Issue March 2017

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Water I Energy I Infrastructure I Environment

Welcome

The Monthly Newsletter of SPML Infra Limited is designed to share the company updates, developments and important information with clients, shareholders, bankers, and employees that helps achieve our objectives of smart & sustainable infrastructure development in the country.

In this issue:

Features on

SMART URBANIZATION

The urbanization trend in India is faster than any other developing economy in the world. Urban India is growing both in terms of populations, economy and scale that demands for better amenities and services. The parameter of living is becoming higher with greater demands for the quality services, clean environment, continuous power and water supply, better sanitation facility, modern transportation, intelligent infrastructure, information availability and technological connectivity with effective governance. With the present state of available infrastructure resources, urban India is already under tremendous pressure to meet the demands of increasing population.

SPML Infra has competently positioned itself to provide integrated solutions for designing, developing and managing smart and technologically advanced infrastructure with optimised usage of resources, enhanced quality of life, connected and transparent public services and better environment.

Media Buzz

Swarnim Gujarat Water Grid Project, coverage in Indian Infrastructure, Febuary 2017 issue

SPML Chairman, Mr. Subhash Sethi speaking to NDTV Profit

SPML Chairman, Mr. Subhash Sethi speaking to CNBC TV 18

Please click on image above to access the media coverage

Q+A

The recent years have been good for our power T&D business

— **Subhash Sethi,** Chairman, SPML Infra Ltd

*In this quick interaction, **Subhash Sethi** discusses the order book of his company's power sector business. Sethi's views were sought in the backdrop of a major Rs.460-crore order from Power Grid Corporation of India for building substations in the northeast. Sethi is optimistic that power T&D will see a rising share in the company's overall business portfolio.*

SPML Infra recently won an order worth over Rs.460 crore for building substations, from PGCIL. Tell us about the scope of this order. Does this qualify to be amongst the single-largest orders for SPML in the power sector, in recent times?

These are three different orders with combined cost of Rs.461.04 crore received from Power Grid Corporation of India Ltd under the "North Eastern Region Power System Improvement Project" scheme being funded by the World Bank.

The scope include design, engineering, supply, erecting, testing and commissioning of 16 units of 132/33/11kV substations, as well as substation extensions, in different parts of Tripura. The order also includes 5 years of operation & maintenance for communication equipment. These are substantial orders for SPML and we are hopeful to receive more orders under this scheme in north eastern region.

When do you intend starting work on this order and what is the scheduled completion date?

We have already started our preparation with design and engineering of these orders and it will be completed within the completion period of three years.

Meanwhile, we have also started our initial preparation of other orders received from Jharkhand Urja Sancharan Nigam Ltd for 220/132/33kV (2x150+2x50 MVA) grid substation at Ratu (Burmu),

Jharkhand; and from West Bengal State Electricity Transmission Company Ltd for 220/132/33kV GIS substation at New Town, 24 Parganas (North) district, along with two 220kV AIS feeder bays at Domjur substation at Howrah. All these projects will be completed within the stipulated period.

Tell us about some major ongoing orders in the power transmission space. Is there any major order that is likely to commission in the near future?

We are currently executing a number of power transmission and distribution projects in several states. Apart from rural electrification works in Patna and Gaya districts and

Power distribution and management project in Bhagalpur, Bihar where SPML has introduced new age technology for smart metering solutions, asset indexing on cloud, mobile application for consumption & billing information, 24x7 consumer complaint centre among many other initiatives.

SPML is also executing substation projects — 400/220kV substation with 1x500 MVA and 400/220/33kV autotransformer in Mainpuri, Uttar Pradesh; 400/220kV substation with 1x500 MVA and 400/220/33kV Autotransformer in Sikar, Rajasthan; 220/132kV GIS substation in Alipurduar, West Bengal; 132/33Kv GIS Substation in Bajkul, West Bengal; 220Kv substation in Mirzapur, Uttar Pradesh etc.

Some of our projects including rural electrification work in Patna and Gaya, substation projects in Uttar Pradesh and West Bengal will be completed within this year.

What is the currently the share of power T&D-sector related orders in the total order book position of SPML Infra? Has this share improved over the years?

SPML has received good orders in power T&D-sector in the last few years and it has contributed almost 30 per cent of company's total revenue. We expect to get more orders in power segment and certainly the share of power projects in our overall business portfolio will increase. ■

SPML Infra Recieved New Orders of INR 1152 CRORE

SPML received National & International New Orders worth INR 1152 Crore for Power Substation, Rooftop Solar Power Plant, Water & Wastewater Treatment, and ICT for Municipal Solid Waste Management in India & Irrigation and Watershed development projects in Rwanda.

