



GAMMON SPEAKS

VOLUME 01 • ISSUE NO. 1

THE QUARTERLY HOUSE MAGAZINE OF GAMMON INDIA LIMITED

Delhi's Signature Bridge:

An Engineering Delight



► Gammon Bags
Chennai Metro Contracts



**Gammon at
Kalpakkam**



GAMMON

Builders to the nation

Dear Colleagues,

Greetings to everyone of you!

This is the inaugural issue of Gammon Speaks, the quarterly in-house magazine of our organisation. An in-house magazine has a two-fold purpose. Firstly, it seeks to share key happenings about the organisation and its people with employees. Secondly, it provides a medium for employees to share views with colleagues while at the same time enabling people to use it as an outlet for their creative expression. This can be in the form of original ideas or experiences that each of us have had. Many a time, sharing of these leads to a collective gain for the

organisation. May I therefore urge you to please actively contribute and also provide feedback for continuously enhancing the quality and value of this magazine. The success of this medium will largely be a function of employee engagement. The publishing team is confident of eliciting an active response from all you and will respond constructively to all your inputs and suggestions.

This inaugural issue features an update on Signature Bridge in Delhi – a project that showcases Gammon’s technical excellence. It also has an interaction with Dr. Prabhat Kumar, Project Director of the upcoming Nuclear Power facility at Kalpakkam near Chennai. Other updates include those on the Chennai Metro

Project, the contract for which was recently bagged by our company. The issue also includes updates on cultural and sporting events organised by the Gammon Springs team as well as some nostalgic recollections from an Irish veteran and old timer, Mr. Donnelly in the column titled ‘Down Memory Lane’.

Please feel free to correspond with us at gammonspeaks@gammonindia.com, to make the contents of this magazine more lively and enjoyable.

Happy reading and best regards !



Vijay Vancheswar

Cover Photo: A schematic view of the upcoming Signature Bridge at Wazirabad, Delhi.

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FROM THE DESK OF

CHAIRMAN & MANAGING DIRECTOR



I would also like all of you to actively use the medium of *Gammon Speaks* for sharing your thoughts, ideas and opinions. This will no doubt help in enhancing our personal and professional development.

Towards the above, I once again

wish each one of you and your families the very best of success.

Best regards,

Abhijit Rajan

Dear Colleagues,

Warm wishes and greetings to all of you !

I am glad that we are bringing out an in-house magazine aptly named *Gammon Speaks*. As an organisation, we have over the years' significantly grown in numbers, scope and presence. *Gammon Speaks* should therefore be a medium which addresses the need for communicating and sharing information across the organisation.

As we look ahead into the new year, we have significant opportunities. The Government has identified infrastructure growth as a key driver of the country's economic progress by allocating USD 1 trillion, equivalent of almost Rs. 50 lakh crore over the 12th plan period, 2012-17. This is a positive factor for all our businesses.

Together let us work on making the best of this market scenario. Collaborative working, timely completion of projects and attention to safety norms and security will help us progress on this path. Other facilitating factors will be upgradation of skills and an openness to adopt and learn from within and outside.

FROM THE DESK OF

DEPUTY MANAGING DIRECTOR

Dear Gammon Knights,

You have the first issue of "Gammon Speaks" in your hands, if not on your computer screens. From ideation to fruition, this magazine has taken a while. Vijay and his editorial team have been pushing it and I am delighted that they have succeeded.

Some of you would be happy, some critical and others skeptical. That's the typical journey of any new initiative. In the journey from idea to execution, you would encounter resistance if not opposition, ridicule if not criticism and meet prophets of doom, even if those who question your very Raison d'être are in a minority. However, none of these has ever prevented change. For, if there's any constant in life— it is change. Whether an individual or organisation, all of us have to constantly re-invent and exceed ourselves, in our quest for growth and development. The moment we become comfortable and think that we've cracked the formula within ourselves to success, it marks the beginning of our failure, if not stagnation.

At Gammon, we share a dream

as Builders to the Nation. We have created some of the most memorable structures and implemented many challenging projects but that was our History. What is our future? What difference are we going to make as India marches ahead to establish its rightful place under the sun?

Are we going to be the best Engineering and Construction Company in India even as we set our sights on global reach and recognition? Are we going to be the preferred partner for our clients, our suppliers/vendors/sub-contractors and service providers? Are we going to be the Employer of Choice? Are we going to reward our shareholders and stake-holders which lead to win-win situations?

If the answer to the above questions are in the affirmative, how are we going to achieve that? I hope "Gammon Speaks" provokes thoughts and inspires action in that direction.

All the very Best,

Rohit Modi

■ **Signature Bridge, Delhi**

The would be new symbol of Delhi, India's first Signature Bridge (Client: Delhi Tourism and Transport Development Corporation, DTTDC), the ambitious project being constructed across the Yamuna at Wazirabad is a cable-stayed bridge which would link National Highway number one near existing T-point at Wazirabad on Western bank and Marginal Bund Road at Khajuri Khas on eastern bank of the river Yamuna, thereby connecting North Delhi with East Delhi.

With a length of about 575 metres and a height of 175 metres, this engineering masterpiece will have a bow-shaped pylon in the middle and equipped with four lanes with 1.2 metre wide central verge, space for anchoring cables, maintenance walkway and crash barrier on either side of the central verge. Besides, two high towers will be there to provide double cable support in the inner periphery of the carriageway.

Once completed, Signature Bridge, will drastically improve access between North and West Delhi for the commuters besides facilitating movement of vehicular traffic. New express lanes will also be constructed to connect Ring Road with the bridge.

