



www.jel.com.sg

BULLETIN

ANOTHER SHOWCASE PROJECT WITH HHI

JEL has recently secured the award of a subcontract from Hyundai Heavy Industries Co., Ltd (HHI) in the Azzour North Phase 1 IWPP Project in Kuwait. HHI is the EPC contractor for the project, which when completed, is expected to supply a total capacity of 107 MIGD and 1550 MW of water and power, respectively.

This is the second HHI mega power project in Kuwait in which JEL was selected as the ideal partner to fulfil HHI's goals. HHI's working experience with JEL in the recently successfully completed Sabiya Combined Cycle Gas Turbine Project (Sabiya CCGT Project) had bolstered and strengthened HHI's confidence to award the subcontract work to JEL. The subcontract was signed on February 23rd 2014. The erection schedule is from March 2014 to June 2016.

JEL's scope of work includes the fabrication and installation of piping works for power block with pipe rack, and fabrication and installation of piping works for desalination. The first column erection for the water pipe rack started on May 20th 2014.

During the peak period, the workforce is estimated to be 720 staff and workers, both local and foreign.

On 5th July 2014, Mr Hiroshi Ide, Managing Director of

JEL, had a meaningful site visit and meeting with HHI Project Management, spearheaded by Mr K S Lee (HHI Project Director) and Mr C K Chung (HHI Piping General Manager). They affirmed JEL's dedication and commitment to support HHI.

JEL's Kuwait project team is determined to accomplish this project profitably and successfully—in time and safely—as we continue to thrive and expand our horizons in the region.



Mr Hiroshi Ide meets with Mr K S Lee, HHI Project Director (right), and is being presented with a memento on behalf of Azzour North Project Team



Main Rack #2 Structures Installation



WTR – II Pipe Rack Structures Installation

CHAIRMAN VISITS SINMADO ENGINEERING (INDIA) PRIVATE LIMITED (SMD)

On 19th August 2014, SMD India had the honour of welcoming Mr Bob Tan, Chairman of JEL, Mr Hiroshi Ide, and Mr T J Khor on their visit to SMD India's newly established "Design Centre" in Chennai, India.

The staff from SMD India gathered to warmly receive the distinguished guests, and after the exchange of pleasantries, the visiting dignitaries were briefed on SMD India's current business activities as well as the growth prospects of the "Design Centre".

The guests then took the opportunity during their walkabout to the various departments in SMD India to interact with the staff. Thereafter, Mr Bob Tan met with all the staff from the "Design Centre" on a one-to-one basis. He was very impressed with the availability of the engineering talent pool and expressed confidence that the "Design Centre" will complement the EPC Centre in JEL Singapore.



Mr Bob Tan, Chairman, being warmly received and presented with a garland and bouquet at the SMD India office



Mr Bob Tan, Chairman, interacting with engineering staff during his visit



Mr Hiroshi Ide receiving a memento from a SMD India staff

AWARENESS OF RISK IS THE KEY

The Risk Management Department (“RMD”) was established on 1st February 2014, following the restructuring of the organisation under the JEL Group Management Policies.

The new department is headed by Mr Steven Teo, an experienced manager who has been with JEL for many years and served in several capacities. The team comprises a section head, a senior executive officer, a liaison officer and an administrator.

Mr Ganesh, the senior executive officer, and Mr Taishi Sumida, the liaison officer seconded from IHI Corporation of Japan, assist Mr Steven Teo on risk management, compliance and internal control matters, and activities of the JEL Group of Companies. Mr Teo also oversees the Quality Management System, which is presently headed by Mr Subramanian Murugappan and assisted by Mr Ananda Kumar. Working closely with the HSE Department, Mr Murugappan is responsible for JEL’s integrated quality, occupational, safety, health and environmental management system based on ISO / OHSAS certifications, as well as

maintaining the qualification of ASME code symbol stamps (A, PP, S, U, U2 & R) obtained by JEL.

With a wider scope of responsibilities to include all subsidiaries, RMD’s immediate challenge is to focus on enhancing the existing framework on risk management and internal control system for the JEL Group of Companies.

RMD will focus on the following key areas:

- Establish Group Internal Control Framework to enhance internal controls and to ensure effectiveness and efficiency of operational controls in the Group
- Review and enhance project risk assessment process to ensure adequate controls and monitoring are in place to mitigate risks in projects undertaken by the Group
- Prepare and educate subsidiaries in Group Internal Control Assessment and ensure basic policies and guidelines are in place

Going forward, RMD’s immediate task is to review and have a better understanding of the operations in each

of the subsidiaries, and thereby provide guidance and support in establishing basic corporate governance, risk management, and control system for their operations. The challenge is for every major subsidiary to have its own risk management team before the end of the Group’s Five-Year Management Plan. To achieve this goal, the department will work closely with the management of the subsidiaries as well as the relevant divisions in JEL’s head office.

With JEL executing more Engineering, Procurement and Construction (EPC) projects in the region, it is imperative that risks be addressed early and closely monitored throughout the project life cycle. If risks are not adequately managed, the result can be costly. Early detection and counter-measures can prevent any serious impact to the Company.

The key success factor in Risk Management is to ensure that a strong culture and awareness of risks pervade every layer of staff in the JEL Group of Companies.



