

4th Anniversary Issue

EGIS and IOSIS give birth to a single group with an atypical Capital Structure

EGIS, engineering and infrastructure leader, and IOSIS, construction and civil nuclear engineering leader, have joined forces to create a single construction engineering group with effect from 1st January 2011 in line with the organization's objective of one point engineering solutions against a backdrop of international competition.

"Since our clients expect international know-how in construction engineering, we have decided to join forces to create a single group with an atypical capital structure," said Nicolas Jachiet, Egis's CEO.

With this consolidation, Egis would offer its engineering services on local and international scale in urban development, embracing both buildings and transport infrastructure. It will be an internationally recognized bidder for major transport and civil engineering projects. It will also bring together top-end expertise in the fields of water, environment and landscaping.

The new group has a workforce of approximately 10,000 employees (Dec 2010), including 6,700 engineers, and projected revenue of over €815 million, of which 50% is generated outside France in over 100 countries.



AN ATYPICAL CAPITAL STRUCTURE

The adopted Capital Structure allows executives & employees to hold a significant stake alongside Caisse des Dépôts, in EGIS, atypical in the engineering sector. IOSIS Partenarities (a dedicated company with shares for top executives of the two companies, the "Partners" & a block of shares offered to shareholders) will hold 23% of the capital and the balance will be held by Caisse des Dépôts.

Zoom on NVDA

Name of the project: Consultancy Services for identification, survey, preparation of detailed project reports & detailed estimates of balance medium and minor project in Narmada Basin (Group B).

Name of Client: Narmada Valley Development Authority

Duration: 35 months (October 28, 2009 to Sep2012)

Funding Agency: Govt. of Madhya Pradesh

Contact: vyas.gc@egis-india.com/vinay.k@egis-india.com



Narmada River is known as the "Life Line" of Madhya Pradesh. It runs for about 1112 km in the State of Madhya Pradesh and 87% of Basin lies in Madhya Pradesh. Narmada Valley Development Department (NVDA) an organization of Government of Madhya Pradesh is implementing an ambitious programme of utilization of 18.25 MAF of water (at 75 percent dependability) allocated by Narmada Waters Disputes Tribunal (NWDT).

A joint venture of Egis India and RMSI Pvt Ltd, "EGIS RMSI JV" with Egis-India as lead partner, is responsible for carrying out the consultancy assignment on creating irrigation potential of 1,60,00 ha CCA through identification, survey preparation of DPRs and detailed estimates of medium and minor irrigation projects in Lower Narmada Basin falling in the districts of Khargone, Dhar, Alirajpur, Badwani and a part of Indore and Khandwa. Total geographical area covered under the project is 20,339 km² (29 Sub-basin) from Omkareshwar Dam site to Gujarat State Boundary.

Salient feature of the project:

- * To conduct techno-economic feasibility, detailed survey, geo-tech investigations and DPR including detailed design & estimates. About 857 schemes covering medium, minor, micro-minor, and storage tanks are planned.
- * Preparation of customized GIS application for user friendly operation and training to the client officials
- * Base work for Water Users Associations
- * Use of Advanced/ Modern Technologies for :
 - Use of DGPS survey for establishing about 4500 permanent benchmarks in the project area.
 - Application of Remote Sensing and GIS High resolution (0.5 m) stereo pair satellite data
 - To prepare DEM/DTM and generate contours of 1-2 m contour interval for the whole project area and 0.5 m contour interval for basin & command area of the proposed schemes
 - Land use land cover and other feature extraction,
 - Spatial database creation for the project area



These projects would stabilize irrigation in drought prone areas benefitting tribals and ST/SC population. Design office at Bhopal and field offices at Khargaon and Dhar set-up by Egis and RMSI's Dehradun & Noida office are contributing in timely completion of assignment.



On the occasion of inauguration of KSTP-I, the honorable PWD Minister, Mr. M Vijay Kumar presented a memento to Egis India for their contribution as Supervision Consultants of the project. Mr. Rama Chandran, our acting TL, accepted the memento on behalf of Egis India

With great pleasure we release 4th Anniversary Issue of Patrika & take the opportunity to thank all of you for your continued support and contributions. While India is euphoric on achieving the Cricket World Cup, we have our piece of good news as Egis India gets recognized for its contribution as Supervision Consultants for the KSTP-1 project. Our heartiest congratulations to the entire team and we continue to prepare for an exciting future with KSHIP & NCRMP projects on final stages of agreement.

