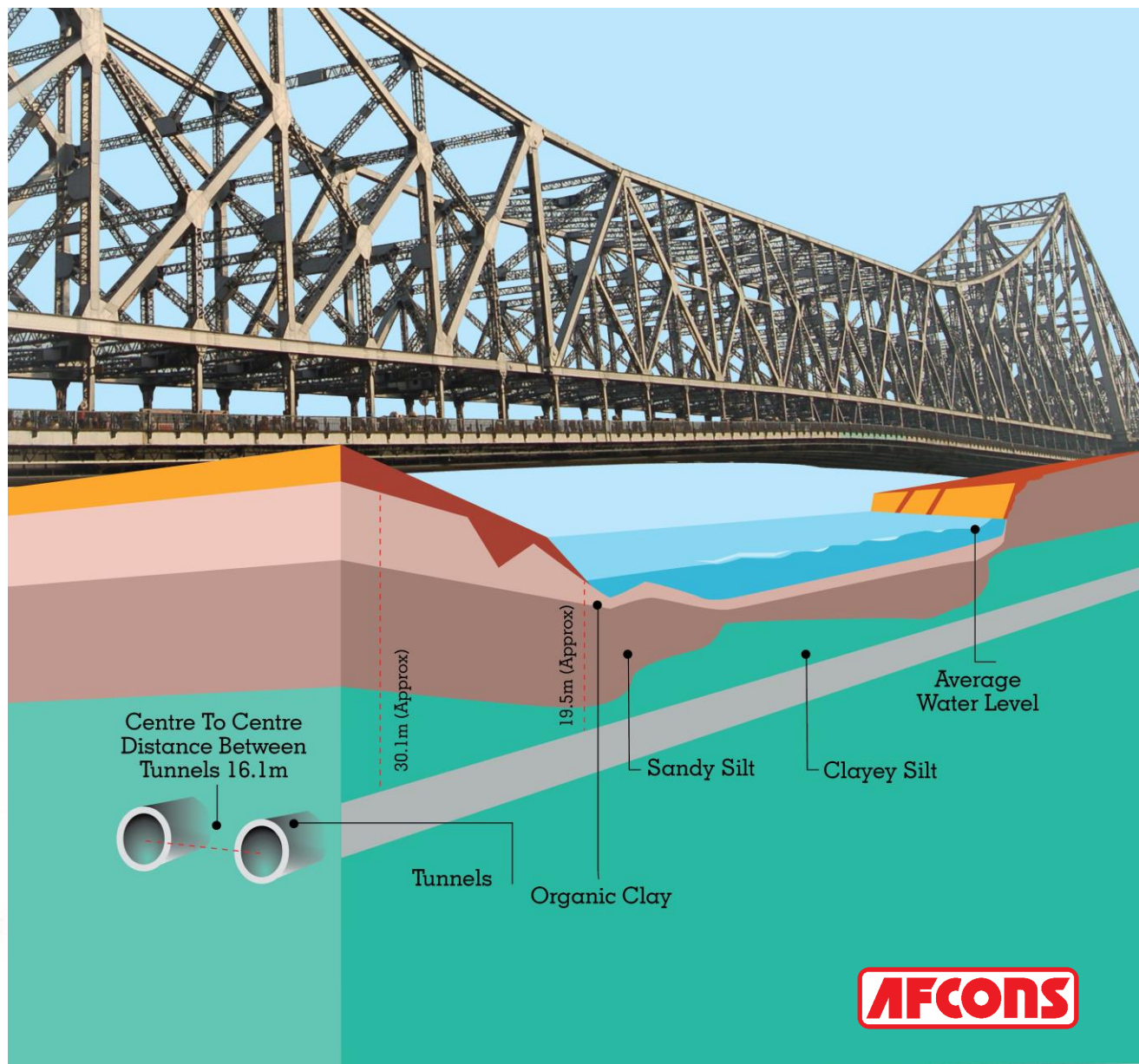
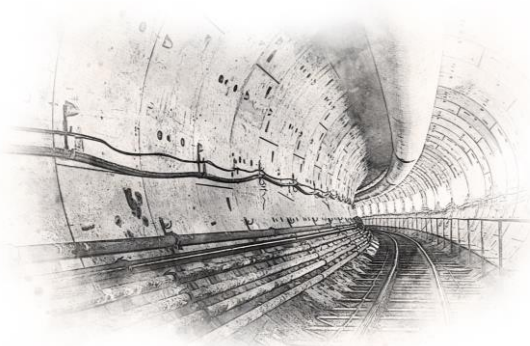
CONSULTANT:

MYCEL

SCOPE:

Design and construction of twin Metro tunnels below River Hooghly connecting Howrah and Sealdah stations.

