Volume: 4 Issue: 9 Q3 & Q4 2013

CONCRETING















Notable Projects



Concrete Quiz



New Products





VC & MD's Message

Very warm greetings to all the readers of Concreting Times. The last quarter of 2013 saw many festivities like Dusserah, Diwali, Bakrid and Christmas and it appears all the Gods have listened to our prayers and showered their blessings on us.

I am saying this with lot of hope and anticipation because Asia's largest construction equipment fair EXCON, which took place in the month of November 2013 was quite encouraging. We had many old and new customers in large numbers visiting the exhibition, which was completely unexpected during the testing times. It was very heartening to note the visit of many small contractors from second and third level cities, which gives me a feeling that all-round mechanisation is happening in the construction industry. As usual, we had many new equipments on display with 5 new launches and 5 products in upgraded version. Probably, we were the only Truck Mixer manufacturers whose equipments were mounted on all the trucks manufactured in the country ranging from 3 m³ to 10 m³. I would like to take this opportunity to thank all the visitors to our stall and also all other customers for their encouragement, which keeps us on our toes to come out with more and more innovations.

Having said that, I would not like to be over optimistic, unless and until we have a clear indication on infrastructure investment initiatives and policy reform initiatives from the government. Besides this, formation of a strong government in the centre after the ensuing elections in the second quarter of 2014 would be the key to our growth.

I take this opportunity to introduce Mr.Thomas Ostermann who has joined as the group CEO of our parent company Schwing GmbH. He comes with long years of experience in the construction industry followed by exposure in a consulting firm of great repute.

At Schwing Stetter India, we are quite confident of the market bouncing back and anticipating this, we are continuing our investments in improving our productivity and in expanding our branch sales offices, training centres and service centres. We have recently added a service centre at Bangalore, to cater to the needs of our customers in and around that city.

We are hopeful that the New Year and the anticipated stable government after the ensuing elections will put back India on the growth path. I wish one and all and your families a very happy, healthy, safe and prosperous year ahead.

All the best,

Anand Sundaresan
Vice Chairman & Managing Director - SSI

Projects in Progress

First High Rise Building at Kolkata - Urbana



Urbana is today the address of the tallest (around 150 Meters) residential complex in Kolkata, which is coming up in Anandapur in the Eastern fringe of the city. This project shall consist of five towers of 46 storeys each standing with the height of 168 meters making it by far the tallest building in the city. The project will be spread across 66 acre and fifty percent of which shall be only greenery.



The project is owned by Bengal NRI Housing Complex Ltd., and the construction contract was awarded to L&T ECC. The project will have facilities like its own sewage pumping station and sewage treatment plant, waste water from all the buildings will be treated and recycled for gardening and washing purposes. Rainwater harvesting will be a salient feature of the complex. A car park wide enough for 5,000 cars and a commercial zone will be the other features.



This residential project was started in June 2010 and expected to complete by July 2015. With the huge structure, concrete played a major role in this project. A total of 1, 25,000 m³ of concret is already consumed in this project and around 1, 60,000 m³ is expected to be produced. M35 & M50 grades of concrete are being used in this project.

The following SSIPL equipments are being used in this project presently:

| Machine | Model | Quantity |
|-----------------|----------------|----------|
| Concrete Pump | SP2800, SP1800 | 1 |
| Batching Plants | CP30 | 2 |

CT News

New Service Center at Bangalore



Service is one of Schwing Stetter India's key focus areas, providing advanced and responsive support for a wide range of its products. Keeping this in mind Schwing Stetter India recently inaugurated its ninth service center in Bangalore. Over the past few years, Schwing Stetter India has made significant investments to increase its product support base around the country. This new service center is an important milestone for Schwing Stetter to demonstrate its commitment towards the customers.



Schwing Stetter believes that this service center will bring the customers much closer, enabling it to better understand their evolving needs, and help them reap more value from their capital investments. The facility will provide fast and efficient response to customers round the clock.

Coimbatore Office Shifted to a New Location

Schwing Stetter India's Coimbatore office was recently shifted to a new location to. No.2005, Trichy Road, Old Rajalakshmi mills, Singanallur, Coimbatore 641005 and Phone: +91422 3223660.



