Dear Customers,

Very warm greetings to all the readers of Concreting Times.

After a gap of almost 4 years, we can see some cheer on the faces of the stakeholders in the construction industry. Thanks to the Honorable Union Minister for Road Transport and Highways, Mr. Nitin Gadkari, for awarding many road contracts in the last 1 year.

Coal India’s initiative towards increase in coal production has also given a boost to the demand for excavators. The construction equipment manufacturing industry is definitely happy as each company has witnessed increase in YOY sales between 25% to 35%. It is hoped that the coming months will also be positive, with many more projects coming up in the railway sector, power and port sectors.

The real estate industry continues to be under severe pressure; thus the material handling equipment, including tower cranes are continuing to show negative growth.

I am glad to inform that SSI has also grown by about 30% YOY and I would like to take this opportunity to thank all our customers, through this media. On the one side, it is a happy situation; however meeting deliveries on time has become a very big challenge. Manufacturers like us who have huge import dependence have to shell out extra cost on freight, as we have to resort to importing certain critical components by air. It will be of great help if our customers are able to plan their requirements well in advance.

With all these demands coming up, there will be need to have trained operators, to get the best performance out of these equipment. The Indian Construction Equipment Manufacturers’ Association (ICEMA) has promoted “Infrastructure Equipment Skill Council” (IESC), which has taken up the task of skilling and certifying the operators for construction equipment.

Most of the construction equipment manufacturers’ training centers are accredited by IESC, which is approved by NSDC. Through this media, I request all our customers to get their existing and future operators trained and certified through IESC. The certificate provided by them is approved by the Government of India.

Finally, I wish all the readers “Season’s greetings” and a successful and prosperous future.

All the best,

Anand Sundaresan
Vice Chairman & Managing Director - SSI

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**Projects in Progress**

**Pir Panjal Tunnel in Jammu & Kashmir**

Jammu & Kashmir: Udhampur - Srinagar - Baramulla Rail Link project is the biggest ever project in the construction of a mountain railway since India’s independence. From Jammu to Baramulla, the length of the new railway line is 345 km. The project has been divided into 3 sub-sections as Udhampur - Katra, Katra - Quazigund and Quazigund - Srinagar - Baramulla. Katra - Quazigund railway line is considered to be the most difficult stretch of this project.

The alignment of this stretch which is 129 Km long, passes through Patnitop and Pir Panjal ranges. The Pir Panjal Railway tunnel or Banihal Railway Tunnel is an 11.215 km (7 mile) railway tunnel located in the north of Banihal town.

Schwing Stetter India equipment in use at these three sites for Afcons are:

<table>
<thead>
<tr>
<th>Machine</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Shot Runner</td>
<td>TSR 30.14</td>
<td>7</td>
</tr>
<tr>
<td>Top Shot Mobile</td>
<td>TSM 30.10</td>
<td>5</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>M1</td>
<td>3</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>CP30</td>
<td>2</td>
</tr>
<tr>
<td>Concrete Mixer</td>
<td>AM6SHN, AM6SHC</td>
<td>23</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>BP350 E</td>
<td>3</td>
</tr>
</tbody>
</table>

Concrete Grades used are M25, M30. Total concrete poured and produced in all these two project sites are 60,364 m³ approximately, out of the total concrete at 264,056 m³.
Four Laning of Rewa - Katni - Jabalpur - Lakhnadon

Madhya Pradesh: This upcoming four lane 287 km long concrete road project RKJL Project (Rewa, Katni, Jabalpur) (Package 1, 2 & 4) and Jabalpur to lakhnadon project is being constructed by Larsen and Toubro. Total cost involved in these projects are 3393 crores. Concrete grade used are M15, M20, M30, M40. Total concrete poured and produced till date is around 15000 m$^3$ concrete for small bridges. These batching plants are of 120 m$^3$, 160 m$^3$ capacities which will pave 33 lakh m$^3$ of concrete road in a period of 24 Months.

