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BULLETIN

JEL SUCCESSFULLY COMPLETES ITS FIRST GEOTHERMAL POWER PROJECT

The PATUHA GEOTHERMAL POWER PLANT PROJECT 1 x 55MW (UNIT-1) ("Project") is located approximately 45km south-west of Bandung city, in West Java, Indonesia. The Patuha plant location is at a volcanic plateau, situated 2000 meters above sea level and is surrounded by volcanic mountains, such as Mount Patuha, South Patuha Mount and Mount Urug.

JEL secured the Project from Marubeni Corporation ("MC") for engineering and procurement of various BOP systems: raw water intake system, condensate/reinjection system, fire detection and protection system, treated water plant, chemical dosing plant, cranes and hoists, and communication/CCTV.



North elevation of the Power Plant Building



Bird's-eye view of the Geothermal Power Plant

The M&E erection work was awarded by MC to JEL's subsidiary PT Jurong Engineering Lestari (PTJEL). The Project was the first Geothermal Power Plant project for JEL and proved to be a challenging one. The relatively high altitude and sulphuric atmosphere at the project site had to be taken into consideration during the engineering and detail design stage.



West elevation of the Power Plant Building

Further, the unpredictable weather had always posed a challenge for the erection work. Nevertheless, with indomitable team spirit, dedication, and close co-ordination from our Erection and Testing & Commissioning teams, we managed to overcome the obstacles and have successfully completed the Project. The Plant was successfully handed over to the Owner, GDE (PT Geo Dipa Energi) on 20th October 2014.

Currently, the plant is in operation and Final Inspection (1st year inspection) was carried out in September 2015.



Re-Injection Pump Station of the Power Plant Building

JURONG ENGINEERING (BANGLADESH) LIMITED

– NEW CORPORATE OFFICE IN BANGLADESH

Jurong Engineering (Bangladesh) Limited (JEBL), a wholly owned subsidiary of JEL, Singapore, was incorporated on 22nd July 2002 with a view to expand into the Bangladesh engineering and construction sectors.

From 2003 to 2012, JEBL has undertaken mechanical, electrical and instrumentation works in Bangladesh; among them, the overhauling of 3 units of boilers for the Ashuganj Power Station Project in Brahmanbaria, under IHI Corporation of Japan.

Recently, JEBL was awarded the HRSG erection work and pipe fabrication work of the Ashuganj South 450 MW CCPP Project under TSK Electronica y Electricidad S.A. of Spain; HRSG, GT/ST, and BOP Piping erection work of the Ashuganj North 450 MW CCPP Project under the Consortium of Tecnicas Reunidas S.A. and TSK Spain; and the HRSG and ST/GT erection work of the Siddhiranj 335 MW CCPP Project under Isolux Corsan of Spain.

JEBL's new corporate office started operations in early 2015 and is well poised to realize the increasing opportunities within Bangladesh's rapidly growing economy. Together with management support and the technical expertise of JEL to back them up, JEBL is well able to serve the construction sector, provide maintenance solutions and work as EPC contractor.

On 1st September 2015, Mr Hiroshi Ide, Managing Director of JEL, visited JEBL to get an update on the projects in Bangladesh and the future plans for JEBL. Mr Ide was accompanied by Mr T J Khor, General Manager of the Corporate Affairs Division and Mr Alan Phang, General Manager of the Human Resources & Administration Division. During the visit, Mr Huda, Managing Director of JEBL, presented an overview of the current projects in Bangladesh and possible future projects. There were also exchanges on future plans to expand JEBL's presence in Bangladesh. Mr Huda then showed Mr Ide and his team around JEBL's newly renovated office and introduced the staff to the visitors. Mr Ide also met and interacted with colleagues at the office.



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Managing Director*

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Picture taken during MD's visit to Jurong Engineering (Bangladesh) Limited

JEL'S HUMAN RESOURCES AND ADMINISTRATION DIVISION UNDER NEW STEWARDSHIP

On 15th June 2015, Mr Tan Chee Hua relinquished his appointment as General Manager of the Human Resources & Administration Division. Mr Tan Chee Hua is succeeded by Mr Alan Phang Wan Yen.

