

June 2016

# Connect

**Conversation with**  
**Mr. S.K.Lohia,**  
**CEO, IRSDC**



**Indian Green Building Council and CII lauds Egis for supporting Green Building Movement in India**

**Egis wins two major projects:**  
**GC of Nagpur Metro and**  
**PDMC of AMRUT, MP**



**Egis News**  
**from**  
**around**  
**the world**

**Green Apple Award**  
**for Egis from**  
**The Green**  
**Organization ,**  
**United Kingdom**



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## Conversation

**Mr. S.K.Lohia (SKL),  
CEO, IRSDC  
in conversation with Connect**

IRSDC is working on transforming the railway stations in India and once ready, the passengers would be able to avail of global standard services and enjoy the experience of travel.

Mr. S.K. Lohia, CEO, IRSDC, in Conversation with Connect on the plans he and his company has for the future in this area.

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### What according to you is the potential of the railway stations

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**SKL:** Railway stations are so far used only for transportation. There is a huge potential for land monetisation which is not tapped so far. My intention is unlock this huge potential and use the funds generated to offer world class travel to railway passengers across India.

We want to create something similar to redeveloped airports where in international standard facilities are available to the passengers and the travelling experience is fun instead of drudgery.

Since the passengers at railway stations are huge and many times more than at the airports, I am very hopeful that it

would capture the attention of the advertisers as well. I am hoping that the stations could be used for advertising and promotion activities and the revenue generated from it could be used to fund the betterment of the commuters experience.

These stations will be 'Smart Stations' which in the future will be integral part of the Smart Cities of the future.

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### What are the challenges or hurdles you see in implementation of your vision?

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**SKL:** The projects we are working on or planning to work on will take a lot of time and investments. And since there is no precedence for us, it is a big challenge to have the vision translated into reality and make them financially viable. I want to focus on the concept of Passenger Delight

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### Would you like to share details about the projects - ongoing and planned

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There is a station redevelopment project we are undertaking at Surat which is a unique project with partnership of all levels of governments. There are more

than 28 companies from all over the world who have expressed their interest to partner us in the project.

The size of the project is estimated at INR 3,200 crore. Out of this amount, INR 600 crore will be spent on facility development by the developer in the first three years of its initiation.

The commercial development would be to the tune of INR 2,600 crore. The project would have five state-of-the-art 61-storey towers on 2.64 lakh square meter of land belonging to Indian Railways, Gujarat State Road Transport Corporation (GSRTC) and Surat Municipal Corporation (SMC).

Redevelopment on the existing 1.66 lakh square meter of land of railway station would also take place along side as a part of the project. The project will allow 100 per cent FDI. SMC will provide 4 Floor Space Index without charge to developer either on a 45 or 90-year lease for the land.

The reasons why this project is very close to my heart is that it has the potential to completely change the face of Surat and also be the model for future projects to come.

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### How do you unwind after a hard day's work?

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Work is relaxation for me. I love what I do. I always feel that a relaxed mind enhances productivity and teamwork.

I enjoy cycling, yoga and swimming and devote a few hours of my day regularly in pursuit of these activities.



## Key Projects:

Anand Vihar  
Bijwasan  
Chandigarh  
Habibganj  
Shivaji Nagar  
Surat  
Mohali

## Egis wins two large projects in India

### Nagpur Metro

Nagpur Metro is an elevated corridor of 38.215 km comprising of both North-South Corridor

(Automotive Square to MIHAN) and East-West Corridor (Prajapati Nagar to Lokmanya Nagar) having a total of 36 Stations. The NS Corridor includes 17 Stations with 15 Elevated and 2 At-gate stations. The EW Corridor consists of 19 Elevated Stations.

#### Role of Egis:

To provide General Consultancy (GC) services for procurement, construction, testing and commissioning of complete Nagpur Metro Project including:

- All civil engineering structures
- Tracks
- Signals
- Telecom facilities
- Automatic Fare Collection
- Building Information Management
- Multimodal Integration
- Traction arrangements
- Overhead Catenary transmission
- Air conditioning & ventilation
- Rolling stock
- Car depots
- Stations
- Operation control centre
- Offices
- Station integration areas
- Bridges, flyovers, elevated and surface sections over the project routes
- Integration with other modes of transport etc

### MP AMRUT PDMC P-II

Egis is engaged by Directorate, Urban Administration & Development, Government of Madhya Pradesh as a Project Development and Management Consultant (PDMC) for various 17 towns across Madhya Pradesh. The broad objective is to overall Management, that includes planning, design, construction supervision, project management of various services like: (i) Water (ii) Wastewater (iii) Solid waste (iv) Transportation (v) Urban Planning & (vi) Associated IT activities.