Schwing Stetter India Equipment in use:

<table>
<thead>
<tr>
<th>Machine</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batching plant</td>
<td>H1.25</td>
<td>5 (New)</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>H2.25</td>
<td>1 (Old)</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>H3N</td>
<td>4 (2 New+ 2 Old)</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>CP 30</td>
<td>1 (Old)</td>
</tr>
</tbody>
</table>

Gurgaon: DLF camellias is an upcoming lifestyle condominium project being concreted for Leighton at Gurgaon’s Golf Course Road. It consists of 9 towers of 38 Floor X 4, 32 Floor X 2, 22 Floor X 2, and 18 Floor X 1. Concrete reach is at 140 meter vertical. This project has the concrete grades of M20, M30, M40, M50, M60. Total Concrete poured and produced till date is 210,000 m$^3$, remaining approximately 40,000 m$^3$.

Schwing Stetter India Equipment in use:

<table>
<thead>
<tr>
<th>Machine</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batching Plant</td>
<td>M1T</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Boom Pump</td>
<td>S36</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP 1800 HD</td>
<td>2</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP 2800</td>
<td>1</td>
</tr>
</tbody>
</table>
Clariant Lodha

Thane West: Lodha Clariant project will consist of 86 towers of 25 storey each being built on 82 acre plot a, b, c. It is also within the closest proximity to NH-3, NH-4 and enjoys good connectivity with the rest of Mumbai. Schwing Stetter India equipment of H3N batching plant with five bins and four silos, transit mixers of seven numbers of AM6SN2 are in use at this project for RMC India. Total concrete quantity required for this project is around 552,000 m³ out of which 18,292 m³ of concrete have been produced so far.

Nagpur Metro

Nagpur metro rail project is being constructed by Nagarjuna Construction Company using Schwing Stetter India equipment. The entire stretch will be divided into 2 alignments or corridors as follows:

Schwing Stetter India Equipment in use:

<table>
<thead>
<tr>
<th>Alignment</th>
<th>Corridor</th>
<th>Rail Length</th>
<th>No of Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>North – South Corridor</td>
<td>19.658 Km</td>
<td>17</td>
</tr>
<tr>
<td>2</td>
<td>East – West Corridor</td>
<td>18.557 Km</td>
<td>19</td>
</tr>
</tbody>
</table>

M1 Batching Plant, SP 1800 concrete pump, five numbers of AM6SN2 Concrete Mixers are in use. Total concrete required is around 140,000 m³ for both Grade and Elevated sections of 13.6 km, out of which 24,500 m³ have been produced so far. Concrete grades are M15, M25, M35, M40, M45, M50, M60. This project is valued around 338 crores.

Speciality of SP1200 E

Parbathi, Kullu: SP 1200 Electric (Tunnel version) was developed & commissioned for Gammon India, Parbathi, Kullu. The special features of the pump are highlighted below:

- Direct drive agitator motor due to width restriction of tunnel (1581mm)
- Hopper height limited to 950mm due to feed car height.
- Concrete pump to run on rail gauge 90 Lbs, 900mm width
- Hydraulic wheel braking arrangement during pumping operation
  - Special bend outlet with taper tube
  - Wheel chokes for additional wheel lock.

New Brahmaputra Bridge

Guwahati: This upcoming bridge project runs from Jalukbari to Amingaon (including road, flyover & bridge) is being constructed by Gammon. The main flyover is of 488 mtrs long whereas loop 1 is 375 mtrs, loop 2 is 75 mtrs, and loop 3 is 109 mtrs. The main bridge is of 1492.6 mtrs long, road is 4354 mtrs long, Amingaon side flyover is 36 mtrs long while Hajo Road is of 458 mtrs long. Total concrete produced and pumped is 229,978 m³. Concrete grade used in this project are M15, M20, M35, M40, M45, M50.

Schwing Stetter India Equipment in use:

<table>
<thead>
<tr>
<th>Machine</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batching Plant</td>
<td>CP 30</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Boom Pump</td>
<td>S 32 X</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>BP1800</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Mixers</td>
<td>AM6SN2</td>
<td>3</td>
</tr>
</tbody>
</table>

Ernakulam: RVH 18 circular distributor and a SP1400 D concrete pump have been working for Seguro Foundations on a barge of 1.5 meters height for a 200 m river bridge project at Aluva Manappuram. The total height of bridge from water level is 17 meters. Total number of concrete poured and produced in this project is around 2000 m³. Concrete grade used is M40.
In a Conversation with
**Mr. Prahlad S. Patel (PSP), Chief Managing Director, PSP projects limited.**

**About the customer:**

The culture of the PSP Projects Ltd. is based on the founder's personal values – dedication to best solution for a client, cultivating trust, taking a personal responsibility in all relationships – continuous commitment in delivering high excellence in the project execution and in adding value to clients' business. Ethics, Professionalism and timely delivery of the projects are the core motto of PSP Projects LTD, They have been recognized as one of the fastest project completion company by Government of Gujarat.

