

TEI ENERGY Outlook

JUNE 2022 VOLUME - 9, EDITION - 06

EXPLORE



EMPOWER



EVOLVE



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TEI Partner Events

Smart Grid Forums - IEC 62433 Week 2022

Date: Jun 13, 2022 - Jun 17, 2022

Venue: Edinburgh, United Kingdom

21ST NOG Conference & Exhibition

Date: Jul 04, 2022 - Jul 07, 2022

Venue: ICC, ABUJA, Nigeria

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- Sample Tender Leads,
- List of Upcoming Tenders,
- Sample Project Report,
- List of Contract Activities
- Sample TEI Weekly Newsletter, and
- TEI Energy Outlook

For inquiries, please write to us at fdesk@theenergyinfo.com

Rising Opportunities for Energy Storage in India

The energy storage systems have gained considerable momentum in the Indian market and higher storage deployments are expected in 2022.

India's renewable energy capacity is growing exponentially, driven by the ambitious target of achieving 500 GW of non-fossil energy capacity by 2030. The government has recognized the role of energy storage in its renewable energy scale-up. Its requirement for battery storage is estimated at 120 GWh by 2030 to support its 500 GW renewable capacity target.

Energy storage has emerged as the key driver to firming power capacities while accelerating clean energy adoption. Regardless of the generation sources, energy storage can be used to make the overall grid more efficient and resilient.

The global battery energy storage is estimated to grow to \$10.84 billion in 2026, according to GlobalData's latest report. The fall in battery technology prices contributes majorly to this growth.

Currently, India has only 20 MW of installed battery storage capacity; around 3 GW of energy storage project tenders floated in 2021 and are expected to progress this year.

As part of India's solar Aatmanirbhar vision, the government is working towards mainstreaming the energy storage sector. It has recently approved the production-linked incentive program on 'Advanced Chemistry Cell (ACC) Battery Storage' for achieving manufacturing capacity of 50 GWh of ACC with a budgetary outlay of Rs. 18,100 crores.

Investment in research and development schemes to create technologically advanced storage equipment is taking place. Progress on battery technologies like sodium-ion also continues apace. Lithium-ion battery technology will drive the growth of stationary storage within BESS over the next ten years.

To fully capture the potential of energy storage systems, India needs policy and regulatory changes and a framework to support the adoption of energy storage systems.

TEI Editorial

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► QatarEnergy's North Field Expansion Project – Phase I

CLIENT: QatarEnergy, Qatar
STATUS: EPC contract awarded

Qatargas has awarded the EPC (engineering, procurement and construction) contract worth \$600 million to the joint venture formed by Tecnicas Reunidas of Spain (70%) and Wison Engineering Ltd. of China (30%) for the Sulphur Storage and Export Facilities package (EPC-4) of the North Field East (NFE) project.

The package scope of work includes the construction of a sulphur storage tank with a capacity of 10,000 tonnes, laying of connecting pipelines, installation of a control system and valves, mechanical and instrumentation works, and construction of associated facilities.

The contract also includes an option for an expansion of the facilities to support the sulphur production of two new natural gas trains, as well as the necessary infrastructure to support additional future LNG trains.

The \$20bn-plus NFE project will expand Qatar's LNG production from 77mn tonnes per annum (mta) to 110mta by 2027.

The project is being managed and operated by Qatargas, who has been entrusted to execute this mega-project on behalf of QatarEnergy.

CONTACT:

QatarEnergy
 PO Box 3212,
 Doha,
 Qatar

Phone: 974 4440 2000
 Fax: 974 4483 1125

► Adnoc's Fujairah LNG Export Terminal Project

CLIENT: Abu Dhabi National Oil Company (Adnoc), UAE
STATUS: FEED contract awarded

Abu Dhabi National Oil Company (Adnoc) has awarded a front end engineering and design (FEED) contract to McDermott International Ltd for its new, carbon-efficient LNG export terminal in Fujairah.

The project comprising two 4.8 million tons per annum (Mtpa) LNG trains is expected to increase Adnoc's LNG production capacity by 9.6 Mtpa, in order to respond to the growing global demand for natural gas.

The LNG plant will include process facilities, flare and utilities. LNG storage tanks, an export jetty — with an option for bunkering — and other associated facilities are also likely to be involved.

KBR of US is the project management consultant for the envisaged LNG terminal.

The FEED award is expected to be followed by the award of an EPC contract in 2023.

CONTACT:

Abu Dhabi National Oil Company (Adnoc)
 PO Box: 898
 Abu Dhabi,
 UAE

Phone: +971 2 6020000
 Fax: +971 2 6023389

► Satorp's Jubail Petrochemical Complex Expansion – Phase II

CLIENT: Saudi Aramco Total Refining and Petrochemical Co (Satorp), Saudi Arabia
STATUS: Bids invited

The Saudi Aramco Total Refining and Petrochemical Co (Satorp) has invited bids for the main contract of the phase II expansion that will include a full slate of petrochemicals products.

