



ENERGY NUMBER OF THE WEEK

8bn

The LCP-Badamyar project, opened on 2 May by a consortium led by Total Myanmar, will enable an extension of the Yadana gas field's 8bn cubic meter (282bn cubic feet) per year production plateau beyond 2020, according to company officials.

Yadana currently produces about 50% of domestically-consumed natural gas, and is a large-scale exporter to Thailand.

Part of the Myanmar Energy Monitor energy.frontiermyanmar.com IN THIS ISSUE

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Production and exports

Total opens Badamayar expansion tied to Yadana facilities

Total has begun production at the Badamayar gas field as a satellite to Yadana, holding an event to mark the occasion at Yangon's Novotel Max hotel on 2 May, which was attended by the *Myanmar Energy Monitor*.

The project will enable an extension of the Yadana field's 8bn cubic meters (282bn cubic feet) per year production plateau beyond 2020.

Total Myanmar general manager Xavier Pr el said at the event that the first well of Badamayar is already producing, meaning the project is also on time compared to planning in 2014 when it was launched.

He also said that the project has been completed at 20% below budget, and that over 5m work hours went into the scheme without incident.

The Badamayar project involves the installation of a new wellhead platform connected to the Yadana production facilities, as well as drilling four horizontal wells to develop the Badamayar gas field as a satellite of Yadana.

A new compression platform is also included as part of the project.

Total is the operator of the project with a 31.2% interest.

Its partners are Chevron-Unocal (28.3%), PTTEP (25.5%) and MOGE (15%).

Speaking at the event, MOGE official U Than Min welcomed the launch, adding that it will enable more gas production for Myanmar as well as Thailand.

"This is quite important for us in Myanmar as Yadana gas production represent roughly 50% of our gas consumption, supplying mainly the country's electricity production, especially for Yangon Region," he said.

Total said in a press released that gas from M-5 and M-6, the blocks containing Yadana, comprise about half of all gas consumed in Myanmar and around 12% of gas consumed in Thailand.

In a 4 May interview with the *Myanmar Times*, Pr el said that gas production is expected to decline a lot by 2021. He added that it is not easy, as planning needs to be undertaken with the Ministry of Electricity and Energy.

He also said in the interview that it is important that the gas being produced is actually used, such as having a sufficient number of power plants.

Production started at Yadana in 1998, and it is still producing at a plateau of 8bn cubic meters, he said.

Total has one of the largest portfolios of offshore acreage in Myanmar.

In January 2016, a gas discovery was announced in A-6, in which it owns a stake. Appraisal drilling is to be conducted in 2017.



Power and electricity

JICA signs loan agreement for Sedawgyi, Baluchaung hydro improvements

The Japan International Cooperation Agency (JICA) has signed an agreement to extend a 10.8bn yen (\$96m) loan to rehabilitate Myanmar hydropower projects, according to a press release.

The rehabilitation project aims to reduce unplanned power outages and extend the life of two hydropower plants, Baluchaung 1 and Sedawgyi.

Rehabilitation of the two projects are among the priorities outlined in the 2014 National Electricity Master Plan, the release said.

The loan comes with annual consultancy fees of 0.01% and interest rates of 0.01%. The term is 40 years, with a 10-year grace period.

Baluchaung I was the second component of the three-hydroplant Balauchaung project, and was built to extend the reservoir and hydropower capacity in 1987.

The project was partially funded with ODA from OECF (now known as JICA).

The Sedawgyi Hydropower plant was constructed with funding assistance from the Asian Development Bank (\$14m) and the OPEC Special Fund (\$2m) in the 1980s.

It was one of the first hydropower projects in the country, with both a dam and hydropower component as well as the provision of irrigation facilities to cover 100,000 acres of land.

In November 2016, Japan announced a 10.7bn yen (\$104m) loan for the refurbishment of Balauchaung and Sedawgyi.

The announcement came during Daw Aung San Suu Kyi's first visit to Japan as State Counsellor.

The loan was approved by Myanmar parliament in February 2017, with the official signing taking place on 25 April 2017.

Government and local authorities

U Aung Naing Oo promises clarity on policy toward electric power

Clarity is coming on the government's policy toward generation, as well as transmission and distribution, Myanmar Investment Commission secretary U Aung Naing Oo promised at a forum organised by the British Chamber of Commerce Myanmar on 3 May, which was attended by the *Myanmar Energy Monitor*.

Answering a question from the audience on a lack of clarity surrounding the government's current approach to electricity, U Aung Naing Oo said not only generation but also transmission and distribution will be opened to foreign investors in the future.

Discussions are ongoing with the Ministry of Electricity and Energy, he added.

"Hopefully we will be able to provide more clear information on electric power in a few weeks or months," said U Aung Naing Oo.

The current National League for Democracy (NLD) government has been accused of dragging its feet on developing a clear, consistent approach to electricity generation.

There have been few power purchase agreements (PPAs) signed since five major PPAs were inked in the last few days of the Union Solidarity and Development Party (USDP) government in March 2016.

The 2016 PPAs including three gas-fired projects, notably Myingyan, as well as two large-scale solar power projects.