**Landmark Projects:**
- GCS Hospital
- KHS Machinery
- Zydus Hospital

**Why Schwing Stetter India equipment?**
I am a fan of Schwing Stetter India Product. As, Schwing Stetter India are committed to deliver and recommend products very accurately. I am very happy and satisfied with the overall approach of the entire Schwing Stetter team quotes Mr. Prahlad S Patel.

<table>
<thead>
<tr>
<th>Machine</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Pump</td>
<td>BP 350</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP1400</td>
<td>4</td>
</tr>
<tr>
<td>Batching Plant</td>
<td>CP30</td>
<td>4</td>
</tr>
<tr>
<td>Concrete Mixers</td>
<td>AM6SHN2, AM7SHC2</td>
<td>21</td>
</tr>
</tbody>
</table>

In a Conversation with
**Mr. Bimal C. Roy, Managing Director, Khondkar Nazmul Hassan, Director, Khalid Ahmed Khan, Director, Next Spaces Limited, Bangladesh**

**About the customer:**

Next Spaces Limited was formed in 2006 in Dhaka city, Bangladesh. They have been engaging in the construction of large projects, commercial and industrial buildings, residential buildings, multilevel basement project for the last decade. Pioneering in the field of foundation engineering, Next Spaces Limited has introduced technological innovations on foundation methods and technologies, such as large diameter bored pile, CFA pile, secant pile, diaphragm wall, tie back anchor system, jet grout, and micro piles. Next Spaces Limited has been known since inception for targeting and consistently achieving a high degree of customer satisfaction, early project completion, high quality of work standard, sound management.

**Landmark Projects:**
- BGME University project
- Shantahar food storage project
- Ashuganj power station project

**Why Schwing Stetter India equipment?**
A Bangladesh national record was created by 2 numbers of M1T batching plant producing 3300 m³ of concrete in 30 hrs with zero hours of breakdown. Also, excellent track record at the Ashuganj Power project wherein there was less maintenance and good service. “Schwing Stetter India is a complete concrete solution provider under one roof. We can completely depend on Schwing Stetter India machinery” as quoted.

<table>
<thead>
<tr>
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<tr>
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<td>M1T</td>
<td>2</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP1800</td>
<td>2</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP1400</td>
<td>2</td>
</tr>
<tr>
<td>Concrete Pump</td>
<td>SP1200</td>
<td>1</td>
</tr>
<tr>
<td>Concrete Mixers</td>
<td>AM6SHN2</td>
<td>8</td>
</tr>
</tbody>
</table>
There’s no doubt about it: this 31st edition of the World’s Leading Trade Fair for Construction Machinery, Building Material Machines, Mining Machines, Construction Vehicles and Construction Equipment is top of the class. A seven-day show of superlatives at Bauma attracted around 580,000 visitors from 200 countries to Munich between April 11 and 17. A total of 3,423 exhibitors—1,263 from Germany and 2,160 from abroad—from 58 countries presented their products, developments and innovations on a record of 605,000 square meters of exhibition space. Exhibitors from outside Germany accounted for 63 percent of the total—higher than ever before.

Mr. V. G. Sakthikumar, Managing Director, SCHWING Stetter Sales and Services Private Limited, Chairman of Mechanization Committee, Builders Association of India told that Schwing GMBH will be launching slew of new products and also path breaking new technologies in the field of concrete production, concrete transportation, concrete pumping and concrete recycling. Schwing will be exhibiting in stall number, FS1005/2 in the open area and will be displaying boom pumps S20, S36 X, S38 SX, S43 SX III, S52 SX all on Mercedes Benz trucks and S65 SX on Mack chassis.

Schwing will be displaying line pump on Isuzu Truck apart from stationary pump models SP750, SP2800 and SP3800. Sludge pump and Truck mixers 15 m³, an Ultra eco model on MAN chassis are our other attractions. We will also be displaying HN4 Batching plants with a skip and truck mixer concrete pump model FBP26 - 100, apart from recycling plant RA12. Some of the technology demonstrations are on Smart switch, Iron fist, simulators, vector control, easy flex, spiral technology, direct drive are the new innovations Schwing would like to demonstrate to the visitors at the exhibition.

Speaking on the occasion, Mr. Anand Sundaresan, Vice Chairman and Managing Director, SCHWING Stetter India Private Limited, President, Indian Construction Equipment Manufacturers Association (ICEMA) said that Bauma 2016, is very significant for the construction industry, both for the manufacturers as well as the contractors. It is a great opportunity for equipment manufacturers to explore tie-ups and co-operation with overseas manufacturers for the equipment required for various infrastructure projects envisaged in the country, specifically the equipment required for rural road development and state highway up-gradation projects where there is a huge shortage of manufacturers offering high performance equipment.

ICEMA will be making a presentation during the India day symposium organised by VDMA highlighting the activities of ICEMA, the opportunities available in India both for equipment and component manufacturers, with a view to invite them in setting up shop in India in line with the government’s make in India policy. ICEMA has also lined up series of meetings with various international associations like CECE, CEMA and International Associations Council (IAC) with a view to exchange and extend cooperation on technical matters, standards governing CEMM equipment, skill development, adoption of international best practices etc. This Bauma 2016 would be an eventful mission for ICEMA.
Make in India week

Mr. Anand Sundaresan, President, ICEMA made a presentation on Indian Construction Equipment industry and the opportunities available to Make in India at the seminar on Construction Equipment and Technology held on 17th February, 2016 at Mumbai.

El Awards Meet

Mr. Anand Sundaresan, VC & MD, SSI, President, ICEMA was part of an interactive panelist discussion, CEO forum held concurrently on the theme Make in India – Fuel Infra at the 3rd Annual Equipment India Awards on 16th March 2016 at FICCI Federation house, New Delhi. The forum deliberated on the theme, leaving the distinguished audience spellbound.

Investment Road Show

Mr. Manohar Lal Khattar, Haryana Chief Minister was in Chennai for a road show for the Global Investor Summit held on March 7th, 8th at Gurugram. Schwing Stetter India was a part of the road show.

Central Minister Visit

Shri. Rajiv Pratap Rudy, Hon’ble Minister of State (Independent Charge) for Skill Development and Entrepreneurship said, “The Indian Government has been emphasizing the “Make-in-India” campaign consistently. While there are many manufacturing companies across India, most of them are running short of skilled labour. To encourage employment across these companies, skilling labour is the utmost need of the hour. India should be a country filled with entrepreneurs, and we need more private partnerships that will in turn provide jobs for more people across rural areas. Handling concreting equipment is a skill that needs to be specially trained and Schwing Stetter India is doing a phenomenal job in training several youngsters in this field.”

BAI meet at Madurai, Karaikal and Kolkata

Mr. V.G. Sakthikumar, MD, SSSPL graced the occasion as the Guest of Honour at the Platinum Jubilee & Builders Day on 19th February 2016 at Madurai and at the installation function of Mr. N. Anbazhagan as the Chairman 2016 – 2017 at Karaikal.

MES Builders Association of India - Kolkata branch had organized their All India council meet cum Technical session on 5th March 2016. Schwing Stetter India were the main sponsor for the event and displayed Self Loading Mixer SLM 4000 at the gathering.
Schwing Stetter India with its expertise in concreting the world for last 82 years, has joined its hand with renowned construction equipment manufacturer XCMG for introducing advanced tower cranes in India. Schwing XCMG introduces 5 tonne and 6 tonne range of tower cranes that can withstand the extreme conditions in construction sites. These highly adaptable fast erecting tower cranes are designed with several features to handle high rise projects. The tower crane made by Schwing-XCMG comes in capacities of 5 tonne and 6 tonne, with free standing height of 35 meters the tower crane withstand upto 1.3 ton at the tip load and 5 ton at minimum radius of 2.4 meters and maximum height can go upto 140 meters.

Some of the pioneering features of the Schwing- XCMG Tower crane includes:

- **Fixed type mast structure**
  Fixed mast with the dimension of 1.2 x 1.2 x 3m is made for easy transportation and assembly.