Construction Exhibition at Sri Lanka



Schwing Stetter India recently participated in a Construct Exhibition held between 9th and 11th August 2013 at BMICH, Colombo, Sri Lanka. The program was conducted by Construction Association of Sri Lanka. Schwing Stetter India exhibited various Products like CP18 Batching Plant, SP1800 Concrete Pump and 6 m³ Transit Mixer during this exhibition.

New Branch office at Guwahati



Schwing Stetter India has opened a new Guwahati branch office to keep pace with business growth in Eastern region. This branch office will be backed by spares requirements for our machines and also have service engineers to respond to the customer's needs.

Customer Meet at Dehradun and Akola



Schwing Stetter India organised customer meet at Dehradun and Akola recently. The meet was well attended by the customers from both the branches. Schwing Stetter India welcomed the gathering and expressed happiness for the positive response shown by the customers during the event. The event addressed various topics on concreting.



New Stores & Office at Nagpur



Schwing Stetter India has recently inaugurated its Nagpur branch office along with store facility. This location will contain all spares required for our machines and will also

have service engineers to respond to the customers need.



Notable Projects

Adani Corporate House, Ahmedabad

Adani Group is constructing its Corporate House inside its Shantigram Township in Ahmedabad, Gujarat. The project was started in May 2013 and it is expected to get over by May 2015. The Project has been awarded to L&T B&F. The total built up area of this Corporate House is 32,400 square meters.



The project which is 16 storeys is been constructed using various Schwing Stetter equipments like CP30 one no., S36 Boom Pump one no., and Transit Mixers 4 nos. The project has a total requirement of one Lakh m³ of M15 and M40 grade concrete. Out of that 11,784 m³ of concrete is already done. Upon completion, the Corporate House is expected to be one of its kind landmark in Gujarat.

TCS ITSEZ Adibhatla, Hyderabad

TCS one of the leading IT Company is constructing one of its biggest campuses with 20 lakh square feet in Adibhatla, Hyderabad. It is expected that cost of the project would be around 2000 crores and will accommodate not less than 30,000 employees. This project was awarded to L&T Buildings & Factories and Shapoorji Pallonji for complete construction work. RMC India one of Schwing Stetter customers was given sub-contract from Shapoorji for production and supplying of concrete. The project will have four blocks consisting of seven floors and each floor with five meter floor to floor height.



L&T Buildings & factories

L&T has a total concrete requirement of 1,10,000 m 3 of M10, M20, M25 and M40 Grade of concrete for this project out of which 80,000 m 3 of concrete is done till date. L&T is using various Schwing Stetter equipments like one H1.25N Batching Plant, six AM6SHN Transit Mixers, three SP1800 Concrete Pump and one SPB35 Separate Placing Boom.

ShapoorjiPalanji

Shapoorji Palanji has given sub-contract to RMC India, which has a total concrete requirement of 1,20,000 m³ of M10, M15, M20, M25, M30 and M40 Grade concrete, in which a total of approx., 89,694 m³ of concrete has been done till date. The customer is using one CP30 Star Batcher which was commissioned on 15th October, 2012 and has done 32,049 m³ till date and ten AM6SHN Transit Mixer.



Lulu Convention Center and Grand Hyatt - Kochi



Lulu Convention Center and Grand Hyatt Hotel is being constructed in Kochin, Kerala. The project is owned by Lulu Group. The Group is setting up an international convention centre and Grand Hyatt Hotel, which would be the first of its kind in South India. Schwing Stetter equipment like M1 & CP18 Batching Plants, SP1400 Concrete Pump, S36 Boom Pump and 7m³ Transit Mixers are used in this project. A total of 8200 m³ of M30 Grade concrete has been poured till date. The first phase is expected to get completed in 22 months. When fully built, the convention centre and the 250-room Kochi Grand Hyatt Hotel will comprise of seven lakh square feet.

High-Rise Projects in Pune region



Pune based SJ Contracts is constructing two High-Rise Projects Amanora Park Town & Castle Royale in Pune region. S J Contracts is using various Schwing Stetter equipments for these projects. Some of the equipment are Batching Plant like one CP30 Star Batcher, one M1 Batching Plant, 15 Transit Mixers and one BP1800, four SP1400, four SP1200 Concrete Pumps. A total of 2,50,000 m³ of M30, M30 MIVAN and M40 Grade of concrete was poured in these projects.