Mr Tan, who joined JEL in the 1970s, has always been on the frontline, first as Site Administrator for JEL's landmark projects in Indonesia, China and Thailand, and later as General Manager of Thai Jurong Engineering Ltd and Equator Engineering Sdn Bhd. After spending many years on overseas assignments, Mr Tan was appointed Head of the Human Resources & Administration Division in 2008. Despite being a veteran in JEL, human resources management was an entirely new field to him and there were many things which he had to learn from scratch. Mr Tan remarked that he found the new role interesting and challenging, and expressed his heartfelt thanks to the company for giving him the opportunity to serve in this capacity.

Having been on the job for seven years, Mr Tan felt that it was time for a change and he is hopeful that his successor can bring in new ideas to support the company's growing businesses. He is sanguine that under the stewardship of Mr Alan Phang, the HR team will continue to perform well into the future.

Mr Tan would like to convey his gratitude to all the HR & Admin staff. He is thankful for their unwavering support during his tenure and values the friendships he has developed with them over the years.

The baton has been passed on to Mr Alan Phang, who assumed the position on 15th June 2015. Mr Phang is a HR Generalist and has been in the HR profession for the most part of his career. He has served in both the private and civil sectors. When asked what his challenge would be in this new role, Mr Phang replied: "My challenge is to maintain and further improve the existing cordial relationships and the excellent HR support that Mr Tan has built over the years. I will leverage on the current relationships to help develop JEL's precious human capital to their fullest potential."



Mr Tan Chee Hua



Mr Alan Phang Wan Yen

“My challenge is to maintain and further improve the existing cordial relationships and the excellent HR support that Mr Tan has built over the years. I will leverage on the current relationships to help develop JEL's precious human capital to their fullest potential.”

OVERVIEW OF BLNG COGEN II PROJECT

1.5 MILLION MAN-HOURS ACHIEVEMENT WITHOUT LOSS-TIME INJURY

On 24th July 2014, JEL (Borneo) Sdn Bhd (JELB) secured a contract from Brunei LNG Sdn Bhd for the COGEN II - Mechanical Works. The project is located in Lumut, Negara Brunei Darussalam. The project started in August 2014 and is slated for completion by the end of 2015. The project team is currently at its peak manpower strength of about 820, as of early September 2015.

On 29th September 2015, with manpower of more than 800 workers and staff, JELB achieved 1.5 million man-hours without any Loss-Time Injury (LTI). It is the 3rd safety milestone, after JEL achieved 500,000 and 1,000,000 man-hours without LTI in April 2015 and July 2015 respectively. This remarkable achievement has contributed to the overall COGEN II Project, which has accumulated over 4,000,000 man-hours without LTI as of 12th October 2015. The 4,000,000 man-hours was suitably celebrated by everyone on the COGEN II Project on 23rd October 2015 with a gathering outside of the Site, where awards and presentations were made to the workforce, finishing off with the traditional "Cogen II Project Safety Hukka".

The achievement of 1.5 million man-hours without LTI for the COGEN II project did not come easy, but was accomplished through continuous efforts by the project team and supported by the senior management from JEL involved in the project.

"We very much appreciate all of the efforts that JELB has made to date on the project, particularly with regard to the safety and welfare of the workers. We recognize that it is not easy maintaining the high standards that JELB has established, and so we are very pleased with the dedication being shown by staff and workers to continue in the right manner," stated Ben Alfrink, Project Manager of the EPCm Contractor, Amec Foster Wheeler (B) Sdn Bhd.

With a few months left till the project completion, the project team aims to complete the project safe and strong, without any LTI.



JEL MAINTENANCE PTE LTD (JML) UPDATES

(A) FUTSAL CHAMPION

JEL Maintenance Pte Ltd (JML) participated in the Association of Process Industry (ASPRI) Futsal Tournament held on 12th September 2015 at Kovan Sports Centre. There were a total of 24 teams from twenty companies in Singapore's Process Industry that participated in this tournament. Up against companies such as Petrochemical Complex Singapore, Dove Chemicals, Exxon Mobil and Soxal, JML Blues emerged the eventual champion after defeating team KuriHara Kogya in the finals, with a scoreline of 1-0. The Golden Boot Award was also bagged by JML Blues team member, Mr Murugan, who scored a total of 17 goals in 7 matches.



(B) REFRACTORY TILES REPLACEMENT WORKS AT TSIP

JML was awarded the refractory tiles replacement works for 6 boilers at Tuas South Incineration Plant. The refractory tiles for one boiler has been successfully replaced. As for the remaining 5 boilers, the tiles are scheduled to be replaced over a period of 8 months, with works tied to coincide with the periodic boiler shutdown.