The government's attempts to land two 300MW fast-track projects this year also failed, with both not starting in time for hot season.

U Aung Naing Oo was also candid in the problems of the MIC's relations with the various government ministries.

While he is often circumspect when speaking to Myanmar media, at the British chamber event he was relatively open to the scale of the challenge, calling it a "tough job" for MIC.

"Ministries will tell you they are willing to promote business in Myanmar ... but they say you need to do 'this and that'," he said. "'This and that' can be quite difficult."

However, he said that the ministries are often trying to uphold their rights, even though receiving responses from them can often slow the MIC process.

The MIC has also appointed a focal person in each ministry, hopefully improving the relationship.

The bylaws following the new Myanmar Investment Law also are intended partly to speed up the approvals process.

U Aung Nain Oo said that MIC requests of ministries will now come with timelines attached.

If the ministries do not respond in time, the project will deemed to be approved, in contrast to past systems where approvals often languished at the ministry level.

He also said the MIC aims to be a single window for investors, cutting down on the requirement for them to interact with various ministries.

U Aung Naing Oo also said he is hopeful that the much-delayed new Companies Act will be approved in 2017, adding he had made the request personally to a number of MPs to push forward with the act.

Power and electricity

Great Hor Kham receives MIC approval for Shan State hydropower

Great Hor Kham Public Company has received Myanmar Investment Commission approved to develop, construct and operate a 20MW hydropower station in northern Shan State.

The project is to be built on a BOT basis, located in Manmau (Manmaing) and Selan village tracts in Muse township, near the border with China.

The project is one of only a handful of generation projects to have move forward under the current government, with others including two large-scale solar projects receiving MIC approval in 2016-17.

Great Hor Kham has planned an IPO on the Yangon Stock Exchange (YSX) to fund the hydropower project, according to previous articles.

The listing is specifically to raise funds for the Nam Pha hydropower project.

If it takes place, it could be the first true IPO on the YSX. It has originally been planned for 2016, and then for March 2017.

With both deadlines having come and gone, it is unclear if the IPO is still going ahead.

The Nam Pha is a planned hydropower project on the Nam Pha creek. The creek runs on a southerly direction from the Muse / Shweli border crossing.

The project has run into previous difficulties. Some 20 days after signing the original MoU in October 2014, the new Myanmar Electricity Law was promulgated.

Section 4 of this law appeared to require medium projects between 10MW and 30MW that will connect to the national grid to received a permit from the Union government.

Great Hor Kham had signed an MoU with the Shan State government, and the law changed delayed the company by as long as nine months as it made new preparations to sign a deal with the Union government, according to its 2016 annual report.

The company is involved in other construction-related projects, such as a fruit market at 105 Mile trading zone near Muse, as well as functioning as the main contractor for New Star Light at the Muse Central Business District, and completed work placing reinforced concrete for the diversion culvert at Shweli 3 hydro project.

In addition to the Great Hor Kham project, the MIC approved 19 other projects, including a number of hotels, port services near Thilawa, and several manufacturing plants.

Transportation and distribution

Further details released on cross-Myanmar oil pipeline

The majority owners of the China-Myanmar oil and gas pipelines have released further information about the recently-opened Southeast Asia Oil Pipeline, which began operations in April after years of delay.

The first departure valve has been opened, with crude oil flowing at a rate of 1,150 cubic meters per hour through the pipeline, China National Petroleum Corporation said in a 2 May press release in Chinese language.

China Daily reported that the first crude oil will be delivered to a new refinery in Ruili, a city in Yunnan province just across the border from the Myanmar city of Muse, within 20 days, citing CNPC Southeast Asia Pipeline deputy director Zhang Yong.

The news follows earlier press reports that tankers had arrived at the Myanmar terminal in April.

A Suezmax-sized tanker began offloading at the pipeline terminal on Made (sometimes Maday) island in Rakhine State, *Xinhua News Agency* reported.

A deal was signed on 10 April between Myanmar and China, following talks between Chinese President Xi Jinping and Myanmar's U Htin Kyaw, who was visiting China, according to *China Daily*.

The pipeline runs about 770km from Rakhine State to southern China, and is designed to allow oil tankers to offload in Myanmar without having to pass through the Malacca straits near Singapore.

It had been delayed for years due to G2G discussions over taxes, as well as a lack of a completed refinery at the China end of the pipeline.

The press release provided the following timeline:

June 2010

Construction started

30 May 2014

Pipeline completed

October 2016

Project testing

10 April 2017

Project put into operation



Renewables

Yoma Strategic, Norfund start venture for telecoms, community electricity

Yoma Strategic Holdings has partnered with Norwegian state-owned fund Norfund to distribute generation micropower plants and mini grids, to provide electricity to off-grid rural communities and telecoms towers.

The venture aims to secure long-term power-supply contracts with telecoms towers and network operators in off-grid locations, serving as the anchor tenant.

Micropower plants are to include combinations of PV solar modules, diesel generators and energy storage solutions, which is also to support surrounding communities through mini grids.