■ **Some salient features of the project include:**

- a. Unique cable-stayed bridge structure-first of its kind in India and amongst very few in the world



A schematic presentation of the Signature Bridge

- b. Bridge will feature a dual carriageway of four lanes (14 metres) each with a 1.2 metre central verge
- c. Demonstrates Gammon's strength in use of innovative engineering design and technology
- d. Bridge will connect marginal bund road at Khajuri Khas intersection on Eastern side and Road No.45 on the Western side
- e. Design incorporates advanced technology with provisions for flyovers, ramps and loops to decongest the high traffic zone of the East-West corridors of River Yamuna in the Wazirabad area of Delhi and ensure signal free traffic movement

■ **Wazirabad Approaches: Erection of precast segments using Overhead Launching Girder:**

- a. The precast segmental construction technology adopted for superstructure with three/four span continuous straight/curved box girders with deck width varying from

- 9.6m to 13.2 m, and span varies from 32.25 to 49.5m Continuity of superstructure is achieved by in-situ pier segment monolithic with the pier
- b. Superstructure is further split into a spine box girders and side frame cantilevers with precast RCC ribs on the sides
- c. The erection scheme employed in the construction is span by span method using launching girders. During erection of segments, overhead launching girder rests on temporary steel tower supported by permanent foundations and after first stage stressing, whole span also rests on hydraulic jacks supported by temporary trestles resting on permanent foundations till it achieves span continuity. Horizontal force



due to movement of launching girder and gradient has been transferred to permanent pier through temporary steel towers which supports overhead launching girder. Till date six spans have been erected using overhead launching girder

▪ **Nandnagari Rail over Bridge (ROB), Delhi**

Inaugurated by Hon'ble Chief Minister of Delhi Smt. Sheila Dixit on February 1, 2011, Nandnagari Rail over Bridge, is about one kilometre in length (the longest span spread over 4.2 kms) at Nandnagri in the high traffic zone of Dilshad Gardens in East Delhi.

Gammon, the main contractor of the project, commenced work on this project in July 2010 and completed it four months ahead of schedule in October 2010, using the advanced fully precast concrete deck technology-a first of its kind in the country. This was particularly relevant given the high traffic density in the Dilshad Gardens East Delhi zone, where the ROB will replace the existing railway crossing on the road, ensuring higher safety standards, better traffic monitoring as well as enabling use of the upcoming service roads for access to the nearby Rajiv Gandhi Specialty medical centre and the GTB hospital.

A Rail under Bridge (RUB) is also under construction. This when completed in the next two-three months will further ease passenger movement and decongest traffic in the area.

▪ **Some key features of this project include:**

- a. Use of five foundations laid below the ground water level during the heavy monsoon period with minimum disruption to traffic
- b. Deployment of double the normal number of cranes, gantry and labour during off-peak hours at night to reduce traffic hazards and inconvenience to the public
- c. Use of 21,000 cubic metres of concrete
- d. Use of 3,000 metric tonnes of reinforced steel
- e. Use of about 2,500 metric tonnes of structured steel

▪ **Kosi Bridge Segment Launching Scheme:**

The project comprised of construction of Bridge across river Kosi in Bihar, including approaches, guide bund, afflux bund and culverts. Bridge decking is 20.7m wide and caters for four lanes of traffic with 1.5m wide two footpaths, crash barrier and railing. There are 39 spans of 48.15m length each, which are simply supported. All the permanent design is done in-house.

Span by span method of erection is adopted. The precast segments are erected by means of 150m long underslung type in-house design



and fabricated erection girder. The erection girder consists of two structural steel box girders, which are supported over RCC bracket, one on either side of bridge decking projecting from pier. Specially designed erection gantry (named CAMEL Gantry) is used to feed the segments to launching girder. One hundred metric tonne capacity trailers are used which travel over already erected deck to bring precast segments below Camel Gantry. Segment carriages with hydraulic jacks (for final alignment purpose) are placed on the launching girder over which Camel Gantry places the precast segment. After placement of all the 17 segments and aligning them to proper geometry epoxy gluing followed by temporary prestress is carried out. After assembly of all the segments, permanent prestressing is carried out to make the span self supporting. The launching girder is then autolaunched to the next span by means of winches and Camel Gantry is brought to the next feeding location. At present, erection of nine spans have been completed.

▪ **Sasan Chimney:**

Project: 6 X 660 MW Ultra mega power Project, Sasan, Madhya Pradesh.

Client: Reliance Infrastructure Limited.

Diameter of the Chimney: 36.7m
Height of the Chimney: 274.50m

This is the maximum diameter chimney executed by Gammon India Ltd. 130MT steel is required to fabricate the Slipform main truss, 56 yoke system.



■ **Transmission and Distribution (T&D)**

Transmission and Distribution Business of Gammon India headquartered at Butibori, Nagpur, has constructed more than 12000 circuit kilometers (Ckm) of transmission lines up to 765 KV across India and overseas countries during last two decades.

Gammon (T&D Business) has:

- World class design and testing facility supported by latest softwares (Andheri, Mumbai)



Deoli Factory, Deoli, Wardha, Maharashtra

- Lattice tower manufacturing – 1,10,000 MT P.A. (Wardha, Butibori and Baroda)
- ACSR, AAAC conductor manufacturing – 38,000 MT P.A. (Silvassa)
- High mast lighting and monopole manufacturing – 25,000 MT P.A. (Siivassa)

- EPC contracts execution upto 765 KV.

Recently, on December 11, 2010, tower manufacturing unit situated at Deoli, Wardha (Maharashtra) which is our Ultra Modern tower manufacturing unit – 50,000 MT capacity having advanced CNC Machines, automated galvanizing furnace with bath size of 9m x 1.5m x 3m and world class tower/monopole testing station, completely computer



Conductor Factory at Silvassa

administered with a capacity to test towers up to 90m height, base width 30m and 1200 KV was formally inaugurated by Mr. S.K. Chaturvedi, CMD, Powergrid; Mr. Abhijit Rajan, Chairman and Managing Director, Gammon India; Mr. Rohit Modi, Deputy Managing Director, Gammon India and Mr. D.C. Bagde, Director and CEO (T&D Business) and other dignitaries from clients and suppliers, were prominently present.