**Afcons has built India's first
underwater Metro tunnels**



Underground Metro, Chennai, India

CLIENT:

Chennai Metro Rail Ltd. (CMRL)

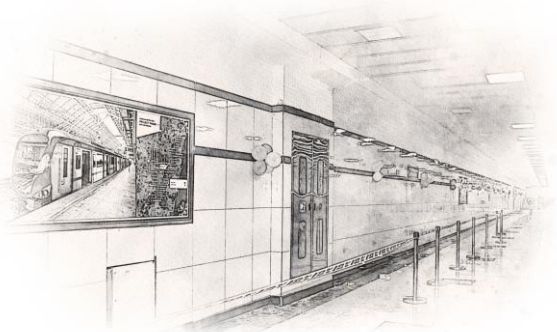
CONSULTANT:

EMBYE (EGIS RAIL, Maunsell Asia,
BARSYL, YEC & EGIS INDIA)

SCOPE:

Five packages for Chennai Metro Rail
Ltd (CMRL); Chennai Central Metro
Station, one of the largest underground
stations in India.

**Tunnelling for Package 8 completed
five months ahead of schedule**





Nagpur Metro Reach-3, Nagpur, India

CLIENT: Maha Metro

CONSULTANT: Kirti Consultants Pvt Ltd (Contractor)
General Consultants: SYSTRA-RITES-AECOM-EGIS

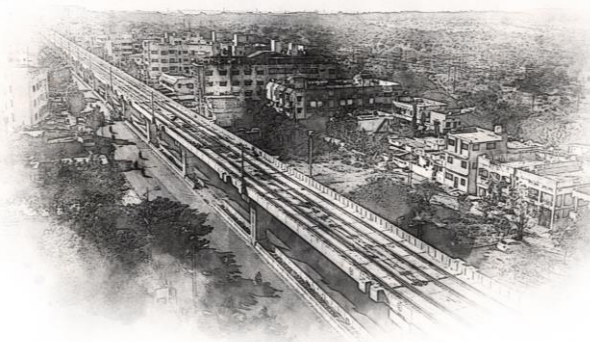
SCOPE:

10.8km elevated corridor (East-West) between Rani Jhansi Square to Lokmanya Nagar.

Afcons completed the project in record time of 28 months.

Sitbauldi Interchange station was completed in a record time of 20 months.

It is the highest Metro Interchange Station in India.





Nagpur Metro Priority Corridor (Reach-2), Nagpur, India

CLIENT: Maha Metro

SCOPE: 600m elevated corridor between
Sitabuldi and Zero Mile station including
a 44m composite steel girder span.

CONSULTANT: Kirti Consultants Pvt Ltd (Contractor)
Shirish Patel Associates (Client)
General Consultants: SYSTRA-RITES-AECOM-EGIS

**Afcons completed the priority corridor in just three months,
and, 211 days ahead of schedule. The 44m composite steel
girder span over Govari flyover was placed in a record time.**



Priority Corridor, Kanpur, India

CLIENT:

Uttar Pradesh Metro Rail Corporation

CONSULTANT: TYPSA - Italferr

SCOPE:

Construction of 9.6km elevated viaduct between IIT Kanpur and Motijheel including 9 stations.