Customer Speaks

An Interview with

Mr. Ravi Kulkarni

Whole Time Director, Pratibha Industries Limited.

Please tell us about Partibha Industries...

Pratibha Industries was started in 1982, by my Grand Mother Mrs. Usha B. Kulkarni, Executive Chairperson of the Group and my father Mr. Ajit B. Kulkarni Managing Director of the Company and other Group Companies. Our Group of companies is dedicated and committed in providing the society at large with quality infrastructure in various fields. We have expertise including design, engineering and execution/construction of complex & integrated water transmission & distribution projects, water treatment plants, elevated and underground reservoirs, mass housing projects, commercial complexes, pre-cast design & construction, road construction and real estate.

Our rapid and consistent growth over the years show our focus on dedication, quality of production and services through continuously evolving technologies along with timely execution of projects which has won us accolades and repeated business from our customers.

Please share about some of your Landmark projects?



Our company has delivered many residential and commercial projects till date. While every project has been created with equal interest and dedication, there are some projects known for their innovation which has made them a landmark projects. Some of the recent landmark projects are Delhi Metrorail Project and Modak Sagar Project. In Delhi Metro Rail project, we are doing 30 km of construction with 11 underground stations.

We are doing couple of building projects in Bangalore. Our company is also doing a sewerage network which is around 33 kilometer were we are using micro tunneling machines. Most of the projects done by us are finishing before the deadline. One of the challenging project was Modak Sagar Tunnel, where we constructed 2.2 Km water supply tunnel, 100 meter below the ground.





What are the Schwing Stetter Concreting equipments you use?

Batching Plant:

- CP30 4 Nos
- CP18 2 Nos

Transit Mixer:

6 cum Capacity 36 Nos

Concrete Pump

- BP 350 D/E 6 Nos
- SP1400 7 Nos
- SP1800 2 Nos
- SP3500 1 Nos

Why you have chosen Schwing Stetter India?

We chose Schwing Stetter because of its German engineering, its complete concreting solution from concrete production to its transportation and finally to concrete placement. Other reasons are:

- Reliablility is high
- Faster erection and commissioning of the equipments
- Wide service network which is highly supportive
- PIL has done horizontal pumping with SP3500 Concrte pump up to 2.2 KM in the prestigious ModakSagar Project.

What impacts do Schwing's products have on your business?

Schwing rodycts are highly reliable, which leads to timely completion of projects and increase our productivity.











Schwing Stetter India proved itself again as a leader in concreting equipment industry by showcasing its product strength during this Excon 2013. As the leading concrete construction equipment manufacturer in India, Schwing Stetter unveiled five new products along with five new variants at Excon 2013. The Seventh edition of Excon was South Asia's biggest construction equipment event, which drew huge crowd from the Industry.

Schwing Stetter India occupied a prominent position near the entrance of the exhibition to showcase its cutting-edge technology and after sale support. The show was held at Bangalore International Exhibition Center, Bangalore from 19th to 24th November- 2013. Many visitors with very specific requirements for new concreting solutions visited the Schwing booth.

Schwing Stetter India's stall was spread over an area of 2400 sq,mt., and showcased its complete range of concrete machinery. The stall had a live display and demo of 25 machines, which attracted the customers. The new product launches were the major attraction during the event. The newly launched products span across the Concrete Pumps and Batching Plants segment. SP1300, SP3000, and TSM 20.8 are the new Concrete Pumps while CP45 and H1J are the new Batching Plants that were launched.



From left : Mr. Anand Sundaresan, VC & MD, SSI with Mr. V.G.Sakthikumar, Whole - Time Director - Operations, SSI

The stall looked very attractive with its two-tier structure, along with huge space for product display on the ground floor. While the meeting rooms provided an opportunity for the customers to experience about our product application, training and automation. Schwing Stall also provides live demo models for Self-Greasing System and Weighing Bridge, Replica of Cement Bag Cutting Machine was also displayed.



