6 TAKE TWO

India's next tryst with semiconductors

No significant global player has participated in the first round of the investment incentive scheme

SURAJEET DAS GUPTA New Delhi, 25 February

ast week, the government announced the names of four players who had shown interest in the first round of participation in the ambitious incentive scheme to set up fab and display fabrication plants in the country. But a closer inspection of the applications suggests that the excitement at this second attempt to make India a semiconductor hub may need to be tempered.

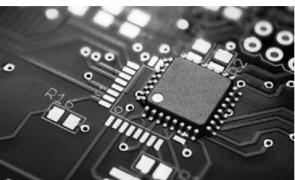
For one, the leading global semiconductor giants - TSMC, Samsung, Intel, GlobalFoundries, Micron or Infineon - were conspicuous by their absence. The Ministry of Electronics and Information Technology (MeitY) said talks to rope in some global bigwigs are on, as a result of which the deadline has been extended beyond February 15.

For another, among the four applicants were two lesserknown investment companies. One is Mumbai-based Next Orbit Ventures, whose founder Sanjay 180 Jalan claims he will rope in nanometers Indian companies, Navratna public sector units and technology partners to build a \$3-billion 45 nm 0.73 analog chip-making facility in 28 nm 1.14 the first phase, going up to \$15 billion when it sets up two more companies to undertake digital chips and memory chips.

Jalan says he has tied up with a technology partner but could Source: Semiconductor TAM analysis by Satya Gupta, former IESA chairman not divulge the name because of that has just a few weeks ago been bought by Intel.

but its founder Raj Kumar says a substantial \$15 billion. he won't talk before March.

major Vedanta announced that so? Otherwise, the new effort by three to four years, to reduce the ers can deliver the goods.



A FAB MARKET

(Total available market projections based on nodes for 2025)

Total market: **\$48 billion** Market for foundries within the total: \$8 billion

DOMESTIC CONSUMPTION **OF CHIPS, NODE-WISE** FOR FOUNDRIES

(EXCLUDES IDM) (consumption figures in \$ bn)

0.49 130 nm 0.33 65 nm 0.41 14 nm 0.73 Less 3.18

than 10 nm Others 0.98

technology partner is Israeli- manufacture 28-nanometre tie-up with a deep-pocketed based Tower Semiconductor chips. Foxconn will have a 40 domestic player to change the

IGSS Ventures, which says it is a Sharp for its foray into display invest in semiconductors. "one stop semiconductor hub" fab plant. The investment tag is

Among the other Indian latively promised to invest \$20.5 — it should have launched the as Gupta pointed out, no foundry companies is refining, manufac- billion. But the question is initiative when the chip shortage can do without exports - irreturing and retailing giant Rajesh whether they have the ability to was peaking. But the four big spective of the domestic market. Exports, which wants to go high raise funds, get the partners and chip makers -TSMC, Samsung, In the immediate future, howevtech with forays into electric the technology (most are still Intel and GlobalFoundries - er, the success of the renewed vehicles and display fab plants, memorandums of understand- have already announced invest- new tryst with fab plants will aluminium-to-energy ing) and the team in place to do ments of over \$400 billion over depend on whether the four play-

global chip shortage.

TSMC, for instance, is investing \$44 billion this year, which includes a new plant in Japan. Intel is putting in \$7 billion in Malaysia for a chip and packaging unit apart from setting up new plants in the US and Europe. And Samsung, which is a large player in India in consumer electronics and mobiles, has announced plans to invest \$200 billion in the next three years for new chip capacity.

The obvious question that is asked is whether the Indian market is big enough to justify fab foundry plants. Vedanta says it will focus on the 28-nanometre the government, which includes chips, which account for the providing incentives that match bulk of the Indian market. It will

Industry estimates put the size of the Indian market at \$24 Corporation had partnered with Satya Gupta, former India STMicroelectronics and SilTerra Electronics and Semiconductor while Jaypee roped in IBM and Association chairman, said, "Out Tower (formerly Tower Jazz). But of this only \$4 billion a year is both Indian companies failed to supplied by foundries and the even raise 10 per cent of the pro- rest is with integrated device posed equity, which was one of manufacturers (IDMs) such as the conditions for the incentives. Samsung and Intel. The market Now, analysts suggest that for foundry players will also douthe government can replicate the ble but growth of the sub-28successful model of getting nanometre chip will be faster."

He added that for foundries Apple Inc and its vendors to set up a base in India by lever- the 28 nanometre-plus market aging the Productivity Linked would go up from \$2 billion to Incentive scheme to make India around \$3 billion by 2025. But a manufacturing hub for them with the requirement for more as an alternative to China. It can state-of-the-art chips and high a non-disclosure agreement. it has tied up with Foxconn do so again in getting at least one margin sub-28-nanometre will According to MeiTY, the Technology in a joint venture to global player on its own or in a grow from only \$1 billion to over \$3.6 billion in the same period. The market could get bigger

per cent stake in the venture. game. It is worth noting that big if foundry players are able to woo Vedanta is also scouting for tech- groups such as the Tatas are fabless players like Qualcomm or The second player again is nology for LCD display units absent from the initial round Meditek to shift some contract little-known Singapore-based from LG, Japan Display and despite announcing plans to manufacturing capacity they use from Taiwan to India. And that It is possible, analysts sug- might need the government gest, that India might be a bit coming up with