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August 27, 2020

Manager – Department of Corporate Services,
Bombay Stock Exchange Ltd.,
Registered Office: Floor 25,
P J Towers, Dalal Street,
Mumbai- 400 001

Dear Sir/Madam,

(Scrip Code : 533033, Scrip Id: ISGEC)

Subject: Public Advertisement published in Newspapers regarding 87th Annual General Meeting e-voting information and Book Closure

1. Further to earlier submission of Notice of 87th Annual General Meeting, Annual Report for the financial year 2019-20 and Book Closure intimation vide letter dated August 25, 2020, please find enclosed public advertisements published on August 26, 2020, regarding 87th Annual General Meeting e-voting information and Book Closure.
2. The copies of the same in English daily newspaper (Business Line) and Hindi daily newspaper at registered office Yamunanagar (Hari Bhoomi) are attached for your record.
3. This intimation is also available on the website of the Company at www.isgpec.com
4. Request to kindly take this intimation on record.

Yours faithfully,
For Isgpec Heavy Engineering Limited

(S. K. Khorana)
Executive Director and Company Secretary

Encl: As above

Giving renewable energy what it badly needs: markets

This may soon become a reality, going by recent far-reaching developments. **M Ramesh reports**

One of the factors holding back the renewable energy sector, from the kind of unbridled growth that is expected of it, is the somewhat sclerotic tariff structure. Every project is tied to a buyer and a price for a quarter century. True, there are some 'open access' solar projects (none wind) which sell power on medium-term contracts, but they are still small, given chiefly, the challenges in funding such open access projects as banks prefer long-term visibility of cash flows.

But two recent developments in the power markets are shining a torch on a new path ahead for renewable energy. One is the introduction of 'real time market' (RTM) on June 1, and the other 'green term ahead market' (G-TAM) that kicked in last week. There are others in the offing: over-the-counter (OTC) facility, market-based economic dispatch of electricity (MBED) and long-term forward contracts (and possibly, options too) on the exchanges. Though not directly related to renewable energy, they will help the cause of RE because in a free market, the better product will be mopped up first.

In the RTM, a generator can offer to sell power for delivery in the next one hour. The experience with this has been good.

The volumes were rich (515 million units in June, 785 mu in July and 580 mu so far in August). "We never expected volumes to be this good," says Rajesh Kumar Mediratta, Director at IEX, the country's leading power exchange. The prices have been good too, averaging ₹2.49 a kWh in July and ₹2.14 in August, but also peaking at over ₹5 at some points in time.

There is also a call that the renewable energy generators, who are now allowed to make revisions during the day in their schedules (wind 16 times and solar 8), should instead be asked to buy from RTM and supply if there is a fall in their generation.

While it is still early to judge, a quick small test shows that the availability of a liquid market yielding good prices would give confidence for renewable energy companies to put up some 'merchant' capacities outside long term PPAs.

The Green TAM is a separate chamber for renewable energy producers and buyers. The 'obligated entities' mandated to buy a certain portion of green power as specified by the respective state electricity regulatory commission, can now discharge their 'renewable purchase obligation' also by buying green power from the market, in the power exchanges. Here



again, since buyers are there to meet their obligations, there is hope for firm prices.

Today, the regulators allow contracts for delivery up to 11 days in the 'term ahead market', but this is set to change soon. In the near future, longer duration contracts are possible.

With the RTM and G-TAM in place, "merchant capacities are bound to come," says Rohit Bajaj, Head - Business Development, IEX. Bajaj notes that 'open access' renewable energy plants, such as those owned by Cleanmax Solar, have short term contracts for 1-2 years. Now, once the contract period is over, the power producers will have one more market to sell - the exchange.

Likewise, customers (typically, commercial and industrial), who buy power from the open access generators, can now try green power from the market.

Furthermore, there are a number of renewable energy generators who have been getting paid a fixed 'feed-in tariff', whose contract period is coming to an end. These generators are now trying to re-negotiate their contracts with the discoms. With the advent of G-TAM, they now have the additional option of selling their power in the market, notes Bajaj.

Next steps

The next steps are OTC, MBED and derivatives and going by the signals emanating from the Central Electricity Regulatory Commission these are definitely happening. The OTC market, unlike an exchange, is only a buyer-seller match-maker, defined officially as "an electronic platform for exchange of information amongst buyers and sellers of electricity," rather like the Ministry of Power's DEEP

portal, which itself could become an OTC.