Excon 2013



Excon is the industry's most prestigious event organised by the Confederation of Indian Industry (CII) along with the Builder's Association of India (BAI). This event enables networking with all industry experts in a single platform including those from prestigious industry bodies like Indian Construction Equipment Manufacturers' Association (ICEMA).









Schwing stall also saw many dignatories who not only visited but also discussed their views about our various equipment. Some of our esteemed visitors were Hon. Union Minister for Road Transport and Highways Mr. Oscar Fernandes and Mr. E.M. Sudarsana Natchiappan, Hon. Union Minster of State for Commerce and Industries, Govt of India.









Schwing at Various Exhibitions









Schwing Stetter India participated in various construction exhibitions in Philippines, Indonesia, Cambodia and Myanmar recently. Schwing Stetter has been a habitual participant in these events and always made sure that the current trend and latest in concreting has been communicated to the emerging markets. Latest products were displayed during the event, like Transit Mixers, Boom pumps and Stationary pumps (with the latest Rock Valve Technology). Schwing Stetter has always stayed in its toes, to meet the massive demands of growing construction industry. Schwing Stetter's proactive solution to deliver customers need was appreciated and welcomed by many constructors and builders during the event.

Quiz

CONCRETE QUIZ

- 1. The recommended hydraulic oil grade to be used in Schwing concrete pumps is
 - a) 20 W 40
- b) SAE 90
- c) 68 SS
- d) VG 220
- 2. In M1 Skip motor, the difference in speed is achieved through
 - a) Rope
- b) Pulley
- c) Motor
- d) Skip bucket
- 3. type of hydraulic system is used in Transit Mixers
 - a) Load Sensing
- b) Open Loop
- c) Closed Loop
- d) Pressure Sensing
- 4. One of these machines is not a new launch
 - a) SP1300
- c) SP2000
- b) SP1600
- d) SP3000
- 5. Which Valve system can pump 80mm aggregate size?
 - a) Flat Gate Value
- c) Rock Valve
- b) S Valve
- d) C Valve

Winner of last Concrete Quiz, Mr. Santosh, MFAR Constructions and Mr. BKS.Reddy, ITD Cementation.

Please send your entries to editor.ct@schwingstetterindia.com



Project Abroad

Circle Terminus is a Tight Fit



Circle Terminus is a residential and retail development project in Atlanta with tight boundaries on all sides. Cherokee Concrete Pumping headquartered in Hampton, Georgia, chose the Schwing S 36 SX and explains , "We knew this project was coming up and decided the requirement of boom versatility and footprint size would require a special pump", for efficient concrete placement.

Concrete construction is ongoing on the three-

level parking garage that will support five stories of apartments. DPR Hardin Construction of Atlanta, is the general contractor and long-time Cherokee customer. Located in the heart of the upscale Buckhead neighborhood, the project is left with very little room for equipment. Existing structures crowd the last site to be developed. "It is just so tight," according to Bylsma, "We have to reach all portions of the site from one location and not take up too much space on the street." The company's Schwing S 36 SX, with 118-feet of reach, fits the bill.



"The machine features the RZ4 4-section boom, the best features of two boom types," says Cherokee operator Paul Thrasher, "It has the unfolding convenience of a Roll and Fold and it incorporates a 270-degree Z-fold tip for maneuvering into tight places. I call it the Rolling Z." The S 36 SX also features Super X outriggers that aid in providing a compact, stable pumping platform. Crowding a lot of equipment onto a small site made set-up an unpredictable proposition day-to-day. "The Super X outriggers give you more choices for set-up because their curved shape telescopes out and around jobsite obstacles," states Thrasher.

"It can be set-up in 15 minutes with this 36-meter and because it has 730-degree boom rotation "explains Thrasher, a 20-year veteran pump operator. He also credits the large 210-gallon water tank and fast cleanout of the Schwing Rock Valve for his ability to cover more jobs in a day. The ability of the pump to handle a variety of wall and slab mixes on the project is facilitated by the Big Rock Valve standard on all Schwing boom pump's over 31-meters. "The Big Rock has an extended valve and housing to easily keep up with the requirements of high volume pours on this project even with the harshest mixes" according to Bylsma.