The T&D business has recently bagged two big orders—400KV transmission line in Bhutan (value Rs. 290 crore) and 330 KV transmission line in Nigeria (value Rs. 400 crore).

■ **Gammon Infrastructure Projects Limited (GIPL)**

Gammon Infrastructure Projects Limited (GIPL) leads Gammon's forays into the development of infrastructure projects on public private partnership (PPP) basis across sectors such as Roads and Expressways, Ports, Power, Urban infrastructure, Airports, Special Economic Zones (SEZs), Water and Wastewater Management, Railways and Power Transmission lines.

GIPL owns a well diversified portfolio of 20 concessions with an average asset life of 30 years, spread across various sectors, with a

total capitalisation in excess of Rs. 11,000 crore.

While India remains the area of strong focus, GIPL is exploring selective global markets.

■ **Update on Existing Projects:**

1. Patna Highway Projects Limited: The project achieved its financial closure for a total project cost of Rs. 940 crore with debt comprising of Rs. 846 crore and equity being Rs. 94 crore. The debt is raised through a consortium lead by Yes Bank Limited.
2. Vizag Seaport Private Limited: The Vishakhapatnam Port Trust had recently awarded a contract to the Dredging Corporation of India Limited to carry out dredging works in



Andhra Expressway



Punjab Biomass Power Limited, Punjab, India

the entire port area to reach a depth of 14 metres. The said dredging works will enhance the competitiveness of the port as compared to the other ports nearby on the eastern coast. The project stands to gain significantly on account of dredging cost savings and enhanced business prospects respectively.

The port has also added a 'LIEBHERR 984' high rise harbour crane thereby significantly augmenting the handling capacity and at the same time reducing the turnover time per vessel.

■ Recent Joint Ventures

1. UTB Envirotec, Hungary: Since 1964, is a leading solutions provider in the field of Sewage, Waste-Water and Water treatment areas and has its foot prints across the globe, especially Europe and America.
2. CADAGUA, S.A.: Is well known both in Spain and abroad as a pioneer and leading company in the field of the engineering and construction

of Water Treatment and Seawater Desalination Plants. Cadagua S.A. merged with the Grupo FERROVIAL, world's largest private manager of transportation infrastructure and a leading services provider.

3. Omaxe Infrastructure Construction Limited: As a civil construction and contracting company, has successfully executed more than 120 industrial, institutional, commercial and residential projects for a number of prestigious Indian private, public sector and multinational clients.

4. Welspun Group: Since 1985,

has grown rapidly to become a Global leader in almost every segment that it operates, viz. Home Textiles, SAW Pipes, Yarns. Besides its operations in core sectors like Steel, Steel pipes, Infrastructure, Energy and Oil and Gas, Welspun additionally touches numerous lives across the globe with its world-class Home Textile products.

5. Videocon Industries (Videocon Realty and Infrastructure Limited): A leading conglomerate now with a significant presence in infrastructure development.

The above strategic partnerships will address giving business



Vizag Seaport, Visakhapatnam, Andhra Pradesh, India

opportunities in the sectors for GIPL.

■ **AnsaldoCaldiae Boilers India:**

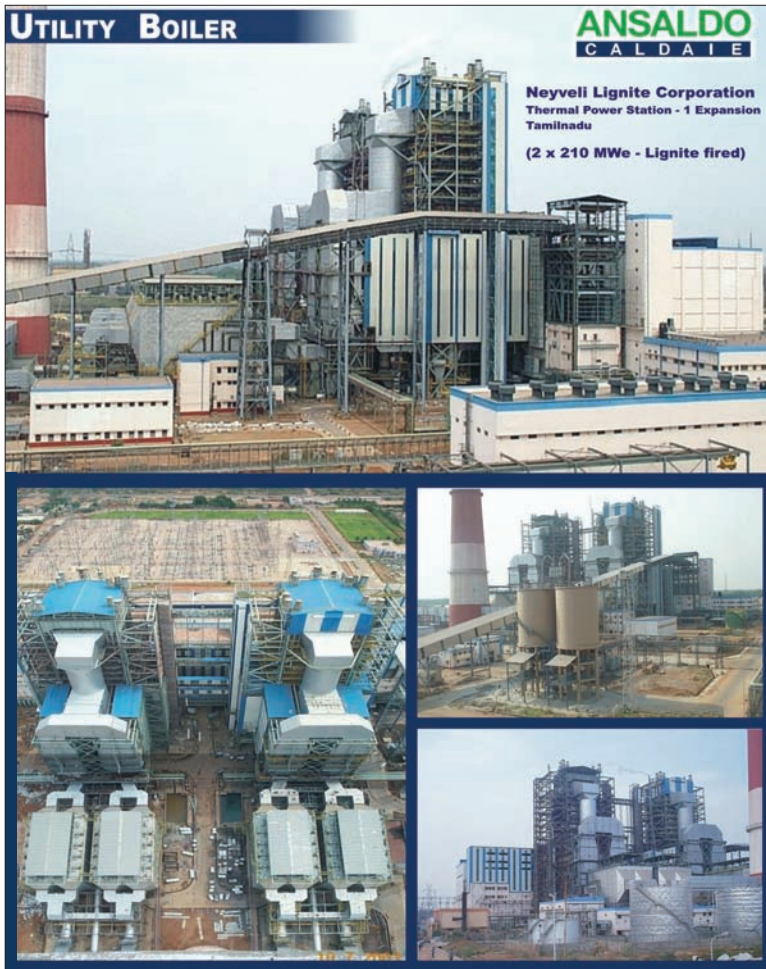
AnsaldoCaldiae Boilers India is a Joint Venture Company of Gammon India and Ansaldo Caldaie S.p.A, Italy, with a mission to be an international class boiler supplier in India.

was established in 1853 for manufacturing boilers in Italy. Presently, with a reference list of over 1,000 boilers worldwide [80000 MWe equivalent in capacity], Ansaldo Caldaie, Italy is a world leader in Utility Boiler and HRSG of all types. Further, Ansaldo Caldaie is an original technology owner for the design of boilers. The company has supplied two



Indira Container, Mumbai, Maharashtra, India

Ansaldo Caldaie S.p.A.