The MBED is an interesting measure, aimed at (eventually) pushing all transactions, including bilateral, to the exchanges, based on the view that the exchanges provide information and transparency and thereby aid price discovery. What shape this will take is as yet unclear, but if renewable energy companies are allowed to offer sell bids on the basis of their negligible variable costs, it would help. Essentially, renewable energy companies now have a widening market, lending bigger wings to the industry.

Two-part tariff

While the authorities are in a reform-mode, one more suggestion has been flagged by experts. The real rocket-fuel to renewables is the abolition of the single-part tariff and bringing in a regime of two-part or multi-part tariff. The move is being advocated by many experts, notably, Sushil Kumar Soonee, a former CEO of and current adviser to the government-owned Power System Operation Corporation Ltd (POSOCO). Their argument is simple: two (or multi) part tariff is more scientific, captures risks better. India moved from single part tariff to two-part tariff for thermal power after much deliberation. "I struggled for it for 15 years," recalls Soonee. Today, thermal power plants' tariff include fixed and variable cost components. Why is two-part tariff sensible

for thermal but not for renewables, is a question that is floating around today.

In fact, for renewables, the tariff structure could include, as industry demands, a 'deemed generation compensation' if the buyer does not pick up the power due to commercial reasons; and another component for making the plant available. A multi-part tariff is more scientific and would discourage curtailment, says Soonee. He feels it would be a positive for the industry. Several experts agree with Soonee. "With growing penetration of RE, curtailment of generation is going to be inevitable. Be it China, Germany, or California, renewables are curtailed to some extent. So, the two-part tariff would be in the best interest of off-takers of renewables as well as investors," says Vishal Pandya, Co-founder and Director, REConnect Energy Solutions.

Despite some hiccups, India's renewable energy story is a good one. Some data thrown up by JM Research illustrate this: As of June 30, 2020, 35 GW of solar capacity and 38 GW of wind capacity is commissioned. The current pipeline of solar, wind and hybrid projects stands at 47 GW while 24 GW of projects are under bidding phase where tenders are issued but auctions are not completed. Even assuming that all the projects will materialise, these are respectable numbers. What the industry needs is freeing up of markets. By the looks of it, it is happening.

A green touch to the Thar desert

The Maruvan project strives to rejuvenate an arid stretch of the Marwar region in Rajasthan

PREETI MEHRA

The parched earth, the cracked dry soil and jaded brown shrubbery did not deter the resolve of this bunch of youngsters to reforest the arid terrain of the Thar desert. For them, the challenge was to restore the lost native habitat of the Marwar region of Rajasthan. Part of the social enterprise Afforestt, which has been foresting urban and rural pockets since 2011, they were keen to experiment in a region less trodden, even if it meant reclaiming the traditional vegetation of the desert "one patch at a time".

"The desert is a very misunderstood ecosystem. It is delicate, beautiful and comprises slow growing trees, several kinds of grasses, a variety of scrubs and many wild animals. But unfortunately, Rajasthan has always been considered a dry state and no one has considered foresting it," says Gaurav Gurjar, who leads the Maruvan project in Jodhpur district, which hopes to restore the native forests by developing patches using the Miyawaki technique of rejuvenation.

Afforestt's founder, Shubhendu Sharma, was introduced to this method by Japanese botanist Akira

Miyawaki when he came to create a forest at the Toyota factory in Bengaluru where Sharma worked as an engineer. The technique involves creating vegetation on degraded land based on the native varieties of plants that traditionally grew in the landscape and planting them in original ratios and sequences. Miyawaki propagates the creation of multilayer forests and rewinding the organic biodiversity ecosystem of an area. This helps to mitigate the devastating impact of climate change.

Work started after Gurjar managed to identify the land that they could use for the experiment. "The land that we chose has its own symbolism. Situated close to the Luni river, it sits in Peshawas village in the same zone where in 1730 AD

a conservation movement — the Chipko andolan — took place. Similar to the Chipko movement, here over 300 Bishnoi tribals laid their lives to save the Khejri trees, which are revered and considered the life force of the ecosystem," says Gurjar who belongs to Jodhpur and firmly respects the community laws concerning the felling of trees.

In search of sweet water

The next step was to create a vital sweet water source in this essentially saline land. The team found out that this area in the flood plains had several wells and grew crops once upon a time. But flash floods in the 1970s destroyed the entire region and buried villages, animals, and water sources. Gurjar



Back to tradition The team hand-dug a deep traditional well, plastered with lime, to store sweet water

learnt that there was a well on their land, but his team was unable to locate it.