International Business:

- USD 16.58 Mn (INR 112.14 Crore) international order from Director General, Rwanda Agriculture Board for development of irrigation and watershed in Mpanga Sector in Rwanda, Africa

Power Business:

- INR 461.04 Crore (3 packages) from Power Grid Corporation of India for 16 Nos of Substations / Extensions of 132/33/11 kV in Tripura under North East Region (NER) Power System Improvement Project
- INR 106.92 Crore order from West Bengal State Electricity Distribution Company Limited for Rural Electricity Infrastructure Development in Murshidabad
- INR 89.40 Crore from Power Grid Corporation of India Limited for Extension of 400/220 kV AIS Substation in Malda and other towns of West Bengal
- INR 73.45 Crore from Jharkhand Urja Sancharan Nigam Limited for 220/132/33 kV Grid Substation at Ratu (Burmu), Jharkhand
- INR 56.48 Crore from West Bengal State Electricity Transmission Company Limited for 220/132/33 kV GIS Substation at New Town, 24 Parganas (North) along with 2 Nos 220 kV AIS Feeder Bays at Domjur Sub-station, Howrah
- INR 48.88 Crore from Haryana Vidhyut Prasran Nigam Limited for 220 kV GIS Substation in Faridabad

Rooftop Solar Power Business:

- INR 22 Crore from Solar Energy Corporation of India Limited for Rooftop Grid Connected Solar PV System in 4 States, Delhi, Haryana, Rajasthan, MP with 1000 KW in each state with 5 years operation & maintenance

Water & Wastewater Business:

- INR 90 Crore from Dholera Industrial City Development Limited, Gujarat for construction of 50 MLD water treatment plant, clear water reservoir and water transmission system with 5 years operation & maintenance
- INR 31 Crore from Haryana State Industrial and Infrastructure Development Corporation Limited for construction of 12.5 MLD Common Effluent Treatment Plant (CETP) at Industrial Estate, Bahadurgarh, Haryana

Municipal Solid Waste Management Business:

- INR 60 Crore (approx) from Bharat Sanchar Nigam Limited for e-SBM, an ICT Platform under Swachh Bharat Mission to track and monitor waste transportation in 640 cities of India for enabling effective Solid Waste Management in Urban Local Bodies.

PROJECTS COMMISSIONED

Integrated Sewerage System for Kanpur

As part of the clean Ganga mission, Kanpur Sewerage System is strategically planned and executed to treat the sewage and effluent of the current population of more than 3 million people and numerous industries with inbuilt capacity to handle the future demands for next 30 years. The project involves design and construction of sewerage network and sewage treatment plant on turnkey basis with facility of bio-gas generation from sludge treatment that will be utilized by 3 biogas engines to generate 1140 Kw power to fulfill the partial power requirement of the plant.

Surajpura Water Supply Scheme, Rajasthan

Surajpura Water Supply Scheme, Rajasthan

SPML commissioned 200 MLD Water Treatment Plant at Surajpura, District Tonk to enhance the existing capacity from 400 MLD to 600 MLD to augment water supply services to Jaipur and other areas.

70 MLD Sewage Treatment Plant in Nasik

70 MLD Sewage Treatment Plant in Nasik

SPML commissioned 70 MLD sewage treatment plant in Nasik to provide treatment and safe disposal of wastewater produced by residential colonies and commercial and institutional establishments of Nasik city having more than a million population.

This involves collection, primary treatment and biological treatment to make it safe for disposal. Collection of digested sludge and digested sludge dewatering system along with common chemical preparation and dosing facilities for gas production that will be utilized in biogas engines.

53.5 MGD Sewage Pumping Station, Preet Vihar, Delhi

53.5 MGD Sewage Pumping Station, Preet Vihar, Delhi

SPML commissioned the pumping station and 7.2 km of 1200 mm dia HDPE pipeline, mainly trenchless to improve the sewer system of a number of colonies in East Delhi

132/33KV GIS substation, Bajkul , West Bengal

132/33KV GIS substation, Bajkul , West Bengal.

SPML commissioned this GIS substation along with associated works of Fibre Optic Communication System for linking substation at Bajkul, West Bengal.

PROJECTS UNDER EXECUTION

400/220 Kv Mainpuri Substation, Uttar Pradesh
Client: Power Grid Corporation of India Limited

220/132 Kv GIS substation, Alipurduar, West Bengal
Client : West Bengal State Electricity Transmission Company Limited

132/33 Kv GIS substation, Bajkul, West Bengal
Client : West Bengal State Electricity Transmission Company Limited

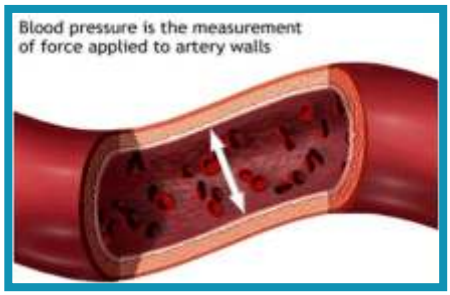
Distribution and Supply of Electricity in Bhagalpur Town
Client : South Bihar Power Distribution Company Limited, Patna
SPML have adopted new age technology for smart metering, asset indexing on cloud, mobile application for consumption & billing information, 24x7 consumer complaint centre and other initiatives.