The planning and execution was carefully monitored by the project management team so as not to compromise on Quality and HSE requirements.

Our presence in TSIP as in-house maintenance contractors places JML in a position to take on mechanical maintenance tenders released by NEA from time to time. The refractory tiles replacement job was one of those successfully bidded tenders and JML is looking forward to secure many more projects in the near future.



(C) CELANESE S.E.A VAE BROWN-FIELD PROJECT AWARDED TO JML

In August 2015, JML was awarded the brown-field plant expansion project from Jacobs Engineering Singapore Pte Ltd. Jacobs Engineering is the EPCM for Celanese Corporation and JML's scope of works under the Jacobs contract includes mechanical equipment installation, piping, structural steel fabrication, fireproofing and insulation. The fabrication works for structural steel and piping have commenced at JEL's fabrication shop and the whole project is scheduled to be completed by April 2016. JML has been associated with Jacobs from 2008 and has since successfully completed 6 projects with them. We are also pre-qualifying JML Malaysia with Jacobs Engineering for potential expansion projects in Malaysia.

(D) MALAYSIAN SHEET GLASS PROJECT

Malaysian Sheet Glass Sdn Bhd has awarded the plant modification works to JML Malaysia. The scope of works includes material supply, fabrication, delivery and erection of furnace front end wall and related structures. It also encompasses pipe fabrication, modification and erection at furnace and bath areas. Also, a few equipment at thelehr (glassmaking) area were dismantled and reinstalled with proper alignment. All the modification works were successfully completed in October 2015.

UPDATE ON JEL'S SPORTS & RECREATION COMMITTEE ACTIVITIES

As the saying goes, “All work and no play makes Jack a dull boy.”

As staff of JEL, we certainly live by that mantra. In line with that belief, our Management, together with the SRC members, have organized various activities to promote a healthy lifestyle in JEL.

We are convinced that there will be a great improvement to one's quality of life once one starts exercising and living healthily. Regular exercise is an excellent way to reduce stress, boost your mood, and may even make you look and feel younger. Besides the obvious benefits that come with exercise, one big advantage of participating in these group activities is the building of rapport and friendships amongst fellow colleagues.

With the staunch support from our management and efforts made by the SRC, we at JEL are able to enjoy many activities that nourish both body and mind; and of course, builds camaraderie and team spirit too!

We would like to share some pictures of our activities filled with happiness, love and friendship.

Always remember that “*Health is our greatest wealth.*”



Birthday Walk at Singapore Botanic Gardens

Our Birthday walk is held every two months. Celebrating one's birthday with fellow colleagues in a healthy way is such a meaningful activity. This walk was held in August 2015 for all staff whose birthdays fall in July and August.





Cardio Fitness Zumba

Exercising with heart-thumping music is fun as it makes you feel happy and energised. We simply move to the groove and let the music inspire us.



Cycling @ Pasir Ris Park

SRC organised Cycling at Pasir Ris Park last January 2015 where we build friendship and share laughter together.



Cycling at Punggol Park

The SRC organised a cycling event at Punggol Park in August 2015. It was indeed a fun and enjoyable experience for all who participated.



Leisure / Nature Walk @ Sentosa Boardwalk to Sentosa Beach

In April 2015, we had a great time exploring sentosa together with our colleagues and families. A big thank you to the SRC for organising this enjoyable event.

LUCKY DRAW CONTEST

For the first five (5) 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. Provide the name of the Managing Director of Jurong Engineering (Bangladesh) Limited (JEBL) and list 2 projects that were awarded to JEBL.

2. Mr Alan Phang Wan Yen succeeded Mr Tan Chee Hua as General Manager of the Human Resources & Administration Division. What were the challenges faced by Mr Alan Phang in his new role?

3. JEL (Borneo) has achieved its 3rd safety milestone of 1.5 million man-hours without any Loss-Time Injury. This accomplishment was made possible through:

4. Name 3 activities organised by JEL's Sports and Recreation Committee to promote a healthy lifestyle in JEL.

5. JML Blues emerged as the champion in the ASPRI Futsal Tournament held in September 2015. Name the team member who bagged the "Golden Boot Award".

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