At Group level, Egis & IOSIS alliance comes into effect and we form a single Construction Engineering giant, listed among top 20 International groups worldwide, which finds its due place as our cover story.

We Zoom on NVDA project and also bring you a glimpse of Family Day fun & celebrations at Corporate office & Hyderabad RO in addition to the colours of Holi

Feel free to send your valuable suggestions to us at patrika@egis-india.com

EDITO

IN THIS ISSUE

- Edito p.1
- News p.2
- The Word of p.3
- Tools & Techniques p.4
- Life of the Company p.5

New Projects Won

Name of the project: Consultancy Services for preparation of Preliminary Feasibility Report for Vijayawada city, in the state of Andhra Pradesh.

Name of Client: VGTM Urban Development Authority

Duration: 1 week

Funding Agency: VGTM Urban Development Authority

Contact: YVV Pattabhiram (pattabhi.y@egis-india.com)

The objective of this assignment is to study the various options for providing the ring road bypass to Vijayawada City on NH-5 and finalise the most appropriate alignment in consultation with the Client.

The section of NH-5 forming part of project corridor passes through Vijayawada City.

The terminating point of city limits at Km 1243+300 is near Nidamanuru. Traffic flowing between this point and Tadepalli has to pass through thickly developed areas of Vijayawada City, using existing 4-Lane NH-5 Road. Due to traffic congestion freight movement in this section will be very difficult in the future. This necessitates the identification of bypass to the existing NH-5.

The present scope of study includes the desk top study to identify the various options for the western bypass.



Name of the project: "Pre Tender Engineering (Technical) Studies for Two laning of Kota - Jhalawar section of NH-12 from Km 256+550 to Km 346+539 in the state of Rajasthan under NHDP III on Design, Build, Finance and Operate (DBFOT) Annuity Basis"



Name of Client: Welspun Projects Ltd

Duration: 20 days

Funding Agency: Welspun Projects Ltd

Contact: YVV Pattabhiram (pattabhi.y@egis-india.com)

NHAI has decided to undertake the two laning of Kota - Jhalwar section of NH-12 from Km 256+550 to Km 346+539 a total length of 89.898 kms in the state of Tamil Nadu under NHDP III on Public Private Partnership (PPP) Basis.

Egis India has been engaged for pre-bid technical assistance. The scope of services includes secondary data collection, review of RFP /available reports, site reconnaissance surveys, engineering surveys and material investigations, traffic

Survey, review of availability of ROW, land acquisition related issues, Preliminary design of pavement and structures, preparation of Quantity Estimates, Cost Estimates, review the maintenance requirements and estimate the O & M expenditures.

Name of the project: Innovative 4-Laning Project in Gujarat (Rajkot Bhavnagar).

Name of Client: L&T IDPL

Duration: 6 weeks

Funding Agency: L&T IDPL

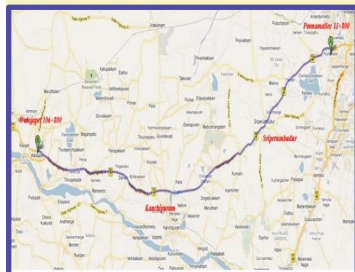
Contact: Abhilash Singh (abhilash.s@egis-india.com)

During the Vibrant Gujarat Investors Global Summit 2011, L&T inked MoUs for the four-laning development of State Highway, based on an innovative project concept.

L&T IDPL awarded the services to Egis to propose Innovative Highway Project Concept and preparation of Conceptual High Level Design. Services is focusing on i) Carbon Emission Control, ii) Rainwater Harvesting, iii) Energy Harvesting, iv) Intelligent Route and v) Commercial Activity along / around the corridor.



Name of the project: Pre-bid Advisory (Engineering & Traffic) services for Six Laning of NH-4 from Walajahpet to Poonamallee (Km 106+800 to Km 13+800 approx, length 93.0 Kms) in the state of Tamil Nadu under NHDP Phase V to be executed as DBFOT (Toll) Project.



Name of Client: Welspun Projects Ltd

Duration: 20 days

Funding Agency: Welspun Projects Ltd

Contact: YVV Pattabhiram (pattabhi.y@egis-india.com)

NHAI has decided to undertake the Six Laning of NH-4 from Walajahpet to Poonamallee (Km 106+800 to Km 13+80 approx, length 93.0 Kms) in the state of Tamil Nadu.

