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CONCRETING TIMES

SOUTH EAST ASIA

Concreting the Way of Life

Metro Rail Projects



- ◀ CT News
- ◀ Cover Story
- ◀ Notable Projects

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Dear Customer,

Greetings!!

I am very pleased to speak to you through this fourth issue of Concreting Times-South East Asia. More Stetter plants, mixers and pumps have reached the shores of Cambodia, Malaysia, Singapore, Thailand, Philippines, Indonesia, Myanmar, Sri Lanka, Bhutan and Bangladesh in recent months.

We shall be sharing with you in this issue about our successful participation in "Phil Construct and Construction Indonesia 2015" show in Asia Pacific.

Many ASEAN cities are experiencing construction of metro rail projects and we are sharing with you the performance of our machines in one such projects in Chennai, INDIA.

I hope our Notable Projects in Philippines, Vietnam and Cambodia is of interest to you.

Happy reading!!!

With best regards,

V.G. Sakthi Kumar

and

Sisy Augustine

Editorial Team, Concreting Times - SEA
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Phil Construct 2015



Schwing Stetter products were proudly introduced on October 8-11th in Philippines No. 1 Construction show, Phil Construct 2015. Products that were displayed are concrete pump SP1200 and the Schwing Stetter 8 cubic Transit mixer. The booth design was made by a design firm named Integrated Designs for Exhibits and Advertisements (IDEAS). The design booth was made of wood with a real cement finish. It was realistically designed with sand and gravel to preserve the concept of a construction site.



Visit of Ambassadors from South American countries



Confederation of Indian Industry had organised visit of Ambassadors from South American countries of Bolivia, Guatemala, Colombia, Venezuela, Ecuador, Paraguay, Mexico to Schwing Stetter India facility in Chennai on 26th August 2015. The dignitaries were received by Mr. Anand Sundaresan, VC & MD, SSIPL and Mr. V.G. Sakthikumar, MD, SSSSPL. This marked the beginning and growth of the German enterprise construction industry. The following were the dignitaries:

H. E. Mr. Jorge Cardenas Robles, Ambassador of Bolivia, H.E.

Mr. Georges de La Roche, Ambassador of Guatemala, H E Ms. Monica Lanzetta Mutis, Ambassador of Colombia, Mr. Augusto Castellano, Charge De Affairs of Colombia, H E Mr. Augusto Vladimir Montiel Medina, Ambassador of Venezuela, H.E. Mr. Mentor Villagomez, Ambassador of Ecuador, Mr. Potricio Gorces Rominez, Charge De Affairs of Ecuador, Mr. Brigido Lezcano, Charge De Affairs of Paraguay, Mr Rodrigo Blanco Zamora, Trade & Investment, Mexico.

H. E. Mr. Jorge Cardenas Robles, Ambassador of Bolivia said that "it's a nice niche market to develop for construction and it is very much needed in our region". Mr. Brigido Lezcano, Charge De Affairs of Paraguay, found the visit to be very impressive and delighted.

An Achievement Indeed! - Vietnam



Schwing Stetter Transit Mixer will be seen now on in Ho- Chi-Minh City in the Readymix concrete business. Our first batch of AM7FHC2 has reached Vietnam.

Make in India



A special session on "Make in India" was conducted in BAUMA Con Expo 2015 in Johannesburg, South Africa by Confederation of Indian Industry, Department of Industrial Policy and Promotion and High Commission of South Africa. Schwing Stetter India has been prominent in manufacturing concrete equipment since 1998. This session strengthened the Indian construction equipment presence globally.

An Indonesian Concreting Success Story

About Customer

PT Nusa Konstruksi Enjiniring Tbk is Indonesia's largest independent, non-state-owned General Contracting Company with construction and engineering as core business. NKE's construction & engineering capabilities cover both civil & structural works.

Since establishment in 1982, PT Nusa Konstruksi Enjiniring Tbk has successfully completed over 150 infrastructure projects and over 180 building projects, not only in the greater Jakarta region, but across all Islands of the Indonesian Archipelago.