Bids are due to be submitted in August, 2022.

Firms pre-qualified to bid for the contract are:

- CPECC
- CTCI
- Hyundai Engineering & Construction
- McDermott
- Sinopec
- Tecnicas Reunidas

The project, also known as the Amiral project, involves building a mixed-feed cracker and derivatives complex in Jubail at a site adjacent to Aramco and Dow Chemical's petrochemicals plant within the industrial city.

The mixed-feed steam cracker will be built with a capacity of 1.5 million tons per year of ethylene and related high-added-value petrochemical units.

The project represents an investment of approximately \$5 billion but in a move to further develop downstream industries in the Kingdom, the project will also provide feedstock for other petrochemical and specialty chemical plants located in the Jubail industrial area and beyond, representing an additional \$4 billion investment by third party investors. The overall complex will represent an investment of approximately \$9 billion.

CONTACT:

Saudi Aramco
 P.O. Box 5000
 Dhahran 31311
 Saudi Arabia

Phone: 966-3 872-0115
 Fax: 966-3 873-8190

► Taziz' Ruwais Petrochemical Complex

CLIENT: Taziz, UAE
STATUS: FEED bids submitted

Taziz, a joint venture of Adnoc and ADQ, has received bids for the front-end engineering design (FEED) contract for the Ruwais petrochemical complex.

The bidders are:

- Technip
- Thyssenkrupp
- WorleyParsons

For the Project Management Consultancy contract, SNC-Lavalin has been appointed.

TEI reported in mid-April that the firms pre-qualified to bid for the main contract include:

- Al-Ghanim International
- Doosan Heavy Industries & Construction
- Elsewedy Electric
- Harbin Electric Corporation
- Hyundai Engineering & Construction

- Larsen & Toubro Power
- Orascom Construction
- PowerChina
- Samsung C&T
- Samsung Engineering
- Sepco 3

The planned steam and power facility will supply electricity to the different plants to be built in the complex.

The petchem project scope involves the construction of chlor-alkali, ethylene dichloride, methanol, ammonia, isopropyl alcohol, and elastomers production plants, along with the construction of port facilities, infrastructure works and associated facilities.

CONTACT:
Abu Dhabi National Oil Company (Adnoc)
PO Box: 898
Abu Dhabi, UAE

Phone: +971 2 6020000
Fax: +971 2 6023389

► OQ's Musandam Gas Plant Project

CLIENT: Musandam Oil and Gas Company ('OQ'), Oman
STATUS: EPC bids invited

The Musandam Oil and Gas Company ('OQ') has invited bids for the EPC works of Brownfield Modification for Onshore Depletion Compression at Musandam Gas Plant (MGP) project located on the west coast of the Musandam Province.

Last date to submit bids is 2 June, 2022.

The contract scope will include the design, procurement, supply, installation, inspection, testing, site construction supervision, pre-commissioning supervision, pre-commissioning, commissioning, start-up, mechanical acceptance, conducting performance guarantee tests and final acceptance, for:

- Mobilization and demobilization
- Site survey, and Data collection and FEED verification, etc.
- FEED acceptance
- Detail Design Engineering from FEED package including all required design, safety studies and reviews, - Procurement of all Material
- Construction, Equipment installation as per AFC drawings
- Commissioning, Performance test, and startup assistance
- Temporary facilities (workshop, storage yard, camp...)
- Update of 3D model and Asset registration of the Project
- Submission of AS Built drawings
- Final Project handover

CONTACT:
Oman Refineries & Petroleum Industries Company (Orpic)
Sohar Industrial Port, Sohar
PO Box 282, PC: 322
Sultanate of Oman

Phone: +968 2685 1000 / Toll free Number: 80071117 / +971 800 8363377
Fax: +968 2685 1211
Email: tawreed@OQ.om

► Iraq MoE's Iraq-Jordan Power Link Project

CLIENT: Ministry of Electricity, Iraq
STATUS: Contract awarded

Iraqi Ministry of Electricity has awarded a contract to GE of US to build power

facilities for the first phase of the project to link the country's electricity grid with Jordan.

The link with Jordan would supply electricity to Al-Qaim and Haditha cities in the Western Alanba Governorate as well as some areas of the Iraqi capital Baghdad.

The project's initial phase covers installing a high-voltage line between Al-Qaim in Iraq's western region and Jordan's eastern region of Al-Risha, at a cost of \$140mn. The substation will be located in Al-Risha area, about 15 kilometres from the border with Iraq.

The project is expected to be completed by the end of 2023.

CONTACT:
Ministry of Electricity
Baghdad, Iraq

Phone: +964 1-740-7316, +964 1-740-7377
Email: infocen@moelc.gov.iq

► KISR's Kuwait Water Desalination Plant

CLIENT: Kuwait Institute for Scientific Research (KISR), Kuwait
STATUS: Bids invited

The Kuwait Institute for Scientific Research (KISR) has invited bids for supplying a central seawater desalination plant in Kuwait.

Last date to submit bids is 7 June, 2022.