Afcons completed the project in a record time of 22-and-a-half-months making it one of India's fastest-executed Metro projects

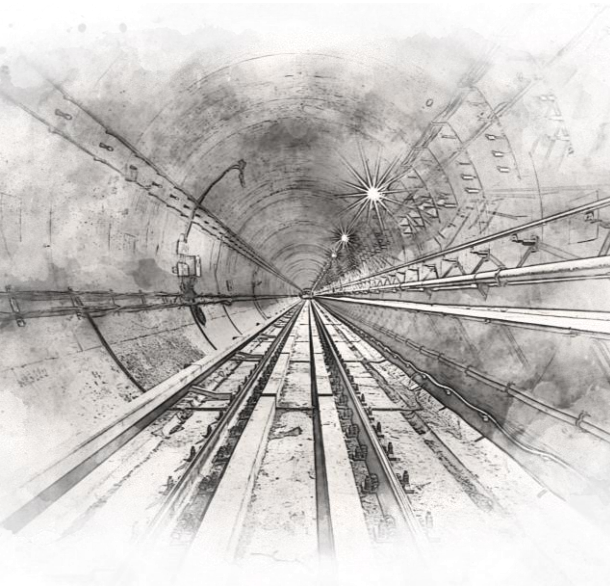


Ahmedabad Metro Phase-1, UG Metro

CLIENT: Gujarat Metro Rail Corporation (GMRC) Limited

CONSULTANT: MEGA-GEC (SYSTRA-
RITES-OCG-AECOM)

SCOPE: Design and construction of underground stations and tunnel comprising of east ramp, twin bored underground Tunnel between east ramp and Kalupur metro station; all cut and cover portion, and, two underground stations Kankaria east and Kalupur for Ahmedabad Metro Project Phase-1.





Barakhamba Metro Station, New Delhi, India

CLIENT:
Delhi Metro Rail Corporation (DMRC)

CONSULTANT:
Systra (client consultant)

SCOPE:
Underground Metro station including tunnelling using TBM.

Afcons completed the project in record time of 22 months and became the first Indian company to construct the underground station and tunnel without foreign JV



Elevated Viaduct, New Delhi, India

CLIENT:

Delhi Metro Rail Corporation

CONSULTANT:

Shirish Patel & Associates

SCOPE:

Construction of elevated viaduct of length 4.9 km.

Afcons used specially designed launching trusses for the first time to erect precast segments to avoid traffic disruption in the national capital





MARINE & INDUSTRIAL

Select Projects

Dahej Jetty, Gujarat

Bulk Jetty, Port of Sohar, Oman

CLIENT: Sohar International Development Company LLC

SCOPE:

EPC of bulk jetty, approach trestle, mooring and dolphin structures in JV with Saipem, France/Italy

One of world's deepest ports, this jetty is used to import iron ore for Vale (Brazil)



New Owendo International Port, Gabon

CLIENT: GSEZ – Special Economic Zone – Port

CONSULTANT: Royal Haskoning, Netherlands

SCOPE:

EPC of General Cargo Terminal, consisting of 420m main berth, back up yard and other land facilities

Afcons completed the project in record time of 18 months. It is the fastest port project to be completed in West Africa

Wharf And Approach Trestle Works Phase 1 of Fourth Container Terminal, JNPT

CLIENT: Bharat Mumbai Container Terminal Pvt. Ltd (BMCT)

SCOPE:

Wharf 1000m X 61m (5 modules each 200m length) & Approach Trestles (5 each 97m long)

India's longest jetty and largest container terminal



LNG Jetty, Kochi, India

CLIENT: Petronet LNG Ltd.

CONSULTANT: Whesoe Oil and Gas Ltd, UK

SCOPE: EPC of LNG offloading jetty.

Project awarded for achieving 9 million safe man hours



SURFACE TRANSPORT

Select Projects



Mandovi Bridge, Goa

Agra Lucknow Expressway Project, UP, India

CLIENT: Uttar Pradesh Expressway Industrial Development Authority (Upeida)

SCOPE: EPC for 126km of the 302-km six-lane access-controlled expressway, which is India's longest; 6 major bridges including Ganga Bridge completed in just 18 months; 58 pedestrian underpasses, 4 rail over bridges, 8 flyovers, 29 minor bridges, 23 vehicular underpasses.