The Consortium of Welspun Projects Limited (Client) has engaged M/s Egis India consulting Engineers Pvt. Ltd. (Consultant) for Pre-Bid technical assistance to the concessionaire.

Name of the project: Consultation Service for Preparation of Detailed Project report for Rehabilitation and Up-gradation of Aurangabad-Yedeshi Section of NH-211 under Phase IV A&B in the state of Maharashtra.

Name of Client: National Highways Authority of India

Duration: 10 months

Funding Agency: National Highways Authority of India

Contact: Avadesh Singh (avadesh.s@egis-india.com)

The main objective of the consultancy of to establish the technical, economical & financial viability of the project and prepare detailed project reports for rehabilitation & up-gradation to 2-lane with paved shoulders configuration with provision of capacity augmentation.



➤ **Name of the project:** Pre Engineering of Four Laning of Shivpuri - Dewas Section of NH-3 (from Km 235.360 to Km 577.500) in the State of Madhya Pradesh under NHDP Phase IV Project through PPP on DBFOT basis.



Name of Client: Leighton Oriental Jv
Duration: 6 weeks
Funding Agency: Leighton Oriental Jv
Contact: YVV Pattabhiram (pattabhi.y@egis-india.com)

NHAI has decided to undertake the Four Laning of NH-3 from Shivpuri to Dewas (Km 235+360 to Km 577+500) in the state of Madhya Pradesh. The Consortium of Leighton-Oriental (Client) has engaged M/s Egis India consulting Engineers Pvt. Ltd. (Consultant) for Pre-Bid technical assistance to the concessionaire.

➤ **Name of the project:** Traffic Analysis, Tolling Strategies & Revenue Analysis for 2 nos. Toll Plaza Location of Raipur-Aurang Project Section of NH-6 on behalf of M/s Raipur Expressways Limited.

Name of Client: DSC Ltd.
Duration: 1.5 weeks
Funding Agency: DSC Ltd.

Contact: Sudhendra K Karanam (sudhendra.k@egis-india.com)

Raipur Expressways Ltd. (REL), an SPV promoted by DSC Ltd, has signed a Concession Agreement with the National Highways Authority of India (NHAI) to strengthen and widen the existing 2-lane undivided section of NH6 between Raipur and Aurang in the State of Chattisgarh (the Project Road) to 4-lane divided carriageway configuration on a BOT basis (the Project). The consultant's services include Traffic Analysis, Tolling Strategies & Revenue analysis for 2 nos. Toll Plaza Location of Raipur-Aurang Project section of NH-6 (from Km 239.000 to Km 282.000, Total Length 43.465 km) on Behalf of M/s Raipur Expressways Ltd.



➤ **Name of the project:** Additional Assignment for Beawar-Pali-Pindwara section of NH-14 including additional OD surveys.



Name of Client: Gammon Infrastructure Projects Limited
Duration: 4 weeks
Funding Agency: Gammon Infrastructure Projects Limited
Contact: Sudhendra K Karanam (sudhendra.k@egis-india.com)

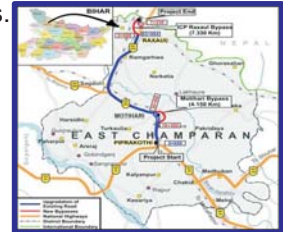
The project corridor from Beawar-Pali-Pindwara, a section of NH-14, is one of the important National Highway corridors connecting ports of Gujarat to the north India. NHAI has decided to widen the existing 2-Lane BeawarPaliPindwara section to 4-Lane carriageway on BOT (toll) on DBFO pattern under NHDP Phase-III. The objectives of the

study are achieved through careful identification, collection and analysis of various data pertaining to traffic, socio-economic characteristics, developmental proposals, potential for growth etc. Secondary data has been collected from various sources including internet.

➤ **Name of the project:** Consultancy Services for Detailed Design for "Upgradation of existing NH-28A from Km 0.600 to Km 62.064 (Piprakoti-Motihari-Raxaul Road) to 2-Lane with paved shoulder including construction of 2-Lane link road to ICP, Raxaul (7.33 km length) in the state of Bihar on BOT (Toll) basis.