The company has been established since 2005 in India and is poised to react to the demands of the Indian market, ready to supply pulverised coal fired boilers of any size up to 660 MWe.

Historically, Ansaldo Co

210 MWe Utility Boilers to Neyveli Lignite Corporation.

In the year 2001, Ansaldo's boiler division was spun off as a separate company, which was acquired by Sofinter, an Italian private holding company. It was re-christened as

The holding company of Ansaldo Caldaie is Sofinter, in which Gammon India has a strategic investment of 50%; confirming the high commitment of Ansaldo Caldaie to the Indian Market.

To meet the requirements of a manufacturing base in India,



Mumbai Nasik Expressway, Maharashtra, India

ACB has invested in a dedicated manufacturing facility jointly with GB engineering in Trichy, AC-GB exclusively for its needs. This shop is presently being expanded to meet the requirements of supercritical boilers for the country.

■ **Gactel Turnkey Projects Limited (GTPL)**

Gactel Turnkey Projects Limited (GTPL) (formerly Gammon Cooling Towers Limited) is a Gammon Group Company and has been created to focus on domestic and



SSKL Aurangabad, Maharashtra - a customer of GTPL

international markets for Cooling Towers and Cooling Systems.

GTPL has an in-house team of more than 100 engineers from various disciplines dedicated to delivering solutions in Thermal, Mechanical, Electrical, Hydraulic, Instrumentation and Civil Engineering. GTPL design team has the expertise to study the required application and offer customised and cost-effective solution.

■ **GTPL has five Business Groups:**

Business Group 'S' and 'W': Offer RCC Cooling Towers with film or splash fill, Cooling System including Pumping Station and Chemical Dosing System on EPCC/ Lump sum Turnkey basis excluding RCC construction. GTPL utilises proprietary design and development software to other single point cooling solutions. Major applications include heavy industries like Power, Petrochemicals and Refineries, Steel Sector, Chemical industries and Sugar Industries.

Business Group 'G': Offers Pultruded FRP site erected and

Packaged FRP Cooling Towers (Supplied in factory assembled or CKD conditions). Major applications include Captive Power, Pharmaceutical, Sugar Industries, Refineries, HVAC, DG Sets and Steel Plants. We also undertake conversion of existing Timber Cooling Towers to FRP Pultruded Cooling Towers.

Business Group 'C': Offers services for existing cooling towers of any make. Several years of cooling tower experience has given GTPL expertise to accurately inspect and upgrade cooling towers with minimum shut downs. Business Group 'C' provides following services:

- Thermal and Structural Upgradation
- Inspection and Root Cause

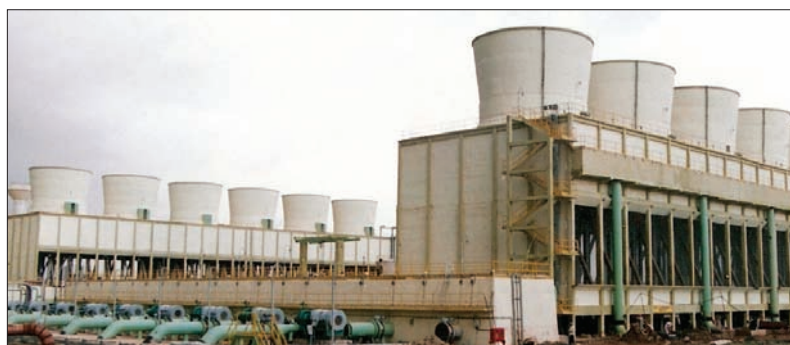
Analysis

- Retrofit, Supply and Emergency Repairs
- Annual Maintenance Contract
- Residual Life Assessment Analysis
- Performance Test as per CTI Codes
- Supply of Spares

Business Group 'Dry Cooling':

Considering the present socio-environment scenario where there is constant depletion of water and other resources, there is a drift towards selecting technology which will offer value for money and help sustain our resources in present and future. Business Group 'Dry Cooling' Offers –

- Air Cooled Steam Condensers for Power Plants
- Air Fin Cooler for Petroleum and Chemical Industries
- Shell and Tube Heat Exchangers for Power Plants
- Pressure Vessels
- Thermal Upgradation
- Refurbishment
- Performance Testing



Haldia Cooling Tower, Haldia, West Bengal, where GTPL has erected Cooling Systems

As part of the organisation's ongoing drive to recognise, reward and nurture talent and leadership, the following senior management inductions were announced by Mr. Abhijit Rajan, Chairman and Managing Director, effective February 07, 2011:

Mr. Chayan Bhattacharjee has been promoted as Executive Director in Gammon India Limited. He shall be driving Gammon's transition to a Systems and Process driven Company. In addition, he shall continue to be responsible to drive the Profitability, Cash and NOWC (Net Operating Working Capital), Turn-over and Order-Book of our Roads and Highways Portfolio, Marine, Ports and Hydro-Carbon (+ Pipeline) Divisions.