The contract scope involves supplying a central seawater desalination plant, including the primary and final treatments, to produce high quality drinking water.

CONTACT:
Kuwait Institute for Scientific Research
P.O. box 24885, Safat, 13109,
Kuwait

Phone: (+965) 24836105 / 24816302
Fax: (+965) – 24836637
Email: kisdrg@kisar.edu.kw

► UPNEDA's UP 75 MW Solar Park Project

CLIENT: Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), India
STATUS: Bids invited

The Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA) has invited bids to develop 75 MW of projects at the UP Solar Park.

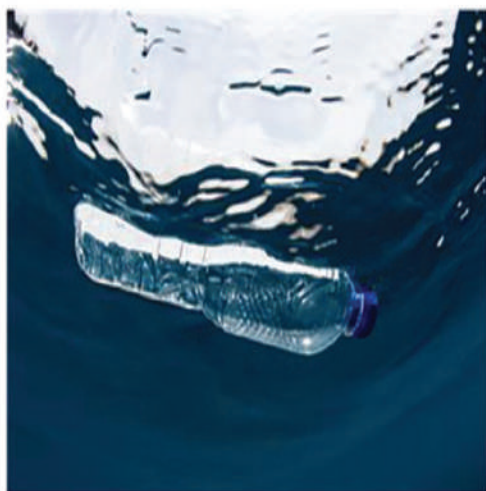
Last date to submit bids is 31 May, 2022.

The projects will be developed in Makrecha village (25 MW), Banghauri (20 MW), and Tikar 1 & Tikar 2 (30 MW) in the Jalaun district of Uttar Pradesh.

CONTACT:
Uttar Pradesh New and Renewable Energy Development Agency
VibhutiKhand,
Gomti Nagar,
Lucknow UP

Phone: 91-0522-2720652
Fax: 0522-2720779, 2720829

Sabic Launches Resin made with Ocean-bound PET Waste



Sabic, a global leader in the chemical industry, has launched LNP Elcrin WF0061BiQ resin, a novel material that uses ocean-bound polyethylene terephthalate (PET) bottles as a feed stream for chemical upcycling into polybutylene terephthalate (PBT) resin.

Ocean-bound plastic is mismanaged waste that originates within 30 miles (50 km) of the coast and is likely to end up in the ocean. The new grade is the latest addition to Sabic’s extensive portfolio of chemically upcycled LNP Elcrin iQ materials, which help support circularity while serving as potential drop-in replacements for virgin PBT resins. LNP Elcrin WF0061BiQ resin is a candidate for consumer electronics applications such as fan housings in computers and automotive seating, as well as electrical connectors and enclosures.

“We’re continually expanding our LNP Elcrin iQ portfolio – and the PET waste streams used to produce these materials – to help divert more plastic from the

oceans while helping our customers incorporate recycled materials in their products, achieve their carbon neutrality goals and meet consumer demands for greater sustainability,” said Sanjay Mishra, GM Technology & Footprint, Specialties, Sabic.

“Within the next decade, we anticipate upcycling 10 billion plastic bottles into higher-performing, durable materials that deliver enhanced value to customers. Sabic is committed to working with the plastics supply chain to find new solutions to address urgent environmental issues such as reducing ocean-bound plastic waste and achieving net zero carbon emissions.” The new LNP Elcrin WF0061BiQ grade, a glass fiber-reinforced PBT material, features non-brominated, non-chlorinated flame retardancy meeting the UL94 V0 standard at 0.8mm and F1 rating. It also delivers excellent heat resistance, toughness and stiffness, and high flow well-suited for molding thin-wall applications for outdoor environments such as electrical equipment enclosures.

All LNP Elcrin iQ materials can serve as possible drop-in replacements for conventional PBT to help manufacturers increase the sustainability of end products. Sabic’s proprietary upcycling technology, which involves the repolymerization of ocean-bound PET into PBT, delivers virgin-like performance properties. This process surpasses mechanical recycling in quality and consistency.

“According to an internal life cycle analysis conducted in accordance with ISO 14040/14044 protocols, LNP Elcrin WF0061BiQ compound can offer potential reductions of up to 14% in carbon footprint and up to 25% in cumulative energy demand, when compared to the virgin PBT compound reinforced with glass fiber,” said Darpan Parikh, Americas Customer Fulfillment Leader, Specialties, Sabic.

“By replacing virgin material with our resins, customers can help reduce environmental impacts by reusing plastic waste and eliminating halogenated additives.”

In addition to Sabic’s new LNP Elcrin WF0061BiQ resin, based on ocean-bound PET bottles, the company has introduced many different and innovative grades to the LNP Elcrin iQ portfolio, including glass- and mineral-reinforced products and flame-retardant formulations.

For example, Sabic’s new LNP Elcrin WF006XXPiQ and LNP Elcrin WF0061XPiQ compounds incorporate pre-consumer recycled glass fiber diverted from the waste stream of industrial processes. The use of recycled glass fiber further enhances the circularity of these upcycled PBT materials. The diversity of these formulations enables LNP Elcrin iQ resins to be considered for applications beyond electrical and electronics components, such as automotive exterior parts, healthcare

applications and personal care products.