So, they used traditional methods and hand-dug a 22 ft deep and 10 ft in radius *sajja ka kuan*, a traditional well, plastered with lime, that stored sweet water. They also designed a network of ponds and canals and before long water bodies and a rain harvesting system was in place. It is now so full of wa-

ter that it attracts migratory birds. Before planting the forest, the team removed a foreign plant *prosopis juliflora*, locally known as *Bavaltya* (meaning literally, 'the mad one' as its spread is unstoppable) that had been planted by the *raj*as (kings) of yore. Once this was done, grasses grew back on the land.

"Soon we saw the arrival of the weaver bird, and today we can see strings of their nests. The locals say the bird had disappeared for many decades," says Gurjar.

Maruvan is a project in progress. Sharma and Gurjar hope to showcase what a natural and native forest looks like. Helped by local villagers who are the knowledge source of the desert and skilled in local customs, the team is setting up a seed bank and a functional nursery of native plants that could

help others interested in rewinding the region. Maruvan has also been turned into a Section 8 not-for-profit company so that it can take on many projects of training people in the Miyawaki method and greening more and more desert patches. In fact, the first forest patch in Maruvan was planted by a 17-member team from Netherlands that came to train in the technique. The second was planted by volunteers from the Guru Nanak Sacred Forests Project that came to learn the method.

Maruvan is a personal and internal project of Afforestt, which at last count has created 138 urban forests in 44 cities in 10 countries. The philosophy of the company is to share its learnings and remain an integrated open source model. "The goal is not only to create a forest and restore biodiversity but also to build a research centre for reforestation," concludes Sharma.

NEWS

Tata Motors hopes to bring debt to near-zero in 3 years

Aim is to generate positive free cash flows from FY22, says Chandrasekaran

NANDANA JAMES

Mumbai, August 25

Tata Motors Ltd plans to bring down its net automotive debt of ₹48,000 crore to near-zero levels in the next three years, and has set a target for the TML Group to generate positive free cash flows from FY22 onwards, said N Chandrasekaran, Chairman. He was speaking at the company's 75th annual general meeting held virtually on Tuesday.

"We currently have a net automotive debt ₹48,000 crore and we are deleveraging this business substantially. We have set a target that TML group will significantly bring down the debt and come to near-zero debt levels in the next three years. To-

wards this, we have already taken steps and have a target for TML Group to generate positive free cash flows from FY22 onwards. Overall investments of the group have reduced by 50 per cent during this fiscal year, and we will continue to manage this tightly going forward. The TML Group will also look to unlock non-core investments," said Chandrasekaran.

The company is also looking at sharpening its product portfolio in its subsidiary, Jaguar Land Rover (JLR), and will continue to invest in "new disruptive areas like autonomous and connected vehicles", he said.

Speaking about the challenges faced by the automotive industry in the past year, he said domestic auto sales declined 18 per cent year-over-year in FY20, the lowest print since the data series was introduced in 2001.

"Alongside a broad eco-



N Chandrasekaran, Chairman, Tata Motors

nomical slowdown, regulatory changes—including changed axle load norms and the migration to BS-VI emission standards—fuelled uncertainty for both consumers and suppliers. These challenges were further exacerbated in the final quarter of the year by the country's strict lockdown measures in response to the pandemic," he said.

JLR sales hit
Ongoing trade conflicts and the Covid-19 pandemic adversely impacted JLR vehicle sales in FY20, which contrac-

tured 12 per cent year-over-year, he said. "JLR undertook a host of structural initiatives to drive efficiencies so that despite the decrease in volumes, the business improved its profitability during the year and reduced its cash outflows, compared with previous years. Our turnaround programme in China resulted in six months of continued double-digit year-over-year growth," he said.

Financial performance

During the first quarter of the current fiscal, Tata Motors reported a consolidated net loss of ₹3,679.66 crore during the same period last year. The total revenue from operations during the quarter stood at ₹31,983.06 crore, compared to ₹61,466.99 crore in the June quarter last year, marking a 47.96 per cent drop.

Under the civil settlement agreements signed with the DOJ, Sun's subsidiary DUSA Pharmaceuticals Inc will pay \$20.75 million (over ₹150 crore) to resolve allegations related to the promotion of these products, the company told the Bombay Stock Exchange.

In fact, Sun Pharma had made a provision of ₹156.36 crore in its consolidated financial statement for the three months ended March 2020 for the settlement, the company said. This was a fallout of a complaint filed by a former employee in September

Sun Pharma arm settles US probe on product promotion

OUR BUREAU

Mumbai, August 25

Sun Pharmaceutical Industries' subsidiary in the US has reached a resolution with the Department of Justice (DOJ) on the promotion of Levulan Kerastick (aminolevulinic acid HCL) and BLU-U@.