Name of Client: Tantia Raxaultollways Private Limited
Duration: 5 months
Funding Agency: Tantia Raxaultollways Private Limited
Contact: Vishwanath Jagid (vishwanath.j@egis-india.com)

The National Highway Authority of India (NHAI) has taken-up to enhance the capacity of Piprakoti-Motihari-Raxaul section of NH 28A under BOT, for efficient and safe movement of freight and passenger traffic.



The project comprise up-gradation of Piprakoti-Motihari-Raxaul road, a section of NH-28A from km 0.650 to km 62.064 including construction of link road to ICP Raxaul (7.33 km length) in the state of Bihar to two lane with paved shoulder standard including new structures, widening and rehabilitation of bridges and culverts, toll plaza, bus bays etc. with realignment and bypasses at congested location. The study involves detailed design of the project corridor as per the concession agreement provisions and traffic assessment and revenue projections.

Dr. Sudesh Kaul

General Manager (Social)
Date of Joining: 01 September 2009

Dr. Sudesh Kaul joined Egis India in Sep 2009 as the General Manager Social. Earlier, he was also associated with us as a Consultant. He is highly knowledgeable in his field and has worked extensively in the field of Social Development, Land Acquisition, Public Consultation, Resettlement & Rehabilitation. At Egis, he leads the Social & Environment wing and provides

his expert technical inputs for all our sectors. He has been a part of the team for many of our prestigious Projects.

On the personal front, Dr Kaul is very energetic and enthuses positive vibes wherever he goes. His friendly and outgoing nature makes him immensely popular among the staff.

In his own words "I feel extremely proud to be a part of Egis family. The one thing I like most about Egis is its working culture which allows autonomy of operations & freedom of work.



I thoroughly enjoy my work at Egis. I also feel that my learning continues as I take on the new challenges here"



Mr Pierre PREUMONT takes charge as Project Director For Chennai Metro Rail Project in place of Mr. Andre Marchand



Mr. C. Ramlal takes over as Regional Director (South)

NIGHT TIME CONSTRUCTION

Increasing traffic volume on many highways is making it more difficult to perform day time construction. Night work reduces traffic impact because of lower volumes, but reduced visibility and higher speeds can add risk. That's why it is so important to "get it right at night." The decision to work at night must be based on careful consideration of the nature of work, roadway characteristics, traffic conditions, and impacts such as glare and noise on communities. Safe and productive night work requires night-time operations planning, competent control supervision, effective retro reflective signs.



Channelizing devices, glare-free work lighting, competent flaggers, high-vis worker apparel, and warning lights and retro reflective tape on all vehicles and equipment. Night work zones must be designed to address motorist behaviour and expectancy issues: reduced visibility, lower traffic volume resulting in higher speed, and driver and worker fatigue. Adequate sight distance is a must for motorists to perceive travel changes, workers, and equipment, and to safely adjust speed and direction.

Requirements for safe/efficient night-time construction:

- * Establish specific responsibilities for managing night-time maintenance and protection of traffic, including a full time traffic control supervisor and crew to constantly patrol the project.
- * Ensure night-time traffic control includes clean, legible, retro reflective signs, enhanced channelizing devices (drums, vertical panels and oversize cones); flashing warning lights at points of closure, at hazards, and on isolated warning signs; closer spacing of channelizing devices; flashing arrow boards at all lane closures; and enhanced flagger stations.
- * Ensure vehicles and equipment are equipped with rotating amber beacons and retro reflective tape. Haul trucks must have an orange retro reflective sign on the back ----"CONSTRUCTION VEHICLE - DO NOT FOLLOW".
- * Ensure workers' hard hats have reflective tape on all sides, and high visibility apparel that clearly distinguishes the wearer as a person.
- * Ensure proper illumination at all areas of general construction, where workers are on foot, at lane closures, at road closures, at traffic merges and lane shifts, at each flagger station, at staging areas, and at all maintenance and protection of traffic operations.

- By C.Kannan "Chief Engineer (Safety & Health)