A press release said the aim is to generate commercial return on investment, while providing reliable access to electricity.

Yoma Strategic and Norfund will each hold 47.5% in Yoma Micro Power (S) Pte, while a power sector professional named Alakesh Chetia will hold 5% and lead the initiative.

Investment is to total \$2m, with \$1m contributed by Yoma Strategic, to start the program in Sagaing Region.

Yoma Strategic CEO Melvyn Pun said that the company hopes for a successful trial, allowing the project to be scaled to “a large part of the country”.

Yoma Strategic previously owned 25% of Myanmar Tower Company, which has Ooredoo as a principal anchor, though it sold half of the stake in December 2016 for \$35m.

Communities

Oil workers join May Day parades

Workers from several of Myanmar’s onshore oil blocks joined May Day (Workers’ Day) celebrations in Chauk, a centre of the onshore industry in Magwe Region, according to a 2 May article in the *Myanmar Times*.

Representatives from unions attended events, the article said.

- Pho Hla Gyi and Thakin Myay from Chauk field
- Shwe Yay Nant Thar and Goldpetrol unions from Yenangyaung field
- Shwe Mann Tharyar union from Mann field
- Shwe Ayar Roustabouts union from Myanaung oil field
- Shwe Pyi Hinthia union from Pyay oil field
- Ayar Nant Thar union from Nyaungdon oil field
- Apyauk Oilfield Workers union from Apyauk
- Shwe Yi Se Thar union from Thargyitaung field
- Nant Thar Myaing New Generation Workers Union from Kyaukkwet / Letpando field

The article stated that Workers’ Day was to be celebrated in Chauk for three days, and included talks, seminars, chanting competitions, entertainment, and literature distribution.

Magwe Region minister for labour, immigration and population U Nay Myo Kyaw stated workers, government and people should work for the rights of workers. It was unclear from the article if he attended the event.

Government and local authorities

Magwe Region reveals revenue from artisanal wells

The Magwe Region government has disclosed the money it raised for regional development over the last 10 months, following revelations that some previous funds collected by the former USDP government had been misappropriated.

Artisanal well owners in Magwe Region have contributed Ks1.4bn (\$1m) to the fund over the last ten months, reflecting fees on 473,185 barrels, according to an article in *News Watch Weekly*.

The funds are collected as a standard Ks3000 fee on transportation of a barrel of oil, as it cannot be refined in Magwe Region.

The article stated Magwe's artisanal crude oil production is centred in three townships:

- Upper Minhla Township
- Thayet Township
- Myaing Township

The practice of collecting funds for regional development from Magwe artisanal oil fields began under the government of former President U Thein Sein.

In the last month, the current Magwe Region government received a report into the fund, which was to total Ks7bn (\$5m).

While some of the funds were indeed spent on regional development, the report by the Ministry of Home Affairs reportedly said a portion has allegedly ended up with the USDP party, while other funds went to an MFI, which has stated it will return the money.

Government and local authorities

Ministry of Home Affairs plans to register illegal fuel retailers

Illegal fuel retail shops have been ordered to register with authorities and start the process of becoming formalised, media has reported, though the scale of the challenge is immense.

The Myanmar Times Myanmar Edition reported that those required to report even include small-scale shops often retailing out of bottles the line many roads in smaller villages.

Shop keepers must register with the Ministry of Home Affairs or with the various region and state governments, and must begin paying taxes the article said.

Minister of Home Affairs U Kyaw Win reportedly said that each village has at least two such shops, though they consistently run illegally.



Given there are about 70,000 villages in the country, the number of retailers are thought to be immense.

U Kyaw Win said authorities plan to collect Ks1,000 from each shop when they register.

Revenue collected from the retailers would be useful for national expenditures, the article said.

"We don't want only the public to struggle under the heavy load of our taxation," he said.

While the article included a discussion of the ministry's plans, it did not indicate how it will ensure compliance or systematically enforce the intention.

Myanmar Energy Monitor is skeptical of the ability of the ministry to ensure compliance with the regulations discussed by the minister.

Power and electricity

Southeast General Power plans Myeik power generation

A company called Southeast General Power and Electricity has approached government officials about adding 60MW in hydro, solar and fuel-powered plants in the area of Myeik, Tanintharyi Region, according to a report in *Daily Eleven*.

The plans include installing a hydropower plant in Palaung township, as well as solar and fuel-based generation facilities in near Taw Htwat Gyi Village, all near Myeik, the article said.

A meeting was held on 2 May to discuss the hydropower plans, with a number of local people asking questions about the project.

The facility is to be located on Palaung creek, Palaung district. It is to cost about \$20m, with estimated capacity of between 15MW and 20MW, the article said.

Meanwhile, a solar facility is to cost about \$15m, with an capacity of 15MW. Another fuel-fired facility is to be about 25MW.

In addition, transmission and distribution costs are expected to total about \$4m.

Southeast General Power and Electricity managing director U Maung Maung Myint reportedly said that the first plan is to supply power in Myeik township, with later plans for further extension.

The article also said the company is trying to raise investment for the project, and has discussed plans with several Thai firms.