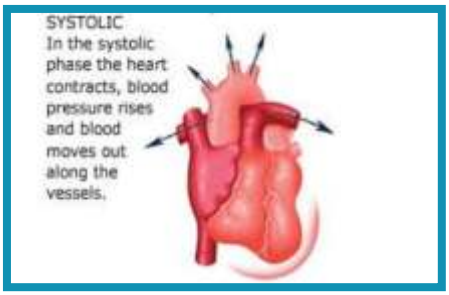
Gagreen Water Supply Scheme
Client : Public Health Engineering Dept., Jhalawar
Project is proposed to provide drinking water facility to 315 villages and 36 dhanies of Panchpahar, Pidawa and Gangdhar tehsil of Jhalawar district, Rajasthan

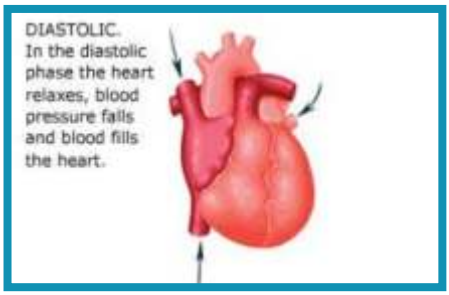
SPML's excellent project execution and management works has been recognized and it has received several national and international awards last year:

- **Construction Times Awards 2016** for Best Executed Wastewater Project of the Year
- **Frost & Sullivan India Awards 2016** as India Water & Waste Water Management Competitive Strategy Innovation & Leadership
- **Fortune India Next 500 Awards 2016** as 'One of the Giants of Tomorrow' – Fortune Magazine
- **NetApp Innovation Award 2016** for Integrated Management Information System - NetApp
- **Dataquest Business Technology Award 2016** for Unified Communications - Dataquest
- **CBIP Award 2016** for Optimum and Efficient Utilisation of Water Resources - CBIP

Blood Pressure Decoded







Blood pressure (BP) is the force exerted by blood on the arterial walls as it courses through the body. BP has two components, systolic and diastolic, and is written medically as systolic/diastolic, or as 118/80. The systolic pressure is the pressure of the blood when the heart is beating, and diastolic is the pressure between beats when the heart is at rest. Normal BP is anything less than 120/80 mm hg (millimetres of mercury). BP levels in adults are defined as either normal, pre-hypertension, hypertension stage 1 or hypertension stage 2 (see table below). It is important that BP be measured accurately. BP fluctuates—it is less when you sleep and increases when you are active, anxious, excited or stressed. But someone with high BP will show consistently high reading, regardless of their activity level on that day.

Lifestyle changes that can help prevent hypertension

- **Reduce body weight** - Maintain normal body weight for your height
- **Eat healthy** - Fresh fruits and vegetables, low in both total fat and saturated fat, & high in calcium and potassium
- **Reduce salt intake** - No more than 5g a day
- **Brisk walk** - 30 minutes of moderate aerobic activity, brisk walk at least five days
- **Reduce alcohol intake** – Two drinks a day for men and one for women
- **Quit smoking** – Quit smoking altogether

CYBER CRIME

The cyber fraudster is cleverly adapting features of new age technology with wider reach and devastating impact to commit cybercrimes that are difficult to trace and catch the culprits. Some of the recent techniques used to target corporate houses in India is following to be aware of it and be safe.

Ransomware Attack

Hackers both from outside and internal lockout sensitive corporate details and data to demand ransom (usually in the form of virtual currency such as bitcoins) for unlocking or releasing it. Sometimes they release the data to public domain without any demands to damage the business. Ransomware such as Reveton, Zepto, Cryptowall are known to restrict access to computer, servers, systems and demand ransom to remove restrictions.

Spear Phishing

The modus operandi is to identify potential target companies and gather information about key officials. Fraudsters then register a domain name that looks similar to target company's domain address. They create emails ids of top officials and send mails to finance directors or managers instructing them to transfer funds to an international bank account. Several companies have fallen prey to such fraudsters and lost good amount of money to them which cannot be traced.

Ransomware Attack

It involves implanting Trojans in computers of key person in accounts or in the companies email server to obtain credentials of email accounts. Using the Trojan, fraudsters monitor the email flow between the company and customers over a period of time and strikes at opportune time by impersonating the company to communicate directly with the customers or vice versa and asked to remit funds to an unknown account which is instantly emptied using international laundering syndicates.