Sabco is not only creating sustainable materials but also regularly formulating new resins and compounds using environmentally responsible and safer chemistries, such as non-brominated/non-chlorinated flame retardants.

According to the GreenScreen for Safe Chemicals benchmark rating, which was created by the non-profit organization Clean Production Action (CPA), these Sabco materials, and others in development, are, or will be, recognized with a score of 3 or higher, out of 4. Benchmark 3 is a relatively better result compared to that of average products and indicates only a slight concern. ■



India Could Become Carbon Neutral Before its 2070 Goal – Irena

India's focus on decarbonizing its steel sector and developing offshore wind power will help it become carbon neutral ahead of its promised goal of 2070, the director-general of the International Renewable Energy Agency said. Irena's Francesco La Camera told the Reuters Global Markets Forum late on Monday that India was "very serious" about meeting the challenges and was very interested in developing offshore wind power.

La Camera said India was also "on track" to reach its 2030 commitment to produce 50% of its energy from non-fossil fuels.

Prime Minister Narendra Modi has raised India's nationally determined contribution (NDC) target of non-fossil energy capacity to 500 giga watts (GW) by 2030, from just over 151 GW currently.

India's onshore wind capacity stands at over 40 GW, and for grid-connected or centralized solar power plants capacity is at around 60 GW.

India is already exploring pilot projects in offshore wind power, but was unlikely to enter that space until after 2030 as the technology is still expensive, said Vaibhav Chaturvedi, a fellow at the Council on Energy, Environment and Water (CEEW) think tank.

La Camera said the government expects green hydrogen - made from water and clean electricity - to power sectors, like steel, that find it hard to abate CO2 emissions.

He also emphasized the need to set up "standards and certification" as India begins exporting green hydrogen with conglomerates Reliance Industries, Adani Enterprises, along with state-run energy firms NTPC Ltd. and Indian Oil Corp. setting out manufacturing plans.

India plans to manufacture five million tonnes of green hydrogen per year by 2030 to meet its climate targets and become a global production and export hub for the fuel. ■

Scatec, Acme's Oman Project Gets World's First Green Hydrogen/Ammonia Certificate

Leading international inspection services provider TUV Rheinland has issued the world's first green hydrogen and green ammonia certificate to a production facility with a capacity of 1.2 million tonnes of green ammonia that Norway's Scatec ASA and India's ACME Group plan to build in the Sultanate of Oman.

Last month, the Norwegian renewable power producer and ACME unveiled a plan to jointly build and operate a large-scale green hydrogen and ammonia production facility in the Duqm Special Economic Zone (SEZ). The electrolyzers will have a



capacity of 300 MW and will be powered by 500 MW of solar.

The project will be implemented by Green Hydrogen and Chemicals SPC, an equally owned joint venture founded by the partner companies.

Following an assessment, the Germany-based inspection company concluded that Green Hydrogen and Chemicals SPC meets all criteria based on defined production methods, transport methods and the applications of hydrogen.

The certificate proves that ammonia and hydrogen produced from green energy have significantly lower levels of greenhouse-gas emissions than conventional hydrogen or fossil fuels.

"This certificate will enhance our capability to cater to international markets across Europe, America and Asia region for the supply of Green Ammonia. We have already started work on the Oman plant and are on track to commission the world's first large-scale green ammonia project," said ACM's chief executive

Rajat Seksaria. ■



Iraq Approves 750 MW Muthanna Solar Power Plant

Iraq has approved a project to build a 750 MW solar power plant in the Southern Muthanna Governorate to cater for growing domestic demand, said the country's Electricity Minister.

Adel Karim said smaller power substations would also be built in the governorate to ensure it has sufficient electricity supplies in Summer.

"We have decided to support Muthanna Governorate with a new solar power station with a capacity of 750 MW to tackle supply shortages," the Minister said.

Karim said the project is part of a strategy to increase reliance on renewable energy and slash electricity imports, mainly from nearby Iran.

Iraq has awarded contracts to Total of France and other companies for the construction of solar power stations and officials have said more projects would be

awarded this year. ■

Apicorp Appoints Al-Ruwaigh as New CEO



Al-Ruwaigh

Amidst shifts in the energy and finance sectors, the Arab Petroleum Investments Corporation (Apicorp), a multilateral financial Khalid bin Ali institution, has appointed Al-Ruwaigh as its new CEO.

Al-Ruwaigh takes over from Dr Ahmed Ali Attiga, who led the organization over the past five years during which Apicorp successfully navigated an ever-changing business and energy landscape.

Dr Aabed Al-Saadoun, Chairman of the Apicorp Board said: "The appointment of Khalid bin Ali Al-Ruwaigh marks a new chapter in Apicorp's journey of transformation amidst the shifts in the energy and financial sectors. We are cognizant of the importance, complexity and responsibilities of our developmental mandate, and we will continue to adapt to reflect the changing world around us."