Mr. Ajit Desai has been promoted as Executive Director in Gammon India Limited. He shall be responsible to drive the Profitability, Cash and NOWC (Net Operating Working Capital), Turn-over and Order-Book of our Power (Hydro, Nuclear and Thermal), Water, Irrigation and Environment, Buildings and Civil/Industrial Structures, Bridges, Flyovers/Via-ducts and Metro/Rail/Urban Transportation Projects.

Mr. Mohan Jatkar has been promoted as Executive Director (Technical), in Gammon India Limited. He shall be responsible for building up and strengthening our Design and Engineering processes and capabilities.

Mr. Rajeev Malhotra has been promoted as Executive Director in Gammon Infrastructure Projects Limited (GIPL). He shall be responsible to, inter alia, drive Quality and Timely execution of GIPL's BOT / Annuity Projects, within Budget, apart from ensuring smooth co-ordination with clients and contractors.

Gammon Speaks wishes the new incumbents the very best in their new responsibilities!

Corporate Sustainability Policy

Gammon's commitment to Corporate Social Responsibility (CSR) means being accountable for our actions to a broad range of stakeholders- investors, employees, customers, suppliers, communities, business partners, host governments and others who have a stake in how our company conducts itself.

Gammon has long-established core values associated with health and safety, environment, social and economic.

We recognise the importance of both financial and non-financial performance in our efforts to maintain long-term, sustainable performance for the Company.

We put our policies into practice every day as we manage our business to promote sustainable social, environmental and economic benefits to all stakeholders wherever Gammon operates.

Human Resources Department at Gammon has introduced following strategic HR initiatives to achieve this vision:

- Compensation Redesign: Introduction of Variable Pay component is an important initiative introduced with a view to energise the organisation by rewarding excellence in performance. Variable Pay has been added for all new Level A recruits post Sept. 30, and those who have a BSC. Variable Pay component demands that performance parameters should not only be transparent but also be measurable. BSCs help organisations establish performance goals and track them in an open and transparent manner.
- Balanced Score Cards for all Level A employees and project-in-charges (irrespective of grades)
- HR Policy
- HR process Improvement

- Performance Management
- Training and Development
- Recruitment
- HRIS and Payroll

- Employee Grievance Handling
- Leadership Development with SP Jain Institute (GALLOP Programme since ..)

HR has also initiated following critical measures to achieve its vision and smoothen the functioning of the organisation

- Training Needs Analysis
- Competency Mapping
- Workforce Optimisation

A quick snapshot about GALLOP: GALLOP is Gammon's pathway to creating a leadership and talent pipeline for its future. It has been one year since the launch of GALLOP (Gammon Leadership Pipeline). Objective of GALLOP is to create a pool of leaders ready to shoulder responsibilities in both operating and support groups as the infrastructure industry ascends to the centre stage of world and

Indian business important part in exploiting these opportunities and assume the leadership role in this business line.

GIL has partnered with SPJIMR (S.P. Jain Institute of Management & Research, Andheri, Mumbai), amongst "the top 10 B Schools in India" and amongst "the top 25 in Asia". This MBA-equivalent course is of 21 months, and employees are selected through a process of Psychometric Test, IQ Test, Group Discussion and Personal Interview. Since its inception, four batches (45 Employees) have begun their journey on the Post Graduate Executive Management Programme and soon the fifth batch will be announced.

Along with completing the course, GALLOP participants will be groomed by giving challenging and business centric assignments and career paths in the future.

– Mukul Joshi
Deputy General Manager
Organisational Development

5S in Gammon – the journey's begun...

With a lot of pomp and gusto, 5S was launched at the H.O a few months back. 5S- Sort, Set in Order, Shine, Standardise and Sustain...

This concept was introduced through a Logo competition, Quiz and Workshop at Head Office, Mumbai in September, 2010. It resulted in Champions and Steering Committee being formed at the HO to drive 5S in its true spirit.

Focus Areas:

- Improved Health of the work force
- Reduction in vehicle breakdown due to tyre puncture
- Better movement of vehicles
- Improved traceability of files



5S. Be Safe and Smart.

This is just the beginning; I leave you with a few questions to reflect upon:

1. Can the above benefits be translated in terms of money?
2. Do the above translate to "Opportunity Cost" saved?
3. When can we convert these "Opportunity Cost Savings" into improving our Bottom line?

To know more...keep watching this space!

– Suryakantam Bansal
Deputy Manager - Systems and Processes

Gammon at Kalpakkam

INTERVIEW WITH MR. DR. PRABHAT KUMAR, PROJECT DIRECTOR, BHARTIYA NABHIKIYA VIDYUT NIGAM LIMITED.

At Kalpakkam we are constructing a prestigious nuclear power project of 500 MW capacity for the nation with indigenous technology developed by Indian scientists for the first time in India by using first of its kind of - Fast Breeder Reactor. Prototype Fast Breed Reactor (PFBR) is the forerunner of the second stage of India's nuclear programme and represents the commencement of the commercial phase of the second stage of India's nuclear power programme. By constructing and operating a 500MWe PFBR, India will be demonstrating techno-commercial viability of the second stage nuclear power programme. We are entrusted with construction of Nuclear Island Building, Power Island Building, Sea Water Intake, Simulator Building, Sadras Bridge

and Boundary-cum-protection wall. Site was made ready for starting first pour of concreting by October '04. Honourable Prime Minister Shri Manmohan Singh visited the site on 23-10-04 and symbolically inaugurated by pouring the concrete at ventilation stack location, which led to the starting of nuclear island buildings construction.