It also stated the firm aims to charge between Ks250 and Ks300 a unit for electricity from its fuel oil generation facility, as well as Ks250 from solar, and about Ks160 from hydro, though it will only be available in the rainy season.

Although power costs for on-grid connections are generally lower, the article started that Myeik has a lack of electricity, and local people are willing to pay more to receive steady supplies.

The company is still awaiting permission from the Tanintharyi Region government, after which it will apply to the Myanmar Investment Commission.

Projects under 30MW do not require certain Union-level approvals, under certain circumstances.

Southeast General Power and Electricity is also working on improving the infrastructure in Ye township, between Dawei and Myeik in Tanintharyi Region.

Work has reportedly been slower than expected, with an article by *Mon News Agency* from March claiming that while much of the distribution and transmission network was complete, the generation capacity was not yet finished.

B2B**Myanmar's investment in SEAGP repaid by fees and profit sharing**

Myanmar's investment in the Southeast Asia Gas Pipeline (SEAGP) connecting the Shwe field in offshore Rakhine State with southern China has now been repaid, according to a SEAGP official quoted by *7Day Daily*.

State-owned Myanma Oil and Gas Enterprise (MOGE) had invested over \$120m in the pipeline, in which it holds a stake of about 7%, along with majority-owners China National Petroleum Corporation (51%), and several foreign minority shareholders.

SEAGP general manager Jiang Changliang said that the pipeline has now generated fees of over \$120m for Myanmar in the three years since the pipeline opened.

He added that this made the case that the pipeline was a good investment, claiming the revenues came from transportation fees and profit sharing.

The 793km pipeline is expected to transport about 12bn cubic meters of natural gas (423bn cubic feet) per year, the article said.

The article did not discuss SEAGP's twin pipeline, which transports crude oil and began operating in the last few weeks following years of delays.

**Power and electricity****Special funds allocated to prevent Yangon blackouts**

About Ks40bn (\$29m) has been earmarked from the President's Special Fund to prevent Yangon electricity blackouts, Parliamentarian U Nay Myo Htet said, according to an article in the Myanmar language edition of the *Myanmar Times*.

Yangon Region has been working to improve electricity access, including cutting down on blackouts compared to previous years.

While some generation capacity is outdated, an increasing volume of capacity is made up of new plants.

The article said the Ks40bn funds are specifically aimed at preventing blackouts, but did not discuss exactly how they were being used.

However, it could include the Ks30bn (\$22m) allocated from the 2016 Union Budget reserve fund for purchase of gas and diesel-powered generators, which was announced in March.

The expenditure was widely criticised in parliament, but passed anyways.

Communities**IFC launches Myanmar version of performance standards**

The International Finance Corporation launched a Myanmar-language translation of its Performance Standards on Environmental and Social Sustainability last week at the Novotel Yangon, attended by the *Myanmar Energy Monitor*.

The Myanmar Center for Responsible Business said in a press release that IFC standards are useful to help fill in the detail of requirements around environmental impact assessment and gaps in national standards.

This covers issues such as resettlement, indigenous peoples and security

The release said the Performance Standards are complemented by IFC's extensive cross-sectoral and sectoral Environmental Health and Safety (EHS) Guidelines and other Guidance documents including on Security and Environmental and Social Management Systems (ESMS).

A number of officials and experts spoke at the 27 April event, including IFC country director Vikram Kumar, Yangon Director of Environmental Conservation Department Daw Khin Thida Tin, MCRB head Vicky Bowman, Ministry of Natural Resources and Environment Conservation director general U Hla Maung Thein, IFC infrastructure director Bernard Sheahan, and Nick Cumpston, Development Counsellor at the Australian Embassy.

Government and local authorities

Mandalay officials keen on waste-to-energy after Singapore trip

A delegation of Mandalay Region officials has returned keen on waste-to-energy following a trip to Singapore, according to an article in *7Day Daily*.

The officials visited Singapore from 18 to 25 April to study the country's technological projects including waste-to-energy, water purification, traffic control systems and markets.

The delegation was led by deputy mayor U Ye Mon, and included eight members, who paid for the trip themselves, the article said.

The deputy mayor said it is not easy to install a waste-to-energy plant, taking at least five years and costing a large sum of money.

However, it improves waste disposal efforts and can generate electricity for sale.

Mandalay Region collects about 900 tonnes of waste every month.

Past failure

The region has in the past attempted to build waste-to-energy plants.

However, MCDC announced in June 2016 it would issue a new tender for a waste-to-energy (WTE) plant after the previous company set to build the project failed to begin work in the two years since it won a tender.

The first tender in 2014 attracted only a few interested firms.

Although previous press reports did not announce a winner, it is likely it was Organics Mandalay, a joint venture between Organic Asia Group (Thailand), holding 94%, with the remainder held by local company Shwe Pyi San and an unknown French company.

The project envisaged sourcing waste from the Amarapura landfill, just outside of Mandalay, to fuel a 15MW-capacity plant covering 29 acres.

It was first mooted in 2014, with reports that Organics would build the Mandalay plant at a cost of \$44m, but was apparently shelved.