Wealth of knowledge

"The wealth of knowledge and experience Khalid brings, having worked in a broad range of industries, will be instrumental in continuing our strong momentum in support of a balanced approach to the energy transition agenda and sustainable development goals of our Member Countries and wider Mena region," Dr Al-Saadoun added.

Al-Ruwaigh said: "I am excited to join Apicorp and be part of its transformational journey. As a company with a unique mandate which sits at the nexus of the energy and financial worlds, the opportunities for growth are truly vast. I look forward to working with our capable management team, our board, and our shareholders to connect industry stakeholders, develop innovative solutions, and support projects which have a positive, tangible, and lasting impact on the lives of people in our part of the world."

Al-Ruwaigh holds an MBA from California State University and a Bachelor's Degree in Information Systems from King Saud University. He joins Apicorp from Emirates NBD Capital KSA where he served as Chief Executive Officer since March 2019 and had held several senior and executive roles within the financial sector covering multi-asset classes such as Public & Private Equity, Real Estate, and Fixed Income.

Dolphin Drilling Names Michael Boyd for the Role of VP (Marketing)

Dolphin Drilling, a leading harsh environment drilling contractor for the offshore oil and gas industry, has elevated Michael Boyd to the role of VP (Marketing) from his current post of VP



Michael Boyd

(Supply Chain) as the company targets further growth and boosts its presence in the North Sea market.

With operational bases in Aberdeen, Stavanger and Mexico, Dolphin Drilling owns and operates three Aker H3 moored semi-submersible rigs which are currently being marketed in the UK, Norway and internationally.

Boyd, who initially joined the company in 2013 as assistant rig manager has progressed throughout his career at Dolphin spanning almost a decade excelling in multiple roles including Rig Manager, Project Manager, and later as VP of Supply Chain.

He has an MBA from the Open University and an MSc in Project Management from Aberdeen University.

On his appointment, Boyd said: "I am thrilled to have secured my new role within Dolphin Drilling. Having been with the company for the length of time I have, I have witnessed the ups and downs of the industry and watched Dolphin remain strong."

Oil India Names Manas Kumar as Director of Exploration & Development



Manas Kumar Sharma

Oil India Limited informed that in terms of the letter issued by the Ministry of Petroleum & Natural Gas, the Board of Directors of the Company has appointed Manas Kumar Sharma as Director of Exploration & Development.

It is confirmed that Manas is neither related to any Director of the Company nor has been debarred from holding the office by virtue of any order of SEBI/any other authority.

Manas was serving Oil India as Executive Director (Basin Manager-Shelf) prior to his appointment as Director (E&D), where he undertook various E&P activities within the operational areas in Assam and Arunachal Pradesh of OIL.

He brings in 30 years of extensive experience in the oil and gas industry, he has first-hand knowledge and experience in the subsurface & surface domain, both in the working as well as at the senior management level.

He is an alumnus of Dibrugarh University and has completed his Ph.D. and M. Tech in Applied Geology.

Pushp Kumar Joshi takes over as Chairman and Managing Director of HPCL



Pushp Kumar Joshi

Pushp Kumar Joshi took over as the new Chairman and Managing Director of India's third largest oil refining and fuel marketing company Hindustan Petroleum Corporation Ltd (HPCL). "Prior to this Dr Joshi was Director-HR of the Corporation from August 01, 2012," the company said in a statement.

Joshi, the senior-most director on the HPCL board, was in January picked by the government headhunter PESB to replace Mukesh Kumar Surana. Surana superannuated from services on April 30, 2022, but in absence of a formal order from the Appointments Committee of the Cabinet (ACC) headed by the Prime Minister, Joshi was named interim head.

The ACC confirmation of his appointment has now come and he has formally taken over as the Chairman and Managing Director of HPCL. Joshi is also holding the additional charge of Director-Marketing of HPCL.

Shashi Shanker Appointed as Independent Director on Adani Total Gas board



Shashi Shanker

Shashi Shanker, former Chairman and Managing Director of Oil and Natural Gas Corporation, has been appointed as an independent director on the board of Adani Total Gas Ltd (ATGL), the company said in a regulatory filing. Shanker, who

superannuated as the head of India's largest oil and gas producer on March 31, 2021, was appointed to the board of ATGL on May 4. He was Chairman and Managing Director of state-owned ONGC from October 1, 2017 to March 31, 2021. ATGL is a joint venture of billionaire Gautam Adani-led infrastructure-to-energy conglomerate and Total of France for city gas business entailing the sale of CNG to automobiles and piped natural gas to households and industries.

The company board is headed by Adani and includes his nephew Pranav Adani as director. Jose Ignacio Sanz Saiz and Olivier Sabrie are two nominee directors of the French energy giant, according to the company's website. He (Shashi Shanker) is a Petroleum Engineer from Indian Institute of Technology (ISM), Dhanbad and holds an MBA degree with specialization in finance," the company said.