Afcons completed the 36-month project in record time of 22 months



Jammu Udhampur Highway Project (Four-laning of NH-1A, J&K, India)

CLIENT: National Highway Authority of India (NHAI)

CONSULTANT: CES, India

SCOPE: Four laning of NH-1A connecting Jammu and Udhampur. The highway connects Jalandhar, Punjab, to Uri, J&K, passes through Pathankot, Jammu, Udhampur, Banihal, Srinagar and Uri.

- Fastest hill-road project completion in NHAI's history
- Afcons completed this job ahead of schedule

Jewel of Creek Development, Dubai

CLIENT:

Roads & Transport Authority (RTA), UAE

SCOPE:

The Jewel of Creek Development is a prestigious project in the heart of Dubai. It involves construction of roads and underpasses on the busy Baniyas Road and Itihad Road to provide access to the Jewel of Creek development, a landmark architectural masterpiece on the shores of Dubai Creek.



Lusaka City Roads Decongestion Project, Zambia

CLIENT:

Ministry of Local Government and Housing, Zambia

SCOPE:

Construction, rehabilitation and widening of 91 km roads in Lusaka City, 29 km roads with dedicated bus lanes for Bus Rapid Transit (BRT) and improvement of 9 junctions along with 4 new flyovers

First-of-its-kind project in the country, completed six months ahead of schedule

Samruddhi Mahamarg Package-2

CLIENT: Maharashtra State Road Transport Corporation (MSRDC)

CONSULTANT: SAI SYSTRA

SCOPE: Construction of access-controlled Nagpur – Mumbai Super Communication Expressway (Maharashtra Samruddhi Mahamarg) on EPC mode for Package - 02, in Wardha district, Maharashtra

- First package to be completed before time
- Fastest PQC completion among all 16 packages
- 58.4km stretch with more than 200 structures, including over 30 bridges and 2 wildlife underpasses
- India's widest wildlife overpass



Mahatma Gandhi Setu, Bihar, India

CLIENT: Ministry of Road Transport & Highways (MoRTH)

SCOPE: Dismantling of existing concrete superstructure of 5.575 Km long, 4-lane, MG Setu over Ganga River, and replacing it with simply supported steel through truss superstructure, including design work

This is India's longest steel bridge. For the first time in India, a superstructure of a balanced cantilever bridge has been replaced with a simply-supported superstructure. 66,360MT steel used in the new superstructure. The complete bridge has been opened for traffic since June 2022.

Chenab Rail Bridge, J&K, India

CLIENT: Konkan Railway Corporation Ltd (KRCL)

SCOPE: Construction of single arch railway bridge over the River Chenab on the strategic railway line connecting Baramulla to Udhampur.

One of the toughest Bridge works undertaken in India, due to geological and engineering considerations and first bridge designed for blast load. On completion, it will be world's highest single-arch railway bridge

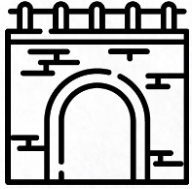


Tema to Mpakadan Railway Project, Ghana

CLIENT: Ghana Railway Development Authority (GRDA)

SCOPE: 97.68-km standard gauge from Port of Tema to Mpakadan to redress disparity between modes of transport for long-distance transit and domestic freight movements from Accra/Tema region northwards and vice versa.

Largest Railway Project in Ghana, includes longest railway bridge in Ghana over Lake Volta



HYDRO & UNDERGROUND

Select Projects

KRCL Tunnel, Jammu & Kashmir

Atal Tunnel, Rohtang, India

CLIENT: Border Roads Organisation (BRO)

CONSULTANT: SMEC International Pvt. Ltd.

SCOPE: Construction of 8.8-km tunnel below Rohtang Pass in JV with Strabag SE, Austria.

World's longest highway tunnel 10,000ft above sea level in Manali, Himachal Pradesh. It will reduce distance between Kulu and Lahaul by 48 kms and travel time by four hours



B.G. Single Line Tunnels on Katra-Laole Section of Udhampur-Srinagar-Baramulla Rail Link (USBRL) Project, Jammu & Kashmir, India (Ongoing)

CLIENT: Konkan Railway Corporation Ltd. (KRCL) and IRCON International Ltd.