Staff Joining between January to March

Corporate Office

Faridabad

- Bhuwan Chandra Pant, Senior Executive (Accounts), Finance & Administration
- A. Raja Sekar, Executive (DTP), Business Development
- Lekh Raj Sharma, General Manager (MEP), Urban Development & Architecture
- Shilpa Anand, Secretary (Business Development)
- Pushendra Singh, Assistant Manager (Administration), Finance & Administration
- Chandan Sinha, Assistant Planner, Urban Development & Architecture
- Rajeev Kumar Gupta, Senior General Manager, Roads & Highways
- Suresh Lekhray Chawla, Senior CAD Draughtsman, Urban Development & Architecture
- Ashoka Kumar Jali, Assistant Engineer (Pavement & Material), Roads & Highways
- Vishal Chhibber, Senior CAD Draughtsperson, Urban Development & Architecture
- Deepak Kumar Rai, Engineer (Electrical), Urban Development & Architecture
- Gaurav Sharma, Senior Engineer (Water & Sanitation), Water and Sanitation
- Rajiv Mishra, Associate General Manager (Project Management), Roads & Highways
- Manohar Lal Arora, Consultant (Contracts), Roads & Highways
- Neeraj Sharma, Deputy General Manager, Bridges & Structures

Hyderabad

- Vijesh TP, Junior CAD Draughtsperson, Roads & Highways
- M. Swaroopa Rani, CAD Draughtsperson, Bridges & Structures
- Girish Kumar Badilanka, Transport Planner, Roads & Highways
- M. Soujanya, Quantity Surveyor, Roads & Highways
- Sudheer Kumar Sagar D, Assistant Engineer (Highway Design), Roads & Highways
- Bhaskar Kumar Jutta, Senior Architect, Urban Development & Architecture
- N. Madhuraja, Senior Architectural Assistant, Urban Development & Architecture
- Nagarajna Poluri, Assistant Engineer (Structures), Bridges & Structures
- Jameer Sayyad, Senior Engineer, Roads & Highways
- A. Radha Krishnaiah, Deputy General Manager, Roads & Highways
- Mani Pavani Mokkarala, Assistant Manager, Business Development

Chennai

- Puli Thirumalaiah, General Manager (Highway Designs), Roads & Highways

Gandhi Nagar

- Amit Singh, DTP Operator, Finance & Administration

Project Office

- Biswajit Sengupta, CAD Draughtsperson, Assam A8 Package
- Shailesh Kumar Singh, Assistant Highway Engineer, Ahmedabad Godhra Project
- Shah Hemal Indravadan, Senior Engineer, Ahmedabad Godhra Project

- Rajib Ghosh, Accountant, Ahmedabad-Viramgam-Maliya Road Project
- J. Jeena Prakash, Assistant Engineer (Cut & Cover), Chennai Metro Rail Project
- Venkatesh Periyaswamy, Senior Engineer-TBM, Chennai Metro Rail Project
- K. Pandi Murugan, Senior Engineer(Precast), Chennai Metro Rail Project
- N.Aravindan, Consultant (Chief Track Expert), Chennai Metro Rail Project
- G. Thirupathi Rajan, Surveyor, Chennai Metro Rail Project
- Vellai Samy S., Senior Engineer, Chennai Metro Rail Project
- Anand K., Assistant Manager, Chennai Metro Rail Project
- Raji Murugan, Senior Engineer, Chennai Metro Rail Project
- Thulasi Ram Koneti, Engineer (Cut & Cover), Chennai Metro Rail Project
- Biplab Chandra Dey, Office Manager, EW Corridor Project A-9, Assam
- Aparna Kulkarni Gowande, Transport Planner, GRMS Roll-Out on Entire State Road Network
- Bhavesh N. Patel, Assistant Bridge Engineer, GRMS Roll-Out on Entire State Road Network
- Vishal P. Rathod, Assistant Bridge Engineer, GRMS Roll-Out on Entire State Road Network
- Varun. M, Assistant Bridge Engineer, GRMS Roll- Out on Entire State Road Network
- Khushru Jamshed Solai, Database Administrator, GRMS Roll- Out on Entire State Road Network
- MP. Ashok Kumar, Laboratory Technician, Hyderabad Outer Ring Road
- Ashida A.G., Quality Control Engineer, Hyderabad Outer Ring Road
- Beera Giridhar, Assistant Quality cum Material Engineer IC Goa Project
- Megha Amey Ravinkar, Secretary cum Computer Operator, IC Goa Project
- Avinash Babu Gunnam, Office Manager cum Accountant, IC Goa Project
- P. Siva Shankar, Computer Operator, IC Project (AP-3)
- Manjunath Hegade, Computer Operator, JSYS Karnataka
- Matta Suneel Kumar, Cook, JSYS Karnataka
- Ganesh Kumar Pandey, Senior CAD Draughtsperson, NVDA Project
- Dinesh Kumar Tiwari, Junior Consultant (irrigation), NVDA Project
- Dhanesh Prasad, Assistant Design Engineer, NVDA Project
- Harish Kumar Garg, Consultant (Water and Sanitation), NVDA Project
- Krishnaji Gopi, Assistant Engineer (Water Supply & Environment), Orissa Integrated Improvement
- Prashant Garad, Field Engineer (Material), PMC Pune-Sholapur
- Ajeet Kumar Srivastava, Office Manager, SQC Consultancy for BRTS at Bhopal
- Manda Suryanarayana Murthy, Consultant (Highway Engineer), TN-5 Dindigul
- Vijay Kumar, Senior Engineer, Ahmedabad Godhra Project
- Samir Mukundbhai Bhavsar, Deputy General Manager, Ahmedabad Godhra Project