Landmark Projects

Grand Indonesia Shopping Town Complex, Jakarta – Largest Mall with about 5.4 sq km of shopping area, Hotel and Office Building (Kempinski and Menara BCA)

- Indonesia Stock Exchange Building, Sudirman Jakarta
- Botanica Residences, Jakarta
- World Capital Tower, Kuningan Jakarta
- Senopati Penthouse, Jakarta
- Senopati Suites, Jakarta
- Hasanudin Airport, Makassar
- Kuala Namu Airport, Medan
- Martabe Gold Mine Service, North Sumatra



SCHWING EQUIPMENT :

Stationary Concrete Pumps

SP 3500	:	1 No
SP 2800	:	4 Nos
Sp1800	:	2 Nos



Why SCHWING Stetter India

SCHWING Stetter India being reputed as world leaders in Concrete equipment, specially, the Stationary Concrete Pumps, offer some of the most rugged and highly reliable equipment for construction industry. NKE purchased the first SCHWING Product, Stationary Concrete Pump, SP 3500 in 1995 which was originally used during the construction of the famous Twin Towers in KL. This was sold to a local contractor after using for 18 years thereafter. This long life and service and spare parts support even after 25 years of use, prompted purchase of 6 new SCHWING stationary pumps in 2013 & 2014.



Construction Indonesia 2015



SCHWING Stetter India once again proved itself as one of the most formidable total Concrete Solution Provider by showcasing its entire product range during this year's Construction Indonesia 2015 show organised by PT Pamerindo Indonesia. The event was held from September 09 till September 12, 2015 at the Jakarta International Expo grounds, Jakarta. This was the biggest construction equipment event in ASEAN, which also hosted Mining Indonesia and Oil & Gas Indonesia, at the same time. The exhibition drew attention of serious buyers and technical experts in their respective fields, despite the ongoing down turn of economy and overall growth prospects in the region.



As a leading manufacturer supplier of Concrete Equipment having own representative office in Indonesia, SCHWING Stetter India launched the environment friendly Concrete Recycling Plant RA12 along with a new high pressure stationary concrete Pump SP3000, which is designed exclusively for the high rise buildings being constructed in Indonesia.



SCHWING Stetter India occupied a very prominent position near the entrance of the exhibition to showcase its cutting edge technology and superior product quality. The stall was spread over an area of 450 sq m and the display included Mobile Concrete Batching Plant M1C, Transit Mixer AM7FHC2 mounted on a Mitsubishi Fuso Chassis, newly launched SP3000, Truck Mounted Concrete Boom Pump S36X mounted on Mercedes Benz Chassis and the Concrete Recycling Plant RA12.



The stall looked very attractive with the glass wall displaying Schwing Stetter equipment used on various prominent projects across the world. The meeting areas and meeting rooms made our customers comfortable in the scorching summer heat of Jakarta, while discussing about their specific requirements of Concrete Equipment. SCHWING Stetter India also displayed the range of genuine spare parts available for the Indonesian customers.



Indian cities are among the world's fastest developing cities in terms of infrastructure, economy, and even population, which calls for a better transportation system. The transportation system of India is slowly taking a pragmatic shift to Metros. Kolkata was the first city to get rapid transit system in India, put in motion almost 25 years ago. Chennai is the second city in India to run a rapid transit system in 1995, Chennai Mass Rapid Transit System is an elevated railway line running within the city. Followed by Delhi Metro rail running across the national capital region. Currently metro rail projects are running in various parts of the country. After the success of the Delhi metro, 26 cities in the country are at various stages of planning and implementing the metro rail.

Schwing Stetter at Metro Projects

Concreting is one of the major work in metro construction, Schwing Stetter ranges of concrete equipments are used for concreting the metros across India. Majority of Construction work in metro project are differentiated into Elevated Corridor Structures, Elevated Railway Stations, Underground Tunnel Construction, Underground Railway Station, and Underground to elevated Interlinking junctions.