Hardin states, "But with the tight conditions and mixture of large and small pours, it is a high maintenance job" The S 36 SX features the Generation 3 all-hydraulic 2025-5 pump kit with 10-inch diameter pumping cylinders operating through 79-inches of stroke". Thrasher says, "When I'm going flat-out on one of the large slabs the boom stays nice and steady." The versatility of the S 36 SX is aided by the RZ4 boom's design that angles the second section to one side in the travel position to minimize overall length for maneuverability.

"The unique boom configuration allows it to pour right back to the bumper and stay within the ceiling height. You don't see too many booms that can do that." "The S 36 SX fulfills our need for an all-purpose pump working on commercial and residential projects" Bylsma says.



As Circle Terminus , to place the concrete decks for the five apartment levels, another newly acquired Schwing pump, the SPTO 2000 powered by the trucks CAT engine and mounted on a Freightliner chassis with output of 118 cubic yards per hour, will

perform as a line pump on the project. With only 250 square feet required for set-up, the SPTO 2000 is only 40% of a boom pump's footprint on the cramped project.

The first Circle Terminus units are expected to come online in 2014. Amenities will include a salt-water resort-style pool, rooftop terraces with dramatic skyline views, a wine bar and tavern, an extensive fitness center, a dog walk park, an art gallery and a business center.





New Product Launches

SP1300 Concrete Pump

New in the class is our SP1300 a pump with a whole range of qualities and new features. SP1300 is designed to facilitate the customer needs for placing concrete at medium heights with lesser power.



This concrete pump has a concrete flow of 37 m^3 per hour and has a maximum pressure of 85 bar. It can handle maximum size of aggregate up to 30 mm.

SP3000 Concrete Pump

SP3000 Concrete Pump is developed with 156 bar concrete pressure which is ideal for high rise project. It gives more output and more pressure with less power consumption. This pump is capable of pumping larger quantities of concerte to greater distances, both vertical and horizontal. It helps in smooth pumping in high rise projects with reduced risk of concrete back pressure.

This pump comes with added features like Schwing Generation - 3 pump kit and has open loop for better fuel efficiency. Other features include twin circuit, dual shifting cylinder, high pressure rock valve to



handle the harsh mix, lowest cost per m³ and ease of rebuilding as the Rock Valve. Schwing G3 design continuously draws hydraulic oil from the tank and circulates it through the filter and high efficiency cooler. Even when the concrete pump is not engaged, this separate hydraulic circuit continues to operate for protection and performance.

Schwing G3 hydraulic system having 3 high flow control block is the brain for all the hydraulic system. The block incorporates the soft switch into the relief valve and the accumulator manifold into the S3 spool valve for a compact, simpler design. Multi port shifting is an important part of the twin circuit system, which uses accumulator pressure to switch the S3 valve. Faster switching of the S3 translates to smoother pumping. The S3 block and system accumulator are separated from the control block and located near the tank and hopper for easy access.

H1J Batching Plant

The versatile horizontal Batching Plant which was so far available only between 1.25 to 6 m³ is now also available in one m³ per batch capacity. Being a trend setter with over 48 years of experience in Batching Plants, this plant is specifically designed to cater to different requirements of Indian Construction Industry. As a standard feature of all Schwing Stetter batching plants, this plant also comes with very low operating cost and a faster ROI. This plant is more flexible to customer's changing requirement and is available with conveyor feeding option. Apart from the capability of handling mix recipes for higher grade and special grade concrete, this plant is also ideal for construction projects like road, bridge, canal etc.

TSM 20.8 Shotcrete Pump



TSM 20.8 is a space optimized Shotcrete Machine with eight meter boom on Truck. Foldable two section boom coupled with rotatable horizontal axis makes it versatile and easy to use in tough shotcreting jobs. Curved profile of the tunnel can be followed in single Joy stick movement on the remote control unit. This small but power boom is suitable for Tunnel size starting from five meter to 16 meter.



CP45 plant is the result of the desire expressed by many of our existing customers to have a plant between our popular CP30 and M1. This Compact Batching Plant can be offered in compartment batcher, inline silo & star batcher versions. Like all our Batching Plants this plant also comes with standard advantages of easy erection and user friendly control system. This highly reliabile plant comes at a reasonable price.

CP45 is most suitable for small and medium construction companies and middle segment RMC players. This plant also finds its application in the segment where customer wants to provide high grade & high performance concrete (using micro silica, ice etc.) with medium capacity Batching Plants.