#### Role of Egis:

The broad scope is: overall Management, that includes planning, design, construction supervision, project management of various services like: (i) Water (ii) Wastewater (iii) Solid waste (iv) Transportation (v) Urban Planning & (vi) Associated IT activities  
Scope under the Assignment & Implementation Arrangements

This shall contain the followings:

- I. Survey & Investigations
- II. Feasibility Studies
- III. Detailed Design
- IV. Bid documents
- V. Assistance in Bid processing
- VI. Construction Supervision
- VII. Contract Management
- VIII. Overall Project Management

## Indian Green Building Council and CII lauds Egis

Egis was recently felicitated for supporting India Green Building Council in spear-heading the Green Building Movement in India.

Indian Green Building Council acknowledged the efforts of Egis and honored the Company as a Green Champion for making profound and positive impact to

Planet Earth.

A Memento was presented to Egis for the same.

Egis in India team would like to take this opportunity to thank India Green Building Council and CII for this prestigious recognition.



Some Green Building Projects of Egis in India:

- ASF Grand Canyon
- ASF Black Canyon
- ASF Kings Canyon
- NASSCOM Head Quarter Office
- Inter Ocean Corporate Office
- Thapar University Library Building

## The Green Organization chooses Egis for the 'Green Apple' Award

Sustainable development is at the core of all activities at Egis.

This award recognises Egis's contribution towards Environmental benefit, innovation, social benefit and economic benefit for the Chennai Metro Rail Project.

Team Egis is elated to receive this award





## Inauguration of the Izmit Bay Bridge and operation of the first section of the Gebze-Izmir motorway

The President Recep Tayyip Erdoğan, accompanied by the Prime Minister Ahmet Davutoglu and the Minister for Transport Yıldırım Akbulut, inaugurated the laying of the last segment of the Izmit Bay Bridge, the first section of the Gebze-Orhangazi-Izmir toll road. The section adjacent to the bridge (40 km between the bridge and Orhangasi) was also inaugurated and opened to toll paying traffic, as of midnight April 22nd.

The operator for the full project is Gebze Izmir İşletme ve Bakım (GIIB), 50% subsidiary of Egis Road Operation, in partnership with the project concessionaire Otoyol (50%).

The 40km section open to the public includes management of the Orhangazi Samanlı (3591 meter) tunnel which is today the longest tunnel in operation in Turkey. The opened section also includes 3 toll plazas in addition to an operations centre in Altinova.

In 2018 the Gebze-Izmir motorway will include the operation by GIIB of 420 kilometres of motorway, 33 viaducts, 3 bi directional tunnels, 17 rest/service areas and 187 overhead bridges. This project is the largest motorway operation managed by a subsidiary of the Egis Group.



The Izmit Bridge, renamed for the opening Osman Gazi Bridge, name of the founder of the Ottoman Empire, is a 3,3 kilometre suspended bridge with a central span of 1550 meters, the 4th longest span in the world for this type of bridge. Opening of the Osman Gazi Bridge to traffic is planned for June 2016. Successful openings of others sections of the 420km motorway from Gebze to Izmir will continue into 2018.

GIIB already today has a team of 160 people for this first phase. In total project operation mode this number will reach 900.

This project confirms Egis' position as a world leader in the operation of motorways and tolled motorway structures. Egis Road Operation has a strong presence in Turkey.

Egis Tünel İşletmeciliği, a fully owned

subsidiary of Egis Road Operation, will be the operator of the Duplex toll tunnel which will run under the Bosphorus, it is scheduled to be opened at the end of 2016.

Egis Road Operation is also involved with the future operation of the 3rd bridge over the Bosphorus and the adjacent motorway network, opening to traffic is scheduled for commencement in the 2nd half of 2016.

## Egypt: Line 3 of Cairo city metro

Egis deploys its heavy urban metro system engineering capabilities for phase 3 of Cairo metro line 3, within a Franco-Egyptian consortium.

The consortium, made up of the French engineering firms Systra (lead contractor) and Egis, together with the Egyptian design consultancies ACE and EHAF, has been awarded an assignment as General Consultant for phase 3 of the third line of the Cairo metro system, comprising final design review and construction supervision up to handover.

With a population likely to grow to 20 million inhabitants between now and 2022, Cairo is one of the largest cities in the world. The Egyptian government was prompt to recognise the strategic importance of developing an efficient transport networks covering the metropolitan region.

Line 3 was commenced in 2007, adding

to Cairo's transport service offer (previously with two metro lines in operation), and giving fresh impetus to the metro network. The new line will connect the two banks of the Nile and will provide relief to one of the most congested thoroughfares of the city.

Featuring two branches (splitting apart on the west bank side of the city), the completed line will run a total of 43.5 km from Cairo Airport in the north east to Rod El-Faraq in the north and the University in the south. It will travel through the city centre and beneath the Nile, and 23 of its 33 stations will be built underground.