However, despite plans for the tender being announced in June 2016, it does not appear an actual tender has been called.

NEW TENDERS

Organisation	Description	Deadline	Contact
Department of Hydropower Implementation (DHPI)	<p>The Department of Hydropower Implementation (DHPI) under Ministry of Electricity and Energy (MoEE) invites companies to submit bids to supply associated machinery and electrical equipment in D.D.P (Paung Laung).</p> <p>Bids must be submitted in Myanmar Kyats only.</p> <p>Interested applicants must be submitted both technical and financial proposals separately not later than 12:00 Hrs on 25 May 2017.</p> <p>The date to open the financial proposal of bidding companies will be informed later again.</p> <p>The winner company who earns maximum overall score on the company profile rating and technical specification rating will be selected.</p>	25/5/2017	<p>Tender Calling Committee, Department of Hydropower Implementation, Office 27, Naypyitaw.</p> <p>Contact: +95 67 8104191</p>
Electricity Supply Enterprise (ESE)	<p>The Electricity Supply Enterprise (ESE) under Ministry of Electricity and Energy invites companies to submit bids to supply the following items including transport service to warehouse (DDP).</p> <p>Bids must be submitted in Myanmar Kyats only.</p> <p>(A) Solar Power Plants</p> <p>1. Tender No.04/EPGE/17-18</p> <p>66/11kV 10MVA Transformer(1) No & 66/33kV 60 MVA Transformer (1) No</p> <p>2. Tender No.05/EPGE/17-18</p> <p>66kV & 33kV Switch Bay</p> <p>(B) Hydro Power Plants</p> <p>1. Tender No.06/EPGE/17-18 (Oil Coolers, Bearing, Pumps)</p> <p>2. Tender No.07/EPGE/17-18 (Industrial Type Air Cons, Testing Equipments, Power Line Carrier)</p> <p>3. Tender No.08/EPGE/17-18 (Battery & Battery Changers)</p> <p>4. Tender No.09/EPGE/17-18 (Paunglaung Power Plants Control System Upgrade)</p> <p>5. Tender No.10/EPGE/17-18 (Switch Yard Equipment, 11kV, 400V kV Line associated items and 11/0.4kV 315kV Transformer)</p> <p>6. Tender No.11/EPGE/17-18 (Spare Parts)</p> <p>The fees for a tender application form is defined as Ks.10,000.</p>	30/5/2017	<p>Electricity Supply Enterprise (ESE), Office (27), Naypyitaw, Myanmar.</p> <p>Contact: +95 67 8104278, +95 67 8104279</p>

NEW TENDERS

Organisation	Description	Deadline	Contact
<p>Myanmar ICT Development Corp</p>	<p>Myanmar ICT Development Corp is calling a tender for interested parties to submit bids to supply the following items.</p> <p>Group-A: 750KVA Transformer, Panels and Installation projects</p> <p>Group-B: 12KV 3C 95mm² XLPE/PVC HT 200 Meter Cable</p> <p>Group-C: PRIME 500KVA Sound Proof Generator (1) No</p> <p>Group-D: 1350KG (18 Persons) Elevator (1) No</p> <p style="padding-left: 40px;">800KG (10 Persons) Elevator (1) No</p> <p>Interested applicants are required to submit bids on 20 May 2017, not later than 13:00Hrs.</p>	<p>25/5/2017</p>	<p>MICTDC (MICT Park), Haling Region, Yangon during office hours.</p> <p>Contact: +95 1 6522 72/73/74/78/79</p> <p>Fax: +95 1 652275</p>
<p>Yangon Electricity Supply Corporation (YESC)</p>	<p>The Yangon Electricity Supply Corporation (YESC) under Ministry of Electricity and Energy (MoEE) invites companies to submit bids to manage the following projects in Turnkey system.</p> <p>Bids must be submitted in Myanmar Kyats only.</p> <p>Project: Installment of 66/11-6.6 KV, 30 kVA power lines and 66kV GIS substation in Hlaing Campus, Hlaing Township, Yangon</p> <p>Tender application forms must be submitted not later than 14:00Hrs on 9 May 2017.</p>	<p>9/5/2017</p>	<p>Ministry of Electricity and Energy, Yangon Electricity Supply Corporation, Planning Department, Yangon, Myanmar.</p> <p>Contact: +95 1 220859, +95 1 220816</p>