*Standing left to right:
Ganesh,
Ananda Kumar
Murugappan and
Taishi Sumida*

*Seated:
Steven Teo*

CRITICAL SHUTDOWN WORKS AT LUCITE

JEL Maintenance Pte Ltd (JML) successfully completed shutdown works at the Lucite Alpha 1 plant at Jurong Island. This maintenance job was completed in just 10 days—a critical time frame for both the owner and JML. Preparation works for the shutdown began in August 2014, and involved the fabrication and installation of a 3.5m high, 7m long and 50-inch diameter main condenser manifold header. This tie-in work was completed with a low 4mm tolerance. The scope of work also involved tower modification and overhauling of rotating equipment.



FUEL OIL SKID FOR SHELL BUKOM ISLAND

JML was awarded the Fuel Oil Skid Project from Macchi, Italy. This skid is for the Heat Recovery Steam Generator used at Bukom ECC Cogen plant. Scope of work includes material procurement, fabrication of base frame, piping spools and supports, installation, testing, painting, and preservation.



ECONOMIZER COILS MODIFICATION JOB AT 2 X 700MW COAL FIRED POWER PLANT, JIMAH, MALAYSIA

JML has successfully completed shop fabrication works for the bare tube coils for unit #20 and delivered them to the Jimah site under IPSM Malaysia. The job involved a total of 5,842 tube

joints and 52 sets of assembly. The challenges faced were the short duration of 45 days and difficult welding position due to fewer gaps between tubes.



JEL CELEBRATES THE MID-AUTUMN FESTIVAL

The Mid-Autumn Festival is also known as the Lantern Festival or Mooncake Festival. This popular festival falls on the 15th day of the eighth month in the Chinese lunar calendar, and is widely celebrated by the Chinese community in Singapore. Every year in Chinatown, the centre stage of the celebration, the streets are brightly lit with colourful lanterns and other dazzling decorations. Mooncakes are eaten during the festival. They are round, come in various flavours, and symbolise the unity and reunion of a family.

Close to the festival, many events are organised by different groups such as Chinese associations, residential communities, government and business organisations. There are activities such as Chinese culture performances, games, lantern-making competitions, and mooncake and Chinese tea appreciation under the moonlit sky. This is also an occasion for most families to gather around to enjoy dinner and mooncakes with their loved ones. Mooncakes are commonly presented as well-wishing gifts to business associates, parents and elders.

On 3rd September 2014, JEL's Social & Recreation Committee (SRC) organised a Mid-Autumn Festival celebration. As part of the event, a short skit depicting the tale of the Mid-Autumn Festival was performed by SRC members, who acted as Chang Er, Hou Yi and Feng Meng. It was an enlivening performance, punctuated by lots of laughter and cheers from the audience. The staff enjoyed the performance wholeheartedly and eagerly took pictures with

the performers.

Staff were then treated to pomelos and a varied spread of mooncakes. Other than the traditional baked mooncakes, there was a good mix of snowskin mooncakes, mooncakes stuffed with nuts, fruits and chocolate, and of course, the all-time favourite—durian-flavoured mooncakes!

It was a successful event and an enjoyable experience for JEL's staff. They not only got a chance to gather and enjoy each other's company, but also learned the story behind the Mid-Autumn Festival through an entertaining skit, and savoured pomelos and the wide variety of mooncakes.



SIEMENS RECEIVES SHARP AWARD FOR TUASPRING 411 MW COMBINED CYCLE POWER PLANT PROJECT

This year, the Singapore Workplace Safety and Health Council awarded Siemens with the Safety and Health Award Recognition for Projects (SHARP) for its excellent workplace safety and health performance in the Tuaspring CCPP project.

JEL is proud to be part of this prestigious project—having executed the HRSG and Balance of Plant (BOP) piping installation works for Siemens—and contributing to the attainment of the award.

JEL has performed well in areas of health, safety and environment (HSE) for this project through good project teamwork—headed by Mr Lee Chin Fatt, Head of Construction Department 1 (C1), and Mr Zaw Moe Aung, Site Manager—and sound implementation of HSE management systems and practices.



LUCKY DRAW CONTEST

For the first five correct entries picked, the winners will each receive NTUC Vouchers worth S\$30.00, sponsored by the Corporate Affairs Division.

Simply answer all five questions and send your answers together with your name and address to dewie@jel.com.sg or 25 Tanjong Kling Road, Singapore 628050.

(Hint: answers can be found in this issue.)

Name : _____ **NRIC No:** _____

Address: _____

The questions for the contest are:

1. SRC members played the roles of Chang Er, Hou Yi, and Feng Meng in the skit depicting the Mid-Autumn Festival tale. True or false?

2. What was Mr Bob Tan, JEL Chairman, most impressed with when he visited the “Design Centre” in India?

3. During the peak period of the Azzour North Phase 1 IWPP Project in Kuwait, the workforce number is estimated to be:

4. Give the date the Risk Management Department (RMD) was established and name two areas that the department will focus on.

5. What were the challenges faced by JEL Maintenance Pte Ltd (JML) in the timely delivery of bare tube coils to the Jimah site?



CONTACT

Marketing enquiries, comments and feedback should be addressed to the Corporate Affairs Division at marketing@jel.com.sg
Tel: 65 6265 3222 Fax: 65 6265 9842



Editorial Team: TJ Khor, Tee Keng Hock, Steven Chia, Steven Teo, Jasmine Chia, Khoo Li Ching and Dewie.

While every reasonable care has been taken to ensure the accuracy of the information printed in this bulletin, no responsibility can be accepted therefore.

Published by: Jurong Engineering Limited, 25 Tanjong Kling Road, Singapore 628050. Company Registration No.: 200500869G

Design & Layout: P D Addison Edited by: Karen Sim Printer: Shofech Press Pte Ltd