A metro line built in 4 phases

The construction of line 3 of the metro has been scheduled in 4 phases.

Phase 1, on which service commenced in 2012, is the central stretch, running underground and calling at 5 stations between Attaba and Abbasia.

Phase 2 runs 7.8 km between Abbasia station and Haround El Rashied, including 4 km underground. Between Abassia and the Cairo Fair, contractors use tunnel boring machines (TBMs) to excavate tunnels of an outer diameter of 9.15 m and an inner diameter of 8.35, enabling trains to pass each other. From the Cairo Fair to El Ahram, earth pressure boring machines (EPBM) are used.

Phase 3 (to which the contract relates) extends line 3 westwards from Abbassa. After crossing under the Nile, the line will split into two branches to serve both north and south districts of the west bank. This phase comprises 15 stations

and is a total of 18 km long. Most of it will run underground (10 km) with some elevated sections (6 km). The majority of phase 3 will use TBMs (in particular underneath the Nile) but its westernmost parts will include a cut-and-cover section and also an elevated section.

Phase 4 will extend the line from Haround El Rashied to Cairo Airport.

Acknowledgement of metro expertise

Worth approximately €60 million, the contract entails firstly the review of shop drawings and secondly the supervision of construction work including scheduling, planning and supervision, the coordination of various contributors, works monitoring and commissioning.

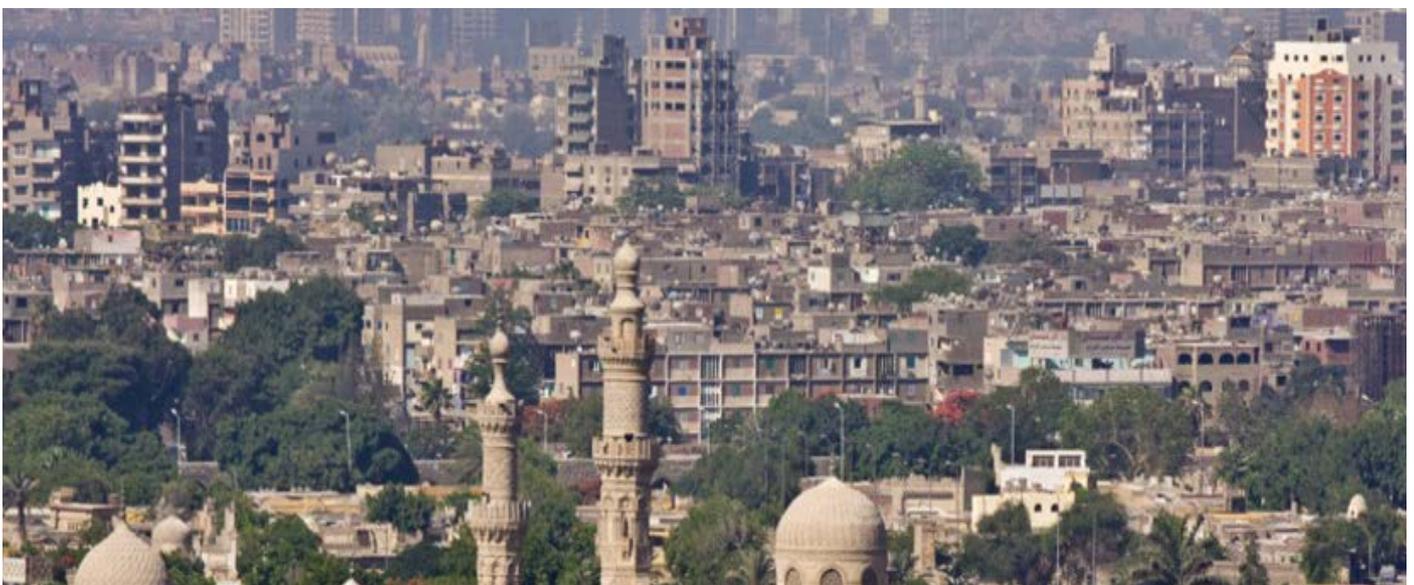
This General Consultant assignment will be carried out by a multi-disciplinary team proficient in Civil Engineering and Plant and Equipment issues, including in the procurement of new trains.

Scheduled to last 8 years, this phase 3 will draw on the work of Egis teams spe-

cialising in metro Systems. With this new contract, Egis has once again demonstrated its extensive involvement in major transport projects all over the world, most notably in large metropolitan areas with particularly intensive ridership.

## Key Figures

**Length: 43.3 km**  
**Underground: 30.2 km**  
**Number of stations: 33**  
**(including 23 underground)**  
**Passengers/day (2022):**  
**2.7 M**



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