Bahrain

Tender Name	Procurement of Spare Parts
Country	Bahrain
Bid Bond	BD 500
Description	The Tender Board of Bahrain has invited bids for Procurement of Spare Parts for ABB ACS1043 MV Variable Frequency Drive Emergency Breakdown Repair Work at Various Water Station in WTD Water Meter. The Client is the Electricity and Water Authority. Complete tender documents can be obtained on payment of BD 15 from the e-Tendering portal at http://www.tenderboard.gov.bh .
Closing Date	07-06-2022
Contact Detail	
Address	Bahrain Tender Board 7th Floor, Almoayyed Tower, Seef District PO Box 18686, Manama, Kingdom of Bahrain
Phone	(+973) 1756 6666
Fax	(+973) 1758 7855
Email	helpdesk@tenderboard.gov.bh

Tender Name	Hazardous Waste Management Services
Country	Bahrain
Bid Bond	-NA-
Description	The Tender Board of Bahrain invites for the Pre-Qualification of Hazardous Waste Management Services. The main objective of this Pre-Qualification is to identify and shortlist the potential Applicants who have the capability of providing BAPCO with: <ul style="list-style-type: none"> • Managing and overseeing operations of Bapco's Class 1 Landfill. • Oily Sludge Treatment & Disposal or other management techniques advised by the Applicant. • Bio Sludge Disposal or other management techniques or other management techniques advised by the Applicant. • Leaded Waste Treatment & Disposal or other management techniques advised by the Applicant. • Pyrophoric Waste Treatment & Disposal or other management techniques advised by the Applicant. • Tank Pads Treatment & Disposal or other management techniques advised by the Applicant. • Contaminated Soil Treatment & Disposal or other management techniques advised by the Applicant. • Disposal of chemicals. The Client is the Bahrain Petroleum Company (Bapco). Complete tender documents can be obtained on payment of BD 50 from the e-Tendering portal at http://www.tenderboard.gov.bh .
Closing Date	22-06-2022
Contact Detail	
Address	Bahrain Tender Board 7th Floor, Almoayyed Tower, Seef District

Phone	PO Box 18686, Manama, Kingdom of Bahrain (+973) 1756 6666
Fax	(+973) 1758 7855
Email	helpdesk@tenderboard.gov.bh

India

Tender Name	Purchase of Land for Construction of Substation
Country	India
Bid Bond	Earnest Money Deposit: Rs 5,00,000/-
Description	Tenders have been issued by Power Grid Corporation of India Limited (PGCIL) for the Purchase of Land for Construction of 765/400kV Sikar-II Substation. Complete tender documents can be obtained from PGCIL. For any query related to this tender please contact - Tender Inviting Authority: Saurabh Agrawal, Chief Manager Powergrid Corporation of India Limited, Northern Region-I, Regional Headquarter, SCO Bay No. 5 to 10, Sector 16A, Faridabad-121002
Closing Date	13-06-2022
Contact Detail	
Address	Power Grid Corporation of India Ltd (PGCIL) Saudamini, Plot No.2, Sector 29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001, India.
Phone	0124-2571845
Fax	0124-2571912
Email	chetan@powergridindia.com

Tender Name	MIL Make Actuators and Spares
Country	India
Bid Bond	-NA-
Description	Tenders have been issued by NTPC India Limited for the MIL make actuators and spares for Bongaigaon. Complete tender details can be obtained from NTPC. For any query related to this tender please contact - G VEERESH Simhadri Thermal Power Project P.O. Simhadri Visakhapatnam 531020
Closing Date	17-06-2022
Contact Detail	
Address	NTPC Ltd. NTPC Bhawan, SCOPE Complex, Institutional Area, Lodhi Road, New Delhi – 110003
Phone	91 11 24360100, 24387000, 24387001
Fax	91 11 24361018