NEW TENDERS

Organisation	Description	Deadline	Contact		
Yangon Electricity Supply Corporation (YESC)	The Yangon Electricity Supply Corporation (YESC) under Ministry of Electricity and Energy (MoEE) invites companies to submit bids to supply the following items in Myanmar Kyats.		26/5/2017	Ministry of Electricity and Energy, Tender Calling Committee, Yangon Electricity Supply Corporation, Planning Department, Yangon, No.(197/199), Lower Kyeemyindaing Road, Ahlone Township, Yangon. Contact: +95 1 220816	
	Tender No.	Description			Deadline
	2(T)/YESC/17-18	purchase of associated items to install 66KV power lines (2) by AC 400 sqmm			26.5.2017
	3(T)/YESC/17-18	required items to build underground power line substation			26.5.2017
	4(T)/YESC/17-18	required items for the extention (2.4miles) of 33kv power lines by 35kv Insulated Spaced Aerial Cable 240 Sqmm			26.5.2017
	5(T)/YESC/17-18	purchase of items for construction projects in substations			26.5.2017
	6(T)/YESC/17-18	printing of 33 types of electrical documents			19.5.2017
Interested parties can start buying tender application forms on 28 April 2017.					
Mandalay Electricity Supply Corporation (MESC)	The Mandalay Electricity Supply Corporation (MESC) invites companies to submit bids to supply the following items in Mandalay region during the 2017-18 financial year.		11/5/2017	Tender Calling Committee, Mandalay Electricity Supply Corporation, Head office, 27 Road, joint 77 x 78, Chanayethazan Township, Mandalay. Contact: +95 2 69121, +95 2 73801	
	Tender No.	Description			
1-1(T)/MESC/2017-2018	Household meter, commercial meter, transparent box & accessories, meter seals				
Interested applicants must submit tender application forms not later than 13:00hrs on 11 May 2017.					

NEW TENDER

Organisation	Description	Deadline	Contact																											
Yangon Electricity Supply Enterprise (YESC)	The Yangon Electricity Supply Enterprise (YESC) under Ministry of Electricity and Energy (MoEE) invites interested parties to submit bids for the following items. Bids must be submitted in Myanmar kyats.	19/5/2017	Ministry of Electricity and Energy, Tender Calling Committee, Yangon Electricity Supply Corporation, Planning Department, Yangon, No (197/199), Lower Kyeemyindaing Road, Ahlone Township. Contact: +95 1 220816																											
	<table border="1"> <thead> <tr> <th>Tender No.</th> <th>Description</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>7(T)/YESC/17-18</td> <td>5 types of CT Coil</td> <td>19.5.17</td> </tr> <tr> <td>8(T)/YESC/17-18</td> <td>equipment for maintenance of substations</td> <td>30.5.17</td> </tr> <tr> <td>9(T)/YESC/17-18</td> <td>required items for the repair of 66kV & 33kV power lines</td> <td>30.5.17</td> </tr> <tr> <td>10(T)/YESC/17-18</td> <td>required items for maintenance/repair projects</td> <td>1.6.17</td> </tr> <tr> <td>11(T)/YESC/17-18</td> <td>required items for the construction of HT Lines</td> <td>30.5.17</td> </tr> <tr> <td>12(T)/YESC/17-18</td> <td>equipment for the construction of LT lines</td> <td>30.5.17</td> </tr> <tr> <td>13(T)/YESC/17-18</td> <td>purchase of transformers and associated items in ESE</td> <td>1.6.17</td> </tr> <tr> <td>14(T)/YESC/17-18</td> <td>Associated items for Yangon Street Lights</td> <td>1.6.17</td> </tr> </tbody> </table>			Tender No.	Description	Remarks	7(T)/YESC/17-18	5 types of CT Coil	19.5.17	8(T)/YESC/17-18	equipment for maintenance of substations	30.5.17	9(T)/YESC/17-18	required items for the repair of 66kV & 33kV power lines	30.5.17	10(T)/YESC/17-18	required items for maintenance/repair projects	1.6.17	11(T)/YESC/17-18	required items for the construction of HT Lines	30.5.17	12(T)/YESC/17-18	equipment for the construction of LT lines	30.5.17	13(T)/YESC/17-18	purchase of transformers and associated items in ESE	1.6.17	14(T)/YESC/17-18	Associated items for Yangon Street Lights	1.6.17
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<p>The tender will be on sale starting on 2 May 2017.</p> <p>Tender documents must be submitted not later than 14:00 hrs on the deadline day.</p>																														

OPEN TENDER

Organisation	Description	Deadline	Contact						
Mandalay Electricity Supply Corporation (MESC)	The Mandalay Electricity Supply Corporation (MESC) under Ministry of Electricity and Energy invites interested parties to submit bids to supply the following items within Mandalay region.	11/5/2017	Tender Calling Committee, Mandalay Electricity Supply Corporation, Headquarter, 27 Road, 77x78 joint, Chanayethazan Township, Mandalay. Contact: +95 2 69121, +95 2 73801						
	<table border="1"> <thead> <tr> <th>No.</th> <th>Tender No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1-1(T)/MESC/2017-2018</td> <td>household meter, commercial meter, Transparent Box & Accessories, meter seals</td> </tr> </tbody> </table>			No.	Tender No.	Description	1	1-1(T)/MESC/2017-2018	household meter, commercial meter, Transparent Box & Accessories, meter seals
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Tender documents must be submitted not later than 13:00Hrs on 11 May 2017.									