New Product Variants

Concrete Pump SP1400 (Mahindra Engine)



- Modularised chassis frame with complete new look and arrangement.
- The new chassis frame is stronger yet lighter. The revised chassis has a stronger Axle.
- The chassis is balanced so that it is easy to maneuver at site. And it exerts very small load on the towing vehicle as the height of tow hook is appropriate for most of LCVs.
- The hydraulic routing is simplified & numbers of connectors are reduced by 50%.
- The modular version can accommodate different makes of Engines like Duetz, KOEL, Mahindra and Ashok Leyland. It can also accommodate hydraulics of Rexroth, Eaton and Kawasaki make pumps.

Boom Pump S36 Twin Circuit



- Twin Circuit as the name implies has one Hydraulic Circuit for the Differential Cylinder and another Circuit to switch the Rock Valve.
- This helps in smooth changeover of the Rock independent of quality of the pumped concrete. The Rock and the Hydraulic Calves connected do not slam/pound but switch across smoothly.
- This results in improved wear life of Cutting Ring, Kidney Seal, Kidney Plate and Slewing Cylinder.



into rock valve, for its customer to meet the requirements in high rise constructions. The conversion from flat gate to rock valve will be a second lease of life for your flat gate pumps. Now you can convert ten year plus old Flat Gate Valve to Rock Valve and extend it's life to more than 25 years. For more information on valve conversion, please contact us.

Separate Placing Boom SPB25 XCMG Tower Mast with Pipeline

- This highly flexible Separate Placing Boom (SPB) can now be offered for improving building constructions along with XCMG Tower Crane Mast.
- This can be offered on 5 Ton, 6 Ton and 10 Ton Tower Crane Masts to help increase production.
- The Concrete Pipeline can be routed without any modification on Tower Crane Mast.





- AM 3 SHN is ideal for delivery of small loads of concrete and can easily enter narrow roads and can be easily maneuvered on hilly terrain and sharp bends. It can enter city roads all day long.
- Optimized hydrostatic drive to suit 3 m³ /4 m³ Transit Mixers. This is not an adopted design but hydrostatic drive designed for 3 m³ /4 m³ Transit Mixers.
- New optimized turbo charged water cooled engine is to improve fuel efficiency and also to deliver high torque.

Transit Mixer



- We are offering naturally aspirated and well-proven Mahindra 705 DI engine as an alternative to air cooled engine.
- This modularized engine can provide higher torque and marginally improved fuel efficiency and there by reduced the cost of concrete.
- This engine comes with better safety features like Low Lubrication Oil Pressure, HWT and Shut off Valve. Overall noise level is expected to be lower.

The Last Word

Dear Customer,

Greetings!!

Thank you for visiting us at Excon & appreciating our products and giving review on our new launches.

We are pleased to inform all our New products launched during Excon are now moved to serial production and receiving overwhelming support from you.

We also thank you for the feedback in our Website, Twitter and Facebook Pages for numerous postings and likes immediately after Excon 2013.

We congratulate the Winner of Concrete Quiz, Mr. Santosh, MFAR Constructions and Mr. BKS.Reddy, ITD Cementation and expect more participation from your team in the future.

In this Edition, we have covered a Project in Atlanta under "Project Abroad" and peak performance on our machines at L&T ECC Project at Urbana in Kolkata and report on notable projects in Ahmedabad, Hyderabad, Pune and Kochi.

Our new Service Center at Jigini Industrial Estate, Bangalore is available for customers around Bangalore region. This is part of our effort to expand our Service Center to the areas, so far, not served with service centers.

Happy reading!!!

With best regards,

V.G. Sakthi Kumar,

Whole-time Director - Operations - SSI sakthikumar.vg@schwingstetterindia.com

For any feedback regarding this newsletter, email at editor.ct@schwingstetterindia.com



Most popular Stetter plant CP30 is now available with increased output of 45 m³ per hour with added features as CP45 Batching Plant. Our engineers will meet you soon with details.

Batching Plants | Concrete Pumps | Transit Mixers | Concrete Recycling Plants | Belt Conveyors | Separate Placing Booms | Shotcrete Pumps

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