- **Angle type structure with pin connections**
  Special high yield strength angle steel in the mast, basic mast & fixing angles with 8 pins clamping of mast from external / internal side pins interlocked offer strong fastening of masts, good stiffness stability and high reliability and sustain higher wind loads. Ladder with safety cage and rest platform for the convenience of operator and maintenance crew on masts.

- **Introduction trolley**
  Introduction trolley is provided for adding the mast which is safe and efficient.

- **Hook**
  Hook made for changing from 4 fall-2 fall. Nylon pulley on hook provided for safety.

The Hoisting mechanism is designed to lift 5 ton, having larger size rope cable drum. Option of Non Variable Frequency motors (3 speed-pole changing motor) provide simple and reliable hoisting operation.

According to the demand of users the frequency altering and step less regulated, eddy-brake / electro mechanical brake / thruster, brake speed regulated motor is adopted in hoisting mechanism. It is very useful for smooth running & stability.

**Main advantage in Schwing-XCMG tower crane is that it’s an external type tower crane that can be used as an inner climbing tower crane also.**

The safety features in our tower cranes are as follows:

- **Slew limit**
  Slewing limit allows stopping slewing movement of the jib after it takes 1.5 turns in left or right direction to avoid damage to electrical wires and excess torsion.

- **Hoisting limit**
  Hoisting limit allows stopping hoisting movement, when the hook block approaches the trolley and the ground. It is to control the up-down limit. While hook moves towards the trolley switching of the contactor is achieved at the length of 1.5m from the trolley and hook.

- **Trolley limit switch**
  Trolley limit switch stops the trolley movement when it approaches the jib end. It is to control the in and out Limit. Switching off the contactor is achieved by moving the trolley.

- ** Moment limit**
  Moment limit was integrated with over weight limit. These limit switches ensures that the operator does not exceed the specified load at the respective radius. Crane operation has to be stopped whenever overloading occurs, beyond the permissible limits. Over Load Limit is used to control the load.

Schwing Stetter India is also importing and trading eight tonnes, ten tonnes capacity of Tower cranes and also luffing cranes. Manufacturing concrete and non concrete equipment in India through our "Make in India" campaign has always been our forte.
Dear Customer,

A very warm greeting!

The Concreting Times 15th Issue, Q2 2016 has reached you, at the time SSI has experienced a series of changes and positive developments triggered by the growth in the concreting industry. Our new product range namely Tower Crane, Motor Graders and Wheel Loaders have reached various construction sites across the country giving us a great opportunity to serve you in more than one way.

In this issue, we have brought you the details of projects from Jammu & Kashmir, Jabalpur, North-East, Mumbai and Kerala, literally covering the whole of India. Some of your visit, to Bauma 2016 Exhibition added colour to our display which in this edition of Bauma turned out to be a big technology demonstration of the Schwing Group.

On the training front, Hon’ble Shri Rajiv Pratap Rudy, Minister of State (Independent Charge) Skill Development and Entrepreneurship, visited Schwing Stetter India. Encouraged by his visit, we will be applying for more numbers of center of excellence under Skill Development Program in the near future. These proposed Centers in Delhi, Kolkata and Pune will benefit our Customers, Operators and Maintenance crews across the country. We will soon be expanding our Spare Parts Depot in new locations in this quarter and we will share the details in the upcoming edition.

Happy reading!!!

With best regards,

V.G. Sakthi Kumar
Managing Director - SSSSPL
sakthikumar.vg@schwingstetterindia.com

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

Managing Director - SSSSPL
sakthikumar.vg@schwingstetterindia.com

SCHWING Sludge Pumps

- High performance design
- Reliable and safe
- Low owning and operating costs
- Low maintenance costs

SCHWING is one of the leading manufacturers of hydraulically driven twin-cylinder sludge pumps (KSP) and provides turnkey solutions for the transport and storage of sludges as well as materials with a high solids content. We are a customer centric organization driven by expertise which helps us innovate. Our Industrial and Environmental technology solutions helps in almost all the industries like pumping of dewatered and dried sludge in Waste Water Treatment Plants, fly ash handling in Power Plants, Mine Backfilling and Offshore drill cuttings.

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