OPEN TENDERS

Organisation	Description	Deadline	Contact
<p>Department of Electric Power Transmission and System Control (DESPTC)</p>	<p>The Department of Electric Power Transmission and System Control (DESPTC) under the Ministry of Electricity and Energy (MoEE) invites interested parties to submit bids to supply 230kV, 132kV, 33kV Transformer Gantry, Line Gantry, Bus Gantry and associated items that are required in the upgrades of Main Transformers at the Main Substations.</p> <p>Bids must be submitted in Myanmar Kyats only.</p> <p>Interested applicants must submit the tender documents not later than 14:00hr on 8 May 2017.</p>	<p>8/5/2017</p>	<p>Ministry of Electricity and Energy, Tender Calling Committee, Department of Electric Power Transmission and System Control, Planning Department, Office 27, Naypyitaw.</p> <p>Contact: +95 67 410209, +95 67 410282</p>
<p>Myanma Petrochemical Enterprise (MPE)</p>	<p>The Myanma Petrochemical Enterprise (MPE) under Ministry of Electricity and Energy (MoEE) invites companies to submit bids to supply the following items in both Myanmar Kyats and US Dollars.</p> <p>Machinery and associated equipment:</p> <p>Air Conditioner (10) Sets, Level Transmitter (Myanmar Kyats) (2) Nos, Fire Fighting Truck (2) Units</p> <p>Machinery and associated equipment:</p> <p>LPG Viking Pump with Motor (Filling Pump), Spare for PA Compressor & Turbine, MP Carbonate Solution Pump with Motor & MP Absorbent Return Pump with Motor, Instrument Air Compressor with Motor & N2 Compressor with Motor, River Water Pump with Motor Complete Set, Carbonate Solution Pump With Motor, Industrial Water Pumpn With Motor, Distillation Testing Unit, Condensate Feed Pump with Motor Complete Set, Differential Pressure Type Level Indicator, Flow Control Valve with Pneumatic Positioner, Heat Exchanger (Cooler) Tube Bundle, Boiler Unit, Cryogenic Pump with Motor Complete Set. (USD)</p> <p>Interested applicants must submit the bids not later than 12:00hrs on 9 May 2017.</p>	<p>9/5/2017</p>	<p>Ministry of Electricity and Energy, Myanma Petrochemical Enterprise, Planning/Finance Department, Office (44), Naypyitaw.</p> <p>Contact: +95 67 411123, +95 67 411193</p>

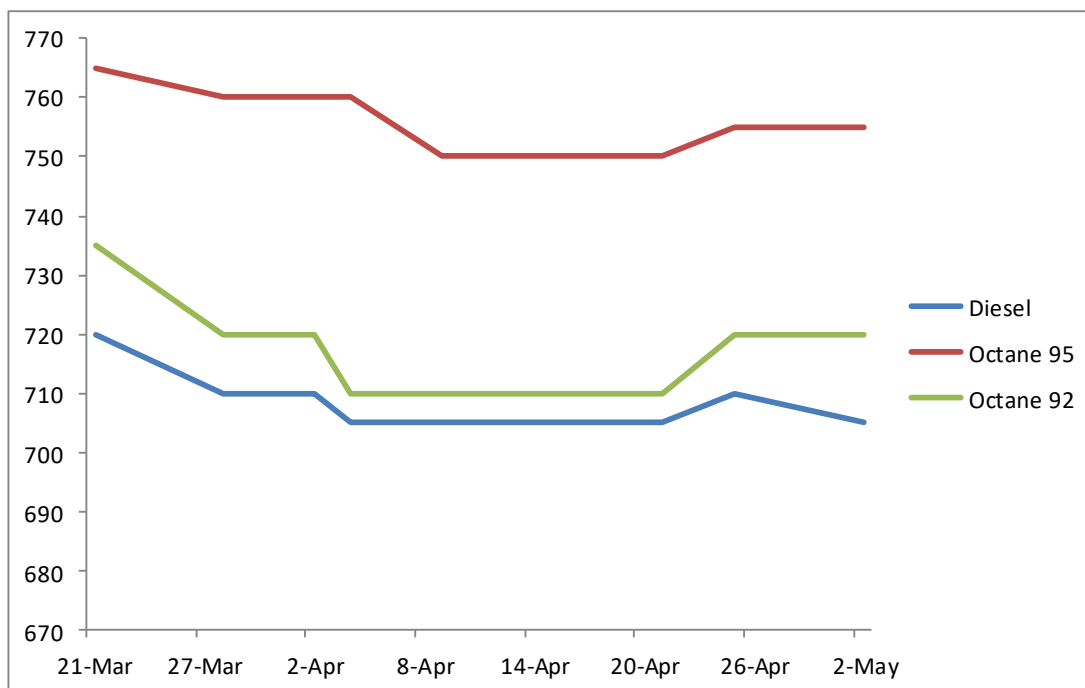
OPEN TENDER

Organisation	Description	Deadline	Contact
Myanma Petrochemical Enterprise (MPE)	<p>The Myanma Petrochemical Enterprise (MPE) under the Ministry of Electricity and Energy (MoEE) invites companies to submit bids to supply the following items (in Myanmar kyats only).</p> <p>(1) Chemical items - Caustic Soda (200MT), Hydrochloric Acid (400MT)</p> <p>Tender application forms must be submitted not later than 12:00 on 9 May 2017.</p>	9/5/2017	<p>Ministry of Electricity and Energy, Myanma Petrochemical Enterprise, Planning/Finance Department, Office (44), Naypyitaw.</p> <p>Contact: +95 67 411123</p>