Under the civil settlement agreements signed with the DOJ, Sun's subsidiary DUSA Pharmaceuticals Inc will pay \$20.75 million (over ₹150 crore) to resolve allegations related to the promotion of these products, the company told the Bombay Stock Exchange.

In fact, Sun Pharma had made a provision of ₹156.36 crore in its consolidated financial statement for the three months ended March 2020 for the settlement, the company said.

This was a fallout of a complaint filed by a former employee in September

2016. "DUSA had already made a provision towards this in its Q4 financials for the year ended March 31. The

settlement does not constitute any admission by DUSA of any liability or wrongdoing," the statement added.

Cognizant to acquire Tin Roof Soft

OUR BUREAU
Chennai, August 25
To expand digital engineering services, Cognizant Technology Solutions will acquire Tin Roof Software for an undisclosed sum.

Tin Roof Software, a privately-held custom software and digital product development services company headquartered in the US, specialises in innovative digital products that allow companies to improve customer experiences and increase revenues.

Tin Roof's experts will join Cognizant Softvision. In 2018, Cognizant acquired Austin, Texas-based Softvision, which develops custom digital products using collaborative engineering methods. Cognizant Softvision has a significant global presence, said a release from Cognizant.

Ramco Systems bags mega deal in Malaysia

OUR BUREAU

Chennai, August 25

Ramco Systems has signed up a multi-million-dollar agreement with a leading utilities and infrastructure group with diversified businesses in Malaysia for delivering group-wide digital transformation across its ports and logistics operations.

"We cannot disclose the value, but it is sizeable," said an official of the Chennai-based software company.

With this win, Ramco's enterprise platform will support in managing more than 50 per cent of all port operations in Malaysia.

With a strong presence in the ports and logistics segment, the win further positions Ramco as the preferred enterprise digital transformation platform of choice for large enterprises looking at emerging more agile and

stronger post the pandemic. Meanwhile, Ramco's stock price on the BSE touched the upper circuit during the day at ₹241, which was a 52-week high. The stock price had gained over ₹50 in the last one week — from ₹189.90 on August 17 to an intra-day high of ₹241 on Tuesday. In the last one week, the stock price hit the upper circuit six times.

Ramco Systems stock price ended the day at ₹233.80 on the BSE, up 1.85 per cent over the previous close.

Despite the Covid-19 pandemic, Ramco Systems reported highest ever net profit of ₹14 crore for the first quarter ended June 30, against ₹3 crore for the same quarter last year.

Interestingly, the net profit in the first quarter was more than ₹11 crore reported for the entire financial year 2019-20.

TVS Automobile partners Google Cloud to build a 'super platform' for aftermarket

OUR BUREAU

Chennai, August 25

TVS Automobile Solutions is building a 'super platform' aimed at bringing fragmented stakeholders of the automotive aftermarket into a single digital ecosystem. It has chosen Google Cloud as its technology partner for the purpose.

Vehicle owners, retailers, garages, independent owners, fleet owners and insurance companies, among others, will be digitised and empowered with future technologies by bringing them under the 'Platform of Platforms' — a seamless digital technology architecture to provide service, parts, roadside assistance and insurance.

The new platform is expected to enable the delivery of service or parts within 24 hours across the country.

"The super platform is the first of its kind initiative in the



G Srinivasa Raghavan, MD, TVS Automobile Solutions

automotive aftermarket globally. Out of 2-3 players, we choose Google Cloud for seamless global play in the aftermarket and also to bring future technologies such as connected vehicles, artificial intelligence and machine learning, big data, among others," said G Srinivasa Raghavan, Managing Director, TVS Automobile Solutions.

The initiative is the culmination of years of transformational efforts carried out by the company in the areas of gar-

age network, Partsmart, on-demand services, among others.

It is expected to help achieve TVS ASL's objective of securing 10 per cent market share in the aftermarket by 2023, up from four per cent now.

The Indian independent automotive aftermarket is estimated at about \$10 billion and has been growing at a CAGR of 7-10 per cent over the past five years.

The market is highly fragmented with over 40,000 retailers, 1 lakh garages and thousands of small distributors across the country. In the last five years, TVS Automobile has established a strong leadership by supporting over 2 million customers, 20,000 retailers, 10,000 garages along with fleet management for over 70,000 vehicles.