SCOPE: Afcons is building five Broad Gauge (including T74R-A, T74R-B, KRCL Tunnel and T49) Single Line Tunnels as part of the ambitious Udhampur-Srinagar-Baramulla Rail Link Project in tough terrain; first Indian company to daylight tunnels in this section



Annaram Barrage, Telangana, India

CLIENT: I & CAD department, Government of Telangana

SCOPE: Construction of 1270m long barrage across River Godavari with 66 radial gates of size 15m x 12.3m.

In its maiden entry into the Dam/Barrage segment, Afcons has achieved a rare distinction of over 1 lac cum concrete pumping in a single month at the Annaram Barrage project, in Telangana. The company set another benchmark when it placed 4300 cum of concrete in a single day



Water supply pipeline project, Tanzania

CLIENT: Ministry of Water & Irrigation, Tanzania

SCOPE: Extension of the Lake Victoria pipeline water supply project to Tabora, Nzega, and, Igunga towns including pipeline work, storage tanks, electro-mechanical & electrical and instrumentation works, etc.

About 500km pipeline (dia. 900 – 75mm) to carry fresh drinking water comprising of gravity transmission main & distribution network of MS/DI/UPVC pipelines



Samruddhi Mahamarg Package-14 (Ongoing)

CLIENT: Maharashtra State Road Development Corporation Limited (MSRDC)

SCOPE: Construction of access-controlled Nagpur - Mumbai Super Communication Expressway on EPC mode for construction of Package- 4, in lagtpuri, Maharashtra

- The project contains 7.7km-long, twin tunnels are Maharashtra's longest and India's widest (17.61m wide) road tunnels. The tunnelling was completed in a record time of 2 years
- The project also contains 2 viaducts and 1 interchange



Chalinze Water Supply Project, Tanzania (Ongoing)

CLIENT: Dar-Es-Salaam Water and Sewerage Authority, Tanzania (DAWASA)

CONSULTANT: Wapcos Limited, New Delhi

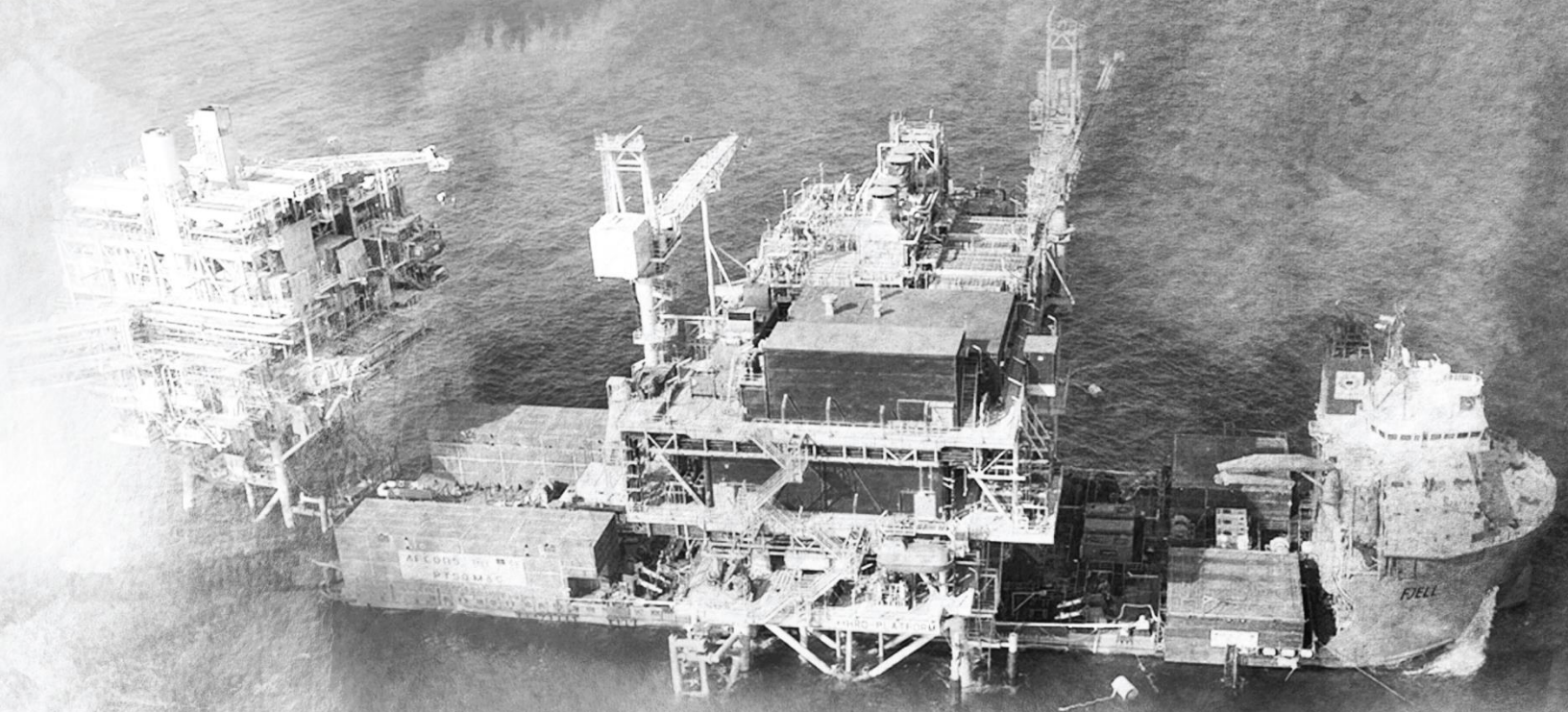
SCOPE: Completion of Balance Works for Rehabilitation of the Chalinze Water Treatment Plant, Supply and Installation of Secondary and Tertiary Distribution Network and Construction of Reservoir in Chalinze villages Tanzania