Trainee

- T. Suresh babu, Post Graduate Engineer Trainee (Water & Santation), NVDA Project

Family Day Celebration

Faridabad: Egis India Family Day was celebrated at Anandvan Greens in Faridabad on the 19th Feb 2011. Director- HR, Egis Group, Mr Frédéric Perin & Ms. Liliane Dupont, HR, Egis International who were here on an official visit extended their stay to join in for the celebrations. Activities like Treasure Hunt, Tambola, Ramp Walk, Antaksari drew great participation by all present at the picnic. Children were cheered by enthusiastic parents while they played memory and other games. A special Art competition was also organised for the children on this fun filled day.



Hyderabad: Egis India Family day at RO Hyderabad held on 12th March 2011 was a great team building event packed with fun events such as Love 20-20, Head to Head couple, Three Leg Race, Blind Bindi, Blind Chocolates hunt for children and Energy out Event Disco for Couples & families. For sport lovers the attractions were Cricket, T.T., Volley Ball and Billiards. Families enjoyed and had loads of fun at this much awaited event of the year.

Holi Celebration

Once again it was a colourful and enjoyable Holi at Egis India offices across locations. On the occasion numerous unrecognizable faces were spotted dressed in multi- shades & munching gujiyas between clouds of colours at a gathering in Corporate Office, Faridabad!



Congratulations!!!

Our heartiest congratulations to S.S. Poorna Kumar, PGET, Bridges & Structure, for receiving Gold Medal by securing 1st position in M. Tech Civil Engg (Structural) at NIT, Kurukshetra.



Library

Books:

- The High Performance Entrepreneur by Subrato Bagchi
- Limit State Design of Steel Structure by S.K. Duggal
- Build Cost Building Construction Cost Data; the Scientific Costing Guide
- Manual on Sewerage & Sewage Treatment by CPWD
- Electrical & Mechanical Services in High Rise Building Design Manual by AK Mittal.
- Environment & Pollution Laws by S.K. Mohanty
- Design & Practice handbook on Plumbing by Mohan & Anand
- Plumbing Design & Practice by SG Deolalikar
- Water Supply & Sanitary Engineering by Birdie & Birdie
- Fire Safety in Building by V.K. Jain
- Building a New India by APJ Kalam



Reference Book:

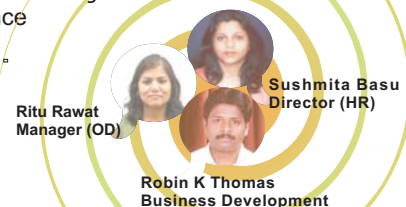
- Railways in India 2011; Report by India Infrastructure Research
- Railways Yearbook 2010-11
- Ports in India-2011; Report by India Infrastructure Research
- Plumbing Directory in India
- Energy Conservation Building Code 2007 by Ministry of Power
- International Fire Code 2006
- Power line Directory & Year Book 2010

Magazine:

- People Matters (Monthly Magazine)
- Leadership Excellence (Monthly Magazine)
- Labour Law Reporter (Monthly Magazine)
- Airport International (Monthly Magazine)
- India Today (Weekly Magazine)
- Urban Railways (Bi-Monthly Magazine)
- Project Info (Weekly Magazine)
- Indian Infrastructure (Monthly Magazine)
- Water Today (Bi-Monthly Magazine)
- Corporate Professional Today (Fortnightly Magazine)
- Infrastructure Today (Monthly Magazine)
- Indian Highways
- Highway Research Journal
- Highway Research Records
- Journal of Indian Roads & Congress
- Indian Journal of Finance
- Architectural Records
- JProject Today (online)
- CFO Magazine



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Egis India Patrika / April 2011