Phase 1 of the 'Super Platform' is expected to be rolled out in October.

ISGEC HEAVY ENGINEERING LIMITED
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NOTICE

i) NOTICE is hereby given that pursuant to provisions of Section 108 of the Companies Act, 2013 ("Act"), Rule 20 of the Companies (Management and Administration) Rules, 2014 (as amended), Regulation 44 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 ("LODR") (as amended), Secretarial Standard on General Meeting (SS-2) and the Circulars issued by the Ministry of Corporate Affairs dated April 08, 2020, April 13, 2020 and May 05, 2020 ("MCA Circulars"), the Company is pleased to provide its Members, facility for voting by electronic means to enable them to exercise their right to vote on resolutions proposed to be considered at the Annual General Meeting (AGM) scheduled to be held on **Friday, September 18, 2020 at 11:30 a.m. (IST)** through **Video Conferencing (VC) or Other Audio Visual Means (OAVM)** for which purpose the Registered Office of the Company situated at Radaur Road, Yamunanagar-135001, Haryana, shall be deemed as the venue for the Meeting. The Company has engaged the services of National Securities Depository Limited (NSDL), for facilitating voting through electronic means, as the authorized agency. The facility of casting votes by a Member using remote e-voting system as well as e-voting on the day of the AGM will be provided by NSDL.

ii) In Compliance with the aforesaid MCA Circulars and the SEBI Circular dated May 12, 2020, the Notice of the AGM along with Annual Report for the financial year 2019-20 has been sent through electronic mode to the Members whose email addresses are registered with the Company or the Depository Participant(s) on Tuesday, August 25, 2020. The Notice of AGM along with the Annual Report 2019-20 is available on Company's website at www.isgsec.com in the Investor Relations/Financials/Compliance Section under Notice to the Shareholders tab and under Annual Report tab and also on NSDL website at www.evoting.nsdl.com and on BSE Limited website at www.bseindia.com

iii) The remote e-voting shall commence from **Tuesday, September 15, 2020 at 9:00 a.m. (IST) and will end on Thursday, September 17, 2020 at 5:00 p.m. (IST)**. The remote e-voting shall not be allowed beyond the said date and time.

iv) The cut-off date for determining the eligibility to vote by electronic means is September 12, 2020. A person, whose name appears in Register of Members/Beneficial owners as on the cut-off date only, shall be entitled to avail the facility of remote e-voting or e-voting during the AGM.

v) Any person, who acquires shares of the Company and become member of the Company after sending of the notice through electronic means and holding shares as on the cut-off date i.e. September 12, 2020 may obtain the login ID and password by sending a request at evoting@nsdl.co.in or Company/RTA. However, if the person is already registered with NSDL for remote e-voting then he/she can use the existing user ID and password for casting vote.

vi) The Members are being provided with a facility to attend the AGM through VC/OAVM through the NSDL e-voting system. The instructions for attending the AGM through VC/OAVM are provided in the Notice of the AGM.

vii) The Members attending the AGM who have not cast their vote by remote e-voting shall be eligible to cast their vote through e-voting during the AGM. The Members who have voted through remote e-voting shall be eligible to attend the AGM, however, they shall not be eligible to vote at the meeting.

viii) The procedure for electronic voting is available in the Notice of the AGM as well in the e-mail sent to the Members by NSDL. The Members can also refer "e-voting user manual" available in the download section of the e-voting website of NSDL www.evoting.nsdl.com

ix) In case of queries, members may refer to the Frequently Asked Questions (FAQ) for the Members and e-voting user manual for the Members at the downloads section of www.evoting.nsdl.com or call on toll free No.: 1800-222-990 or send a request at e-mail ids: evoting@nsdl.co.in. In case of any grievance connected with facility for remote e-voting or e-voting, please contact Ms. Pallavi Mhatre, Manager, NSDL at the designated email ID: evoting@nsdl.co.in or pallavi@nsdl.co.in or telephone numbers: 022-24994545. The Members may also write to the Company at email ids: roynr@isgsec.com

Notice of Book Closure:

x) NOTICE is also given under Section 91 of the Act and Regulation 44 of the SEBI (LODR) that Register of Members and Share Transfer Books of the Company will remain closed from September 11, 2020 to September 18, 2020 (both days inclusive), for the purpose of AGM.

for Isgsec Heavy Engineering Limited
Sd/-
(S. K. Khorana)
Executive Director and Company Secretary

Place : Noida
Date : August 25, 2020