Tender Name	Replacement of Complete Pumping Units
Country	India

Country	-NA-	Fax	+971 4 4404195
Bid Bond	Tenders have been issued by ONGC India Limited for Replacement of Complete Pumping Units for Mut Auto Sampler Installed at Uran Plant.	Email	reception@petrochina-hfy.com
Description	Place of submission of tender: Online on e-procurement portal of ONGC https://etender.ongc.co.in For any query related to this tender please contact: Aditya Shubhanayan Ph:-7304443150	Kuwait	
Closing Date	27-06-2022	Tender Name	Replacing the Pipelines and Valves of the Chlorine Plant
Contact Detail		Country	Kuwait
Address	ONGC IDT Campus, Kaulagarh Road, Dehradun-248195	Bid Bond	KD 150,000
Phone	0135-2758778 (Office)	Description	Tenders have been issued by Kuwait Central Tenders Committee (CTC) for replacing the pipelines and valves of the chlorine plant in the West Doha power generation and water distillation plant. Client is the Ministry of Electricity, Water and Renewable Energy. Complete bid documents can be obtained on payment of KD 1000 from CTC.
Fax	0135-2753639	Closing Date	12-06-2022
Iraq			
Tender Name	Flow Line Project	Contact Detail	
Country	Iraq	Address	Central Tenders Committee of Kuwait PO Box 1070, Safat 13011.
Bid Bond	USD 390000	Phone	965 2401200
Description	Tender has been issued by CNOOC Iraq Limited for Flow Line Project Phase I. Complete tender details can be obtained on payment of USD 100 from CNOOC.	Fax	965 2416574
Closing Date	05-06-2022	Email	info@ctc.gov.kw
Contact Detail		Tender Name	Cleaning Works for the Main Transfer Stations
Address	CNOOC Iraq Limited Room 239, Work Base, CNOOC Camp, Missan Oil Fields.	Country	Kuwait
Phone	Office Tel: +861084527122 (with voice prompt) +7 +Extension: 6240/6248.	Bid Bond	KD 15,000
Fax	Tel: +964-(0)781-2239-045 or +964 (0)7801892492 or +964(0)7810601649	Description	Tenders have been issued by Kuwait Central Tenders Committee (CTC) for cleaning works for the main transfer stations located in the southern region of the State of Kuwait. Client is the Ministry of Electricity, Water and Renewable Energy. Complete bid documents can be obtained on payment of KD 1000 from CTC.
Email	Aiten@cmitfod.com; Ahmadkinan@cmitfod.com; Mohameddiab@cnoociraq.com	Closing Date	12-06-2022
Tender Name	Purchase of Casing for 150 Wells	Contact Detail	
Country	Iraq	Address	Central Tenders Committee of Kuwait PO Box 1070, Safat 13011.
Bid Bond	-NA-	Phone	965 2401200
Description	Tenders have been issued by PetroChina International Iraq FZE for Purchase of Casing for 150 Wells. Complete tender details can be obtained on payment of \$100 from PetroChina International, Iraq Branch.	Fax	965 2416574
Closing Date	09-06-2022	Email	info@ctc.gov.kw
Contact Detail		Tender Name	MFL In-Line Inspection Services for Pipelines
Address	PetroChina International Iraq FZE 4th Floor, Building No. 10, P.O. Box: 500486 Dubai Internet City, Dubai, UAE.	Country	Kuwait
Phone	+971 4 4404100	Bid Bond	KD 30,000
		Description	Tenders have been issued by Kuwait Oil Company (KOC) for the MFL In-Line Inspection Services for Pipelines. Complete tender's details can be obtained on payment of KD 250 from KOC.
		Closing Date	20-06-2022
		Contact Detail	
		Address	Kuwait Oil Company (K.S.C.) P.O. Box 9758, Ahmadi 61008 Ahmadi

Phone	Kuwait 00965 – 23989111 / 23865250 / 23865251		Study of Pipe Materials and its Possible Contribution to the Turbidity in Water Networks. In line with continued commitment to provide excellent potable water service to its customers, Kahramaa intends to investigate and diagnose the water quality deterioration with respect to turbidity and discoloration in distribution networks by field survey and to evaluate pipelines in terms of their preservation performance of good water quality. Kahramaa intends to engage the services of a consultant to carryout study of Turbidity in Ductile Iron pipeline. Complete tender documents can be obtained on payment of QR 500 from Kahramaa Website (www.km.qa). 12-06-2022
Fax	00965 – 2398366 / 2398 0429		
Email	kocinfo@kockw.com / commercialContracts@kockw.com		
Oman			
Tender Name	Topography Consultancy Services	Closing Date	Kahramaa 7th Floor, KM Main Building 41 Doha, State of Qatar.
Country	Oman		
Bid Bond	-NA-	Contact Detail	974-44845555 974-44845496
Description	Tenders have been issued by OPWP for the provision of topography consultancy services for Adhoc Services. Complete tender details can be obtained from OPWP. 05-06-2022		
Closing Date		Address	contactus@km.com.qa
Contact Detail		Phone	
Address	Oman Power & Water Procurement Co SAOC Floor 5, Building 5, Muscat Grand Mall, Tilal Complex (Office) Al Khuwair Al Janubiyah PO Box: 1388, PC 112 Ruwi	Fax	
Phone	+968 24508400	Email	
Fax	+968 24-399946 / +968 24-399947	Tender Name	Supply of Switchgear Spares
Email	info@omanpwp.com	Country	Qatar
Tender Name	Inspection, Maintenance, Advance Testing and Oil Filtration of Transformers	Bid Bond	QR 16,000
Country	Oman	Description	Tenders have been issued by Qatar General Electricity & Water Corporation "KAHRAMAA" for the Supply of Switchgear Spares (SF6 Gas, SF6 Gas Density Monitors, SF6 Dehydration unit, Jaw Coupling, Limit Switch, Current Transformer, Capacitive Voltage Detectors, Mosaic LED Indicators) for KM Transmission Substations. Complete tender documents can be obtained on payment of QR 500 from Kahramaa Website (www.km.qa). 15-06-2022
Bid Bond	-NA-	Closing Date	
Description	Tenders have been issued by the OQ S.A.O.C. (OQ) for Call off Services for Inspection, Maintenance, Advance Testing and Oil Filtration of Transformers at OQ plants. Contact Point: Manoj Mathew Email: manoj.matthew@oq.com Phone: (+968) 22143028 Complete tender documents can be obtained on payment of OMR 126 from OQ. 12-06-2022	Contact Detail	
Closing Date		Address	Kahramaa 7th Floor, KM Main Building 41 Doha, State of Qatar.
Contact Detail		Phone	974-44845555
Address	OQ Refineries and Petroleum Industries L.L.C. Muscat Grand Mall PO Box 241, PC 118, Muscat, Oman +968 2685 1000 / Toll free Number: 80071117 (within Oman)/ +971 800 8363377	Fax	974-44845496
Phone		Email	contactus@km.com.qa
Fax	+968 2685 1211	Tender Name	Upgrade F&G Detection System in Battery Rooms
Email	tawreed@OQ.com	Country	Qatar
Qatar			
Tender Name	Study of Pipe Materials	Bid Bond	QR 6,000,000
Country	Qatar	Description	Tenders have been issued by QatarEnergy (QP) to Upgrade F&G Detection System in Battery Rooms, Workshops and Integration of F&G systems at all Facilities within Dukhan. The existing fire and gas systems installed in various buildings/facilities in Dukhan field are found
Bid Bond	QR 10,000		
Description	Tenders have been issued by Qatar General Electricity & Water Corporation "KAHRAMAA" for the		