Gammon Speaks (Vijay Vancheswar, Group Head, Corp. Commn. & Ashutosh Inamdar, Deputy Manager, Corporate Strategy) spoke to Dr. Prabhat Kumar, Project Director and Distinguished Scientist, Bhartiya Nabhikiya Vidyut Nigam Limited, Department of Atomic Energy, Kalpakkam, Tamil Nadu, to get his views and experiences with the Gammon team in the development and execution of

this prestigious project.

■ **How long have you known Gammon and what's been your experience with us?**

Gammon is a very old and renowned company. As far as my knowledge goes The Gateway of India was built by Gammon. Besides, a large number of bridges have also been built by Gammon throughout the country... you are also in the nuclear industry for quite some time now.

I have a very good impression and knowledge about Gammon. So when we went for bidding for the present project, we wanted only the very competent companies to participate in the bid and hence took permission from our board to keep limited the number of companies participating in the bid. This was considering the challenges and complexity involved in the project. And of the six shortlisted for the bid, Gammon was one, which eventually went on to win the bid by a narrow margin.

■ **So what would you say had your experience been with Gammon so far?**

Simply wonderful! Our association with Gammon is almost of six years, which I guess is a fairly long period to know one well. Gammon had already mobilised its resources and awaiting our go-ahead for the project. In December, the work started in full swing with construction of



Dr. Prabhat Kumar, Project Director, Bhartiya Nabhikiya Vidyut Nigam Limited.

the first pour for the raft, which is the largest for any nuclear power industry, i.e., 2,700 cubic metres.

Prior to this, Gammon had also done 960 cubic metre concrete stack during the Prime Minister's visit. This, according to the people at site, was the fastest ever work completed by Gammon. The completion of these two things gave us the confidence that things would proceed well and at a decent pace. But, unfortunately, on 26th December 2004, when 14% of common raft concreting was completed and pour-2 of the raft construction was in progress tsunami struck.

▪ **What impact did the tsunami had on the project?**

That was a real difficult time for us; almost 3,50,000 m³ of sea water and muck entered into the pit disrupting all activities related to the project. However, this incident brought us closer and Gammon once again proved how cooperative and efficient the team could be to shrug off the setback, regroup and start work again.

▪ **Do you recollect the incident of that fateful day?**

Yes...of course. It was a Sunday morning and as any other day work was on in full swing in the site with about 450 people busy working, including 150 inside the pit, which was 19 metres under the ground level and barely 200 metres from the sea. At 9:30 AM, when people were discussing how to celebrate the completion of the second pour, Mr. Nair who was standing on an elevated platform with his walkie talkie, suddenly saw the entire two-km-

long boundary wall collapse and a huge wave from the sea rushing towards the site.

In no time, the wave had come. Mr. Nair, meanwhile, sensing the imminent devastation from the giant wave, with great presence of mind alerted everybody about the impending disaster. This was an example of extraordinary selflessness and flawless crisis management. Instead of running for one's life, everybody from the top-rung official to the one

working at the site, all came to each other's help, guiding one another to safety. Although, three persons suffered fractures but by and large everyone escaped unhurt, thanks to Mr. Nair and his presence of mind.

▪ **What was the biggest challenge that you had to face in the aftermath of the tsunami?**

After such a devastation no one was ready to come back to the site and resume work; there

<p>प्रभात कुमार Dr. Prabhat Kumar परियोजना निदेशक एवं विशिष्ट वैज्ञानिक Project Director & Distinguished Scientist</p>		<p>भारतीय नाभिकीय विद्युत निगम लिमिटेड Bharatiya Nabhikiya Vidyut Nigam Ltd., (भारत सरकार का उद्यम) कल्पाकम 603 102 Kalpakkam 603 102.</p>
BHAVINI/PD/2011/13		Date: 04.01.2011
CONGRATULATIONS!!!		
Dear Shri Gupta,		
Please accept my heart felt congratulations for you and your team on accomplishment of 28 million safe working man hours at Kalpakkam Project. Such major accomplishments are testimony of the commitment to the safety, quality and dedication to the work and professionalism of the supervisors.		
The commitment for the entire team who has worked to achieve this mammoth target deserves to be congratulated and complimented. We wish many more milestones for you and your team.		
With best regards,		 (Prabhat Kumar)
To		
Shri K B Gupta, Project Incharge, M/s GIL, PFBR Site.		
Copy To :		
Shri K Rajagopalan, CE(Construction) Shri S S Dhere, CE(Civil) Shri V Manoharan, ACE(Civil) Shri L Swamy Raju, ACE(Civil) Safety Group, BHAVINI		
<p>दूर भाष संख्या (कार्या), Tel No (Office) : 044 27480064 निवास / Residence : 044 27483122 फैक्स संख्या / Fax No.: 044 27480904 / 27480116 ईमेल E-mail id : pkumar@igcar.gov.in पंजीकृत कार्यालय : सं. 51, प्रथम तल, मोटिथ रोड, एगमोर, चेन्नई 600 008, तमिलनाडु Regd. Office : No. 51, 1 floor, Montieth Road, Egmore, Chennai - 600 008. Tamil Nadu</p>		



Kalpakkam site has completed the critical activity of caisson lowering and grounding for Sea Water Intake project. This is the first time Gammon has launched such a large caisson of 21 metres over cofferdam using latest technologies and a totally different technique that too in rough sea.

were also rumours that tsunami would make a comeback again. Even though Gammon India's workers colony was not too far from the sea, there had been no loss of life due to tsunami although people had lost all their belongings in the tsunami. Under such circumstances workers were not ready to come back and work got held up. This is when, the senior officials of Gammon India decided to go and stay in the workers' colony to re-instill confidence in them. This had a magical effect, workers started returning and work resumed soon.

▪ **Did tsunami disturb the work schedule?**

A disaster of the magnitude of a tsunami cannot but create hiccups. The commendable part was the joint effort and team

work by everyone at the project site. All in all, I believe we have managed the situation very well and done a very commendable job.