THIS WEEK'S NEW DATA

Retail fuel prices by week, April—May 2017

	W/E 9 Apr	W/E 21 Apr	W/E 25 Apr	W/E 2 May
Diesel	Ks. 705	Ks. 705	Ks. 710	Ks. 705
Octane 95	Ks. 750	Ks. 750	Ks. 755	Ks. 755
Octane 92	Ks. 710	Ks. 710	Ks. 720	Ks. 720



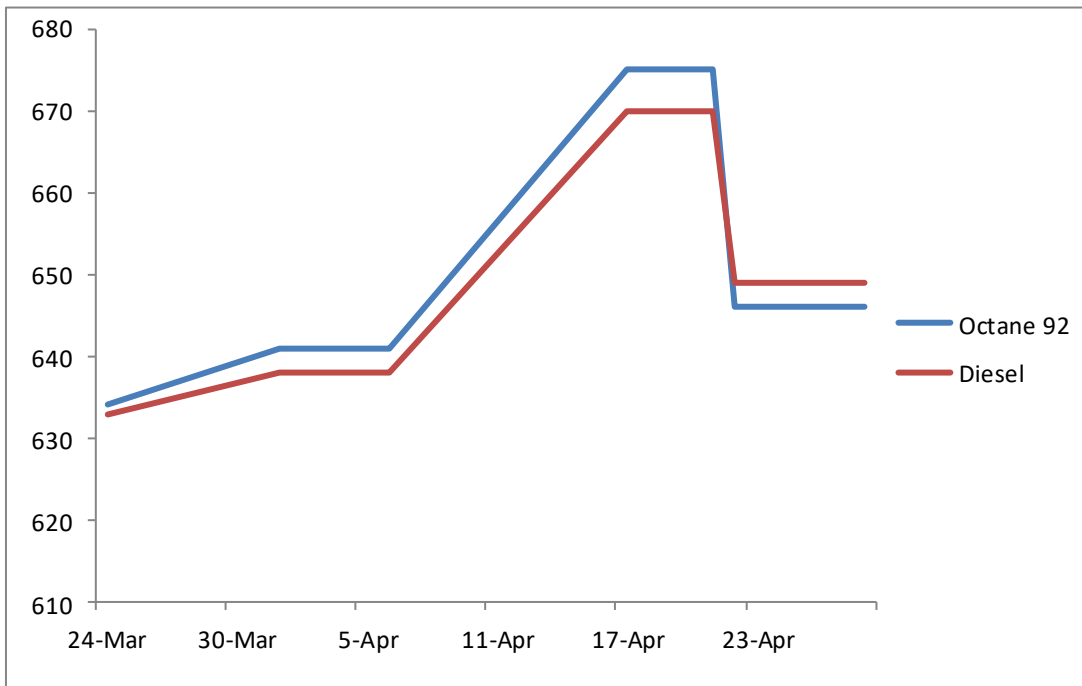
Source: Myanmar Petroleum Trade Association. Myanmar Ks per litre

Note: The original source refers to the figures as "fuel prices". According to our surveys of petrol stations, they are largely in line with retail prices in Yangon. The source notes that retail prices may vary from location to location due to transportation costs.

THIS WEEK'S NEW DATA

Imported fuel prices by week, April 2017

	W/E 21 Apr	W/E 22 Apr	W/E 25 Apr	W/E 28 Apr
Octane 92	Ks. 675	Ks.646	Ks. 646	Ks. 646
Diesel	Ks. 670	Ks. 649	Ks. 649	Ks. 649



Source: Myanmar Petroleum Trade Association. Myanmar Ks per litre

Note: The original source refers to the figures as "fuel prices". According to our surveys of petrol stations, they are largely in line with retail prices in Yangon. The source notes that retail prices may vary from location to location due to transportation costs.

THIS WEEK'S NEW DATA**Average retail prices of fuel in Myanmar (Kyat/Gallon)**

Cities	4 April		18 April		20 April		26 April	
	Petrol	Diesel	Petrol	Diesel	Petrol	Diesel	Petrol	Diesel
Yangon	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Pyimana	3,600	3,450	3,465	3,300	3,465	3,300	3,465	3,300
Lewe	3,650	3,500	3,600	3,450	3,600	3,450	3,600	3,450
Tatkone	3,550	3,450	3,550	3,450	3,550	3,450	3,550	3,450

Source: Myanmar Petroleum Trade Association

CALENDAR

**Renewable Energy Expo 2017**

03 - 05 August, Novotel Yangon Max, Yangon, Myanmar

<http://www.renewmyanmar.com/#contact>**Electric Power & Renewable Energy Myanmar 2017**

12 - 14 October, Myanmar Convention Centre (MCC), Yangon, Myanmar

<http://www.electricmyanmar.com/electric/2017/en/index.asp>

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