<p>Closing Date</p> <p>Contact Detail Address</p> <p>Phone</p> <p>Fax</p>	<p>inadequate and not compliant with QP Philosophy for Fire & Safety.</p> <p>In addition, the application of the philosophy is not uniform across the field as highlighted by Process Safety & Loss Prevention team at Dukhan Operations in their different study reports. The non-compliance to QP corporate philosophy poses a serious threat to the safety of personnel and capital assets. Any incident may result in serious consequences as these facilities are located either within or in the vicinity of oil & gas processing & production facilities.</p> <p>The objective of the project is to enhance the safety of human and capital assets by upgrading the F&G Detection systems for Battery Rooms, Workshops, Security Guard rooms and Instrument Air Compressor Shelters at all Production Stations Facilities within Dukhan, ensuring compliance to QP Philosophy for Fire & Safety, Shell DEPs and relevant applicable International Engineering standards for Fire and Gas Systems.</p> <p>Suppliers and Contractors who are already registered with QatarEnergy via e-Registration system and are in possession of a valid SAP ID issued by QatarEnergy can buy Tender Online and download Tender Document from QatarEnergy's website.</p> <p>QatarEnergy has discontinued the method of payment of Tender Fee by cash at QNB and manual issue/collection of Tender Documents against Open/Public Tenders. Complete tender documents can be obtained on payment of QR 500 from QatarEnergy.</p> <p>26-06-2022</p> <p>QatarEnergy PO Box 3212, Doha, Qatar</p> <p>974 4440 2000 974 4483 1125</p>	<p>Phone</p> <p>Fax</p> <p>Email</p> <p>Tender Name</p> <p>Country</p> <p>Bid Bond</p> <p>Description</p> <p>Closing Date</p> <p>Contact Detail Address</p> <p>Phone</p> <p>Fax</p> <p>Email</p>	<p>(9661) 4630503/ 4634546/ 4631111</p> <p>(9661) 4643235/ 4641111</p> <p>info@swcc.gov.sa</p> <p>Completing the Infrastructure of the Lifting Stations Saudi Arabia</p> <p>-NA-</p> <p>Tenders have been issued by Saline Water Conversion Corporation for completing the infrastructure of the Lifting Stations of the treatment plant in Prince Nayef Security City.</p> <p>Complete bid documents can be obtained from SWCC.</p> <p>14-06-2022</p> <p>Saline Water Conversion Corporation (SWCC) Makkah Road, PO Box 85369, Riyadh 11432</p> <p>(9661) 4630503/ 4634546/ 4631111 (9661) 4643235/ 4641111 info@swcc.gov.sa</p>
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Saudi Arabia

<p>Tender Name</p> <p>Country</p> <p>Bid Bond</p> <p>Description</p> <p>Closing Date</p> <p>Contact Detail Address</p>	<p>Supplying Special Valve Parts</p> <p>Saudi Arabia</p> <p>-NA-</p> <p>Tenders have been issued by Saline Water Conversion Corporation for Supplying Special Valve Parts for Jubail Desalination Plants 60006240.</p> <p>Complete bid documents can be obtained from SWCC.</p> <p>12-06-2022</p> <p>Saline Water Conversion Corporation (SWCC) Makkah Road, PO Box 85369, Riyadh 11432</p>	<p>Phone</p> <p>Fax</p> <p>Email</p>	<p>(9661) 4630503/ 4634546/ 4631111</p> <p>(9661) 4643235/ 4641111</p> <p>contracts@dewa.gov.ae</p>
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