Metro Elevated corridors (Viaduct) are meticulously designed structures developed with immaculate understanding of high strength concrete. The elevated structures consist of precast segment made using special type of concrete. The State-of-the-art construction method helps to make Pre-cast Pre-stressed concrete segments. These segments are of different types like Box Girder Segment, Spine, Wings, Single Segmental U, Single Segmental Box, Segmental Box, Segmental U, Full U girder, Pre-cast pre-stress I girders, Cast in Situ Span, and Special span.

These pre-casted segments are prepared by casting concrete in reusable molds in a controlled environment. Then it is transported to construction site and set in place. Some of the pre-cast structures used in elevated metro stations are Platform sections, Precast post-tensioned cross girders and Pre-cast post-tensioned L-beams.

The elevated corridor also requires concrete pile cap, pier and cross heads (cast in situ/pre cast pier heads). Schwing Stetter's Batching Plants like CP30 and M1 are used for pre-casting various segments for the elevated corridors. Schwing truck mounted boom pumps like S20, S36 are used for concreting the pile cap, pier and cross heads. Underground Tunnel Construction is carried out using Tunnel Boring Machines (TBM) which not only excavates the tunnel but also installs precast concrete liners (tunnel rings). As the machine advances its movement drilling, pre-cast concrete tunnel liners are installed. The pre-casted tunnel rings are also made of special type of concrete which are designed to withstand various types of loads. Schwing Stetter Concrete Trailer pumps are used to concrete the floor inside the tunnel to lay tracks for metro trains. Underground Metro Stations are constructed using massive amount of concrete in which Schwing contribution is enormous. Underground Stations are constructed using cut-and-cover methods in two different ways "top-down" or "bottoms-up" approach. For the underground stations, diaphragm walls and plunge columns are constructed to ensure that soil does not collapse on the edges as the excavation progresses. The construction of the diaphragm wall is carried out from ground level using special type of concrete; Schwing Stetter Transit Mixers are employed to transport concrete for the construction of these walls.

Calveston Boracay Resort

EC STRUCTURAL COMPOSITES, INC.



CP 30 Batching plant

Total Concrete poured on the site is about 24,500 cubic metres. This is Calveston International, Inc.'s project in Cagban, Manoc - Manoc, Boracay Island. It is known as Calveston Boracay Resort. It's right next to Asya Premiere Suites on the beach. The equipment used in this project are shown in the images.



SP 1400 Stationary Pump

Santa Clara International Corpn.



The Pililla Wind Energy Service

The development of this project was for the residential renewable energy and at the same time for tourism in Rizal. The "Pililla, Rizal" Wind Energy Service Contract granted to Alternergy Philippine Holdings Corporation (APHC) covers an area of 4,515 hectares. Normal Operation of the pump was about 12 hours operating time with a maximum of 90 m³/hr.



Boom pumps are used on most of the larger construction projects as they are capable of pumping at very high volumes. Schwing Concrete pump ranging 36 meters vertical and 32 meters horizontal ranging distance.

In fact, the normal operation of the project was very consistent and has not encountered any trouble until the day ends. Thus, our product minimized their work load even during multiple activities that had to be done in a day. The equipment performance was cost efficient and at the same time, reduced time and effort for reliable operation. Hearing the feedback from our client is such an honor to be highly commended. Mr. Claro Bagalso once said: "Still worth it until the end of the day due to fast and consistent operation of Schwing Stetter equipment".

Phnom Penh Chip Mong Concrete



Our 1st SP 1800 (1397) at Phnom Penh to Chip Mong Concrete, commissioned in 2014 and now it is working in a RMC site.

Grand entry into Cambodia



1st CP 18 (979) at Preahvihear plant was commissioned in 2013 and 2nd CP 18 (1042) at Siem Reap was commissioned on 13th June 2015. It will be used for construction of a 6 km road.

**Crafted technology for
absolute reliability**

SP1200



**Schwing SP1200 pumps are highly reliable,
which comes with Rock valve technology and
low-fuel consumption.**



A member of the Schwing Group

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