About 195km pipeline laying (HDPE, DI, MS),
351 Kiosks, 18 reservoirs (50-2000 cum capacity), supply &
erection of transformers and pumps



OIL & GAS (OFFSHORE & ONSHORE)

Select Projects



HRD Process Platform, Mumbai High

ICP-R Process Platform, India

CLIENT: Oil & Natural Gas Corporation (ONGC)

SCOPE: EPC of four-legged offshore process platform; with JV partner Gunanusa, Indonesia.

First job done by Afcons in offshore Oil & Gas segment; project completed in record time



HRD Process Platform, India

CLIENT: Oil & Natural Gas Corporation (ONGC)

SCOPE: EPC of entire facility; bridge connected HRC Process Complex and HRD; relocation of existing cable; modification of three Existing platforms; executed by consortium led by Afcons and comprising Technip KT India and THHE Malaysia.

First Indian EPC contractor to install an offshore process platform using floatover technology on time

HRD Process Platform, India

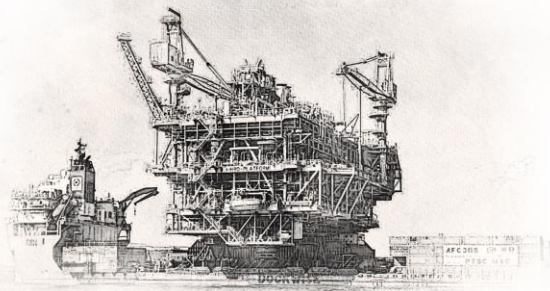
CLIENT:

Oil & Natural Gas Corporation (ONGC)

SCOPE:

EPC of entire facility; bridge connected HRC Process Complex and HRD; relocation of existing cable; modification of three Existing platforms; executed by consortium led by Afcons and comprising Technip KT India and THHE Malaysia.

First Indian EPC contractor to install an offshore process platform using floatover technology on time



CLIENTELE

MARINE WORKS



TRANSPORTATION (HIGHWAYS, METRO, FLYOVERS & BRIDGES)



CLIENTELE

OIL & GAS



HYDRO & POWER



OTHERS





Afcons Infrastructure Limited,

Corporate Identification No: U45200MH1976PLC019335,

Regd Office: Afcons House, 16, Shah Industrial Estate, Veera Desai Road,
Azadnagar, Andheri (W), Mumbai – 400053, India



+91-22-6719 1000



+91-22-2673 0047/ 2673 0026



www.afcons.com