

CONCRETING TIMES

SOUTH EAST ASIA

Schwing Stetter India in Irrigation Projects



Dear Customer,

Greetings.

We are happy to share with you the growing patronage for Schwing Stetter equipment in South East Asia. After the successful event of Intermat in Bangkok, we had very encouraging footfall at the Cambuild 2017 at Phnom Penh, transport and logistics expo in Philippines and construction Indonesia in Jakarta in September.

The highlight of construction Indonesia is the launch of Stetter Self Loading Mixer SLM 4000 for the South East Asian market. We are happy to share with you some of our machines performing in the key job sites; SCG Ready mix in Cambodia at National highway 2, Schwing Truck mounted concrete boom pumps S 36 X with the NFH constructions in Naga City, Philippines and EPL General Construction, Philippines. In 2017, Schwing Stetter India will be supplying machines to many more infrastructure projects in the South East Asia market. We will be expanding our dealer network and we will be sharing more information on this in our next edition.

Happy Reading.

With best regards,

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SP 3000 at Cambodia



Phnom Penh: Schwing heavy duty SP3000 pump with Volvo Penta engine is working for SCG ready mix concrete unit at National Highway 2.

Industrial Warehouse



Camarines Sur: This industrial warehouse project is being constructed by NFH construction supply in Naga City, Philippines. Schwing Stetter India equipment in use at this project is a truck mounted concrete boom pump S 36 X. Concrete pressure used is M20. Total volume of concrete poured so far in this project are 85m³.

Star Mall



Pili, Camarines Sur: This mall building project is being constructed by EPL general construction. Schwing Stetter India equipment in use at this project is a truck mounted concrete boom pump S 36 X. Total volume of concrete poured so far in this project are 60 m³ at a concrete grade of M30.

Cambuild 2017



Phnom Penh: Schwing Stetter India was part of CAMBUILD'17, the biggest international building & construction industry exhibition which was held from 7th - 9th September 2017 at the Diamond island exhibition centre, Phnom Penh. CamBuild'17 was 50% bigger and welcomed over 350 exhibitors including pavilions from Singapore, India, Taiwan, China, Malaysia and Thailand. Schwing Stetter India's stall was the most focussed stall for concreting equipment in construction.

Transport and Logistics Expo



Philippines: Schwing Stetter were part of two expos; Transport & Logistics, Philippines held between August 17th-19th, 2017 at the SMX convention center and MAN roadshow 2017 on May 20th, 2017 at CBD plaza hotel, Naga city, Philippines. The feedback from both these events were very positive. Sales order booking is on an upward growth trend.

Construction Indonesia

Jakarta: SCHWING Stetter – through its Indonesia representative office participated in Construction Indonesia Exhibition 2017 held from September 13th – 16th in PRJ, Jakarta. Schwing Stetter displayed CP30 compartment batcher batching plant, AM7FHC2 mixer mounted on Hino chassis and the hot selling stationary pump model SP 2800. SCHWING Stetter also launched the self-loading mixer SLM 4000 for the Indonesian market, during this show.

SCHWING Stetter stall, spread over 450 sq.m in the outdoor area, was one of the main construction equipment focussed pavilion. With the reputation of being the most popular concrete pump manufacturers in the world, SCHWING Stetter received many prestigious visitors during the 4 day event. Visitors included key decision makers from Government owned construction companies, private sector customers, rental fleet owners as well as many interested prospects from across the archipelago ranging from Aceh in NorthWest island of Sumatra to Papua in Eastern most region of Indonesia.

There was a lot of anxiety about SCHWING Stetter Self Loading Mixer, and initial reaction of visitors after seeing the flexibility of the heavy weight champion was overwhelming. We already have many prospective customers, who are seriously interested in owning one of these versatile SCHWING Stetter equipment. Apart from the SLM, we also received extremely good response for stationary concrete pump as well as transit mixers. Discussions for more than 10 stationary pumps and 100 mixers were initiated during the exhibition.



SCHWING Stetter has been present in Indonesia since 2012 with the Indonesia representative office established to closely liaison with prospective customers to understand their requirements and provide most suitable solutions to their concreting needs. With more than 50 installations, across the island nation in the last 4 years, SCHWING Stetter is now a very well-known concrete equipment brand in Indonesia.



Schwing Stetter India in Irrigation Projects



Kaleshwaram Lift Irrigation project

Water, it has been said, is the "oil of the 21st century". With the widespread scarcity of water that has been felt worldwide due to ever-increasing demand for industrial, municipal and other users, besides agriculture. India with 2.4% of the world's total area has 16% of the world's population, but has only 4% of the total available fresh water. This clearly emphasizes the need for water conservation and water resource development on top-most priority.

precious water for further extension of the irrigation network. Cement Concrete Lining has been a time-tested solution for wastage of water through seepage.

Reinforced-concrete construction is well adapted for irrigation structures. The one great advantage of concrete is its great durability. The structures most frequently used in irrigation are gates or turn-outs, or division boxes placed at the heads of ditches; measuring boxes, drops or falls used where the slope of the ground is steeper than the grade that can be given to the canal; dowel banks, underpasses, off take sluice, off take regulator, Siphon aquaduct, pipe siphons and flumes to cross depressions and for side-hill work; bridges, and culverts.



Ghatghar Roller Compacted Dam

The Indira Gandhi Canal, 9,425 km is the longest canal in India and the largest irrigation project in the world constructed as early as 1958. 3.4 billion concrete tiles were used to line the canal. Lining of canals and tunnels, concrete pipes are essential for minimizing water losses, optimal use of water systems and efficient use of land. Control of seepage saves



3 m³ Nimo concrete mixer at tunnel concrete lining



H4N 124 plant produced 6 lakh m³ concrete also produced 35,000 m³ in a month

Stetter Batching plants, Schwing concrete pumps, Schwing concrete boom pumps, Stetter concrete truck mixers, Stetter recycling plants and Gomaco pavers are many of the equipment from Schwing Stetter India working in irrigation projects. For instance, concrete volume of around 10 lakh m³ are used in Kaleshwaram lift Irrigation project.

Ghatghar pumped storage scheme for 250 MW hydro power generation wherein Schwing Stetter India played a major role in supplying Stetter batching plants and Stetter concrete mixers.



RET Irrigation project, Bhawanipatna, Odisha

In India, for the first time, construction of two storage dams in RCC namely upper and lower dam were constructed in



H6N batching plant at Subansri where 10⁰ centigrade concrete was supplied through a belt conveyor

Also, Schwing Stetter India has always been a part of large, medium and small Hydroelectric & Irrigation Projects with concreting achievements in Parbati Hydroelectric Power project, Sianj Hydro Electric Power project and Subansri Hydro Electric Power projects.

Little Caesars Arena: Pumping, Pumping



Little Caesars Arena is a multi-purpose venue under construction in midtown Detroit, underway since April 24, 2015, following a formal groundbreaking ceremony on September 25, 2014. Cross Concrete Pumping, Melvindale, Michigan, has been on the job since August 2015, working for Tooles Contracting Group/CCC Joint Venture of Detroit, self-performing all of the concrete, place and finish work. The \$732.6 million arena, scheduled to open in September 2017, will be the home of the Detroit Redwings of the National Hockey League and the Detroit Pistons of the National Basketball Association.

More Pours

"Our main contract was for the foundations, main level slab on grade, and all of the decks, including club level, upper concourses and the roof," explains Cesar Gonzalez, director of concrete for Tooles. Foundations included a 40-foot perimeter wall and three cores that are 220 feet in height. Subsequent contracts have included flatwork for the surrounding buildings that are still under construction.

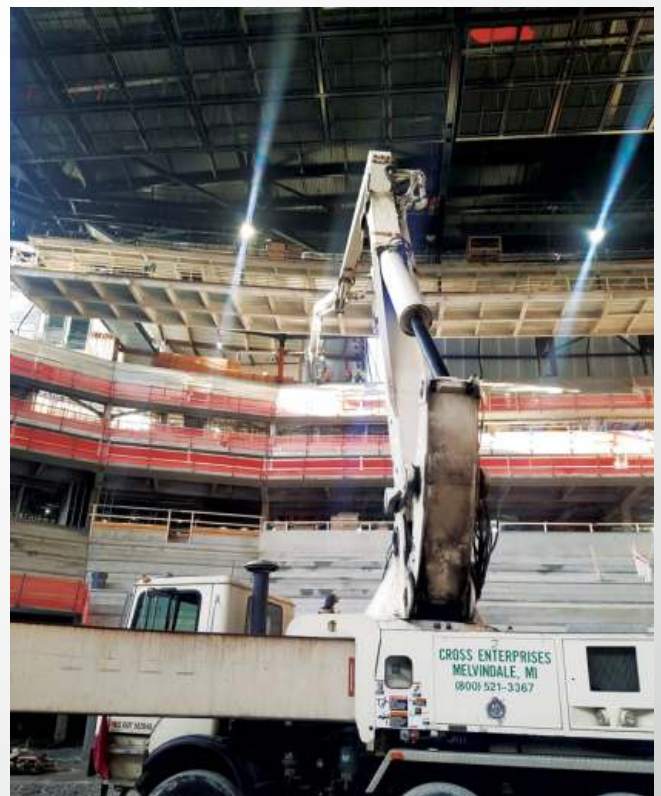
"Toole's has said many times of the project, 'This is the last pour,'" says Steve Cieszlak, concrete pumping manager. "But they keep getting more work and we keep sending pumps to the site." The arena is about 20 minutes from the pumper's yard.