▪ **Tell us something about nuclear power in context of India?**

Nuclear power has a huge role to play in the power sector of India. It is the power of the future and your company (Gammon India Limited) has a major contribution in writing the history of the Indian nuclear power sector along with us. We should be proud and feel privileged to be the ones to give shape to such an important nuclear power project.

▪ **Are you satisfied with the safety standards maintained by Gammon in this project?**

Absolutely! Your team has maintained a very high level

of safety in the project. What's more, Gammon's team has the potential to rise to the occasion and deliver the best no matter what challenges it has to face.

▪ **Any areas of improvement that you would suggest?**

I would like to talk of the country as a whole and not just about Gammon. I personally feel we've a lot to do in the field of promoting skill development through training in the area of civil construction, especially keeping safety as a priority. I believe we're still a long way to go to catch up with the rest of the world. Through the columns of your magazine, I urge all of you at Gammon to take the initiative and develop innovative training initiatives incorporating safety and security aspects especially at the grassroots level so as to set benchmarks for others.

Ayush bracing up for International Challenge

Son of Mr. Arun Dalvi (Marketing Dept., Gammon India Limited), Ayush is a child prodigy who started playing chess when he was just five years old. After his first game of chess, a coach has been appointed for him to improve his game. From then on, chess has become a part of his life, as much as school. Now at the age of eight, Ayush is a popular name in the city's chess circuit. He has won many competitions at state and national level, and is now getting ready for International events too. He has won 35 trophies and medals in various competitions. Some of Ayush's major achievements are:

■ **In 2008:**
Kings Chess Festival, Andheri Sports Club (U6): Winner
Chetna College and Chesskul (U6): Runner up

■ **In 2009:**
Kings Chess Festival, Andheri Sports Club (U8): Winner
State Championship (U7): Runner up
National Championship (U7): 2nd from Maharashtra
BPCL Sports Club (U9): Winner
Rotary Club, Thane (U9): Winner
Sports Gurukul and Indrapastha (U8): Winner



Ayush with the trophies that he has won in various competitions.

■ **In 2010**
Mumbai District Selection (U9): Winner
Sangli Chess Festival (U8 and U10): Runner up
Mumbai Entrants Division Tournament (U10): Winner

– Arun Dalvi, Marketing Dept.,
Gammon India Limited



Girish Bhat

Girish Bhat, Chief Financial Officer (CFO) of the company has been recognised by CFO India magazine as one amongst the Top 100 CFOs in India. A CFO 100 Role of Honour felicitation function in this regard was held by the publication on Tuesday, March 15, 2011, at Taj President. Distinguished speakers on this occasion included among others Arun Shourie, former Telecom and BJP Minister, Dr. Anil Khandelwal, former Chairman, Bank of Baroda, and M. Damodaran, former Chairman, SEBI.

GammonSpeaks congratulates Girish Bhat on this commendable achievement and wishes him many more kudos!



Ameya – A bright doctor in the making!

Mrs. Amita R. Dudwadkar's (HO, Cash Section) son Ameya passed final MBBS with 68% marks and stood first in the college.

During his 1st, 2nd and 3rd year of MBBS, Ameya got scholarships from Sakseria Foundation and Sir Ratan Tata Foundation and was also nominated for various debates

and seminars to represent his college - Rajeev Gandhi Medical College, Thane.

He has maintained his meritorious record since his school and junior college level days. He was in the SSC – Merit List 2004 by securing 92.53% marks and came 14th among all students who appeared for the exam. Later on, in his HSC



too, Ameya scored 91.83% and was 8th in the Merit List. In Biology he scored 100 out of 100 in that exam.

Recognising Safety

As a practice the month of November is dedicated to build awareness and recognise safe work practices. While this is especially relevant at Project Sites, safety as a theme and culture is of paramount importance wherever we work, including at offices.

In this connection various activities and events were organized at project sites and offices. These included:

- SLOGAN Competition (English).
- SLOGAN Competition (Hindi and Regional Languages).
- Kids Drawing Competition.
- Article Writing Competition (English).

Summary of entries on slogans:

Location	English	Hindi	Regional	Total
Head Office	28	16	5	49
Site	465	203	15	683

Awardees – English Slogan:

- First Prize – Parsuram Biswal (8812 Water Intake at Visa Steel)

“I motivate all my dear, To wear helmet & foot wear, I don't have any fear, I accelerate progress gear”

- Second Prize – Nishikant Dhawale (Enabling Design CBD Belapur)

“Precaution and Care makes Accident Rare”

- Third Prize – Vabhav Jadkar

(Design CBD Belapur)

“Adopt Steady & Safety Measures like Tortoise who inspite of being slow, defeats the Hare & protects all in its Shell”

- Consolation Prize – L.S. Parmar (Advisor Tiroda)

“Only Fools do not Follow Safety Rules”

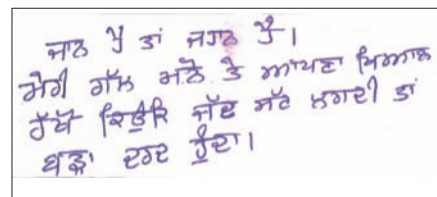
Awardees – Hindi and Regional Language Slogans:

- First Prize – Chirasmitta Biswas (Hindi) (Er. Civil CBD Belapur)

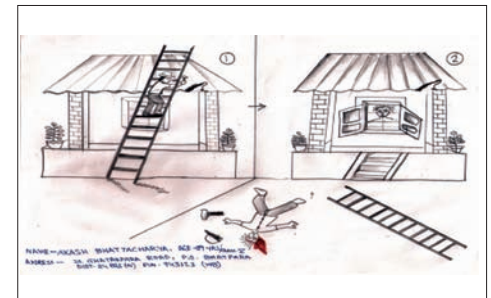
आसमान में सूरज, नीचे है धरती।
माथे पर हेलमेट, पहने शू सेफटी।
तुम ही हो कर्मवीर और संरक्षा अधिकारी।
संरक्षा भी बनाए अपना कारिगरी।

- Consolation Prize – Vinay Kumar Khullar (Punjabi) (DMRC AM-Civil)

Total Number of Participants from sites: 8



- First Prize – Akash Bhattacharya C/o. Mr. Mukul Bhattacharya Dumuria-Imamganj Road Project.



- Second Prize – Ishita Shrivastava D/o Pankaj Srivastava, Tiroda



Awardees – Regional Languages:

- Second Prize – Vinay MM (Kannada) (HO- Marketing)

“Nimma Indina Jagarukathe Nimannu Hagu Nimma Kutumbavannu Jeevanadyanth Kapaduvudu”

- Third Prize – Pushpendra Mishra (Hindi) (Junior Engg. Sasan Chimney)

“Laparwahi ka parinam, Chhoti bhoor, adhik nuksan”

“Safety is something that happens between your ears, not something you hold in your hands.”
– Jeff Cooper



Abhijit Rajan (CMD) Gammon India, performing Vishwakarma Puja on October 16, 2010, organised by the Gammon Springs.



A view of Gammon Knights attending the Vishwakarma Puja.



Gammon Springs volunteers donated 650 kgs of foodgrains to Help Age India, an NGO working for cause and care of elderly people.



Gammon Springs Volunteers donated 500 kgs of foodgrains to Vatsalya Foundation, an NGO for protection of street children.



A night trek to Peth Fort in February 2010.



A monsoon trek to Gammon Knights' most favourite 'Fort RATANGAD' in August 2009.



Inter Gammon Badminton Tournament held at DY Patil Stadium on September 25-26, 2010.



The five-member team that participated in the 24-km BSA Hercules India Cyclothon, Mumbai, February 21, 2010.



Winner of the Inter Gammon Cricket Tournament 2011- Turnkey Projects Limited.



Runners-Up of Inter-Gammon Cricket Tournament 2011-Taloja Workshop.



Pearl Panthaki of GIPL, who participated and successfully completed the 2011 Standard Chartered Half Marathon (21 kms), held in Mumbai, January 16, 2010.



Mr. Rohit Modi, Dy. MD along with other Gammonites donating blood during the Blood Donation camp held at Head Office on November 13, 2010.



Mrs. Karuna Rajan, Akshat Rajan and Col. Saberwal with the Gammon Springs team, which successfully conducted the Blood Donation camp.

Gammon Springs (GS) started its activities on 12th January, 2007. Four long years have passed since then! Gammon Trekking Group (as it was known then) started its activities by organising one day/night trek in the Sahyadris and quickly progressed to conduct Inter-Gammon Cricket Tournament involving Gammon India Limited (GIL), Gammon Infrastructure Projects Limited (GIPL) and Gammon Turnkey Projects Limited (GTPL), formerly Gammon Cooling Towers Limited. Cricket and trekking have been the most popular events for last couple of years.

Of late a lot of emphasis has been

given on involvement of all the Gammon Knights in each and every activity organised by the GS. Its foundation has been made strong with the immense support of Mr. Rohit Modi, Mr. P. P. Sukumaran and Mr. V. D. Murthy and earlier with the support of Mr. K. Jayachandran and Mr. Parvez Umrigar. With the active involvement over a period of time by Gammon Knights in the various activities of GS, our confidence have grown manifold and we have been able to look beyond Inter-Gammon Cricket tournament and trekking and been able to organise events, viz. Pizza Party, Blood Donation Camp, Badminton Tournament, World Food Day to name a few. In the last few

months GS has spread across Taloja Workshop and Gammon Group Companies, viz. FPCC, Mumbai Port.

The team from GS thanks GIL's management for providing a solid support to all the activities of Gammon Springs throughout these last four years. It is only because of this support that we have come such a long way. We look forward to this support in the coming years and intend to cover each and every site of Gammon.

– Kaushal Shah
Deputy Manager, GIPL

DOWN MEMORY LANE



Liam P Donnelly then...

Liam P Donnelly, joined Gammon in 1958 and worked in India for three years. After leaving Gammon he worked for Cementation in Ranchi, Bombay (as Mumbai was then known) and Calcutta (presently Kolkata). If any of our readers happen to know Mr. Liam P Donnelly, please feel free to get in touch with him at lpdonnelly@gmail.com

Given here are some interesting snaps with his remarks!



...Liam P Donnelly today



"I think that this might have been taken in Ranchi at the HSL Steel Plant on the visit of Jawaharlal Nehru, Who officilly opened our section of the contract, Ground Engineering (nearly 4,000 large diameter piles), and foundations. Again you will see me just under Nehru's chin! I was the Project Manager."

FOOD FOR THOUGHT

"Not everything that counts can be counted, and not everything that can be counted counts." – Sign that used to hang in Albert Einstein's office at Princeton University, USA

"If A is success in life, then A equals x plus y plus z. Work is x; y is play; and z is keeping your mouth shut." – Albert Einstein

"It is unwise to be too sure of one's own wisdom, it is healthy to be reminded that the strongest might weaken and wisest might err." – Mahatma Gandhi

"The chains of habit are too weak to be felt untill they are too strong to be broken." – Bertrand Russel

"Better to remain silent and be thought a fool than to speak and remove all doubt." – Abraham Lincoln

SPEAK UP!

Please respond and contribute to make *Gammon Speaks* an active medium for sharing new ideas and fresh thoughts!

Write to gammonspeaks@gammonindia.com