Big Pours

Massive foundation pours exceeding 1,600 yards each were accomplished using Schwing S 58 SX truck-mounted pumps with placing booms. Because the event level is 40 feet below grade, many of the pours took advantage of the flexibility of the 175-foot Overhead Roll and Fold booms, which position all the articulation on the working side of the boom. "These mass pours could be pumped at high volume, which was easily handled with the 213 yard-per-hour capabilities of these pumps," states Cieszlak.

As concrete work progressed to the three 220-foot tall elevator cores, more than 300 feet of pipeline system was needed to reach the formwork. Cross used their Schwing BPL 4000 truck pump with 2023H-6 pumpkit to apply up to 1,233 psi on the concrete and meet production goals.

The arena houses two full size ice rinks. "The practice rink was poured in August 2016 and the NHL rink was pumped in March," Gonzalez noted, "Both were finished to a high FF/FL number." The pumper positioned the S 46 SX inside the arena and utilized the EASy one-sided outrigger set-up, standard on



the machine, to pump out the rink in one continuous pour. "The Super X outriggers saved space, and by extending only the rink side outriggers, the operator was able to cover the rink," according to Cieszlak. With all of the allowable short rig scenarios available through the EASy System integrated into Schwing's Vector Controls, even during the critical setup phase, the system monitored and ensured the safety of the pump and operators.

Avoiding Delays

Coordinating the pumper's fleet of 20 concrete pumps with the needs of the high-visibility job is essential. "The job has a \$10 million dollar liquid damages for delay clause in the contract," explains Gonzalez, "because even a one-day delay opening a venue like this can affect so many other contractors."

The pumper's policy of providing 24/7 customer service fits the needs of the project. "Our dispatcher, Lisa Vandercook, is integral to the arena project," explains Cieszlak. "She will communicate with the project staff to make sure we have the right pump when they need it, while also taking care of our other customers. For example, if the job required the maneuverability of a five-section boom, Lisa would send out our S 43 SX with 270 degree tip section."

Cieszlak and the pumper's branch manager, Kenny Spader, make daily trips to the arena to make sure the customer has the right pump for the job. "If the call comes in at 5:00 a.m. that there are two flex hoses short to cover a pour, we will have them there in minutes," states Cieszlak. Gonzalez sums up the concrete pumping on the project in one word, "Excellent."



Schwing S 58 SX Long booms contributed to the efficiency of concrete pumping

Everything They've Got

Cross has used every boom pump in their fleet on the project from 31 to 58 meter plus line pumps. "Our S 31 XT with the telescoping five-section boom has been a real asset," says Cieszlak, "With its low unfolding height and 270 degrees of articulation at each of the last two sections, it is the perfect boom to snake into tight areas like stairway pours."

More than 53,000 cubic yards of concrete have been pumped date on the project, and there have been 283 orders for pumps. "We are on schedule, despite plenty of changes in the pour plans over the course of the last two years," notes Gonzalez.

Cieszlak describes the working relationship with Toolies as "mutual respect with a common goal to get it done right and on time."

One Stop Concreting Partner In India



Kancheepuram : Self Loading Mixer SLM 4000 comes with a wheel base of 2600 mm and a track width of 1988 mm. The drum swiveling angle feature has a major advantage of 255 degrees and double helix spirals for faster discharge. Mixing time is very less at 2 minutes. It has a special feature of shovel gate opening and closing system. Operator can adjust the steering as per their ergonomic comfort. It has a round and pressed form manhole for easy maintenance. Kindly contact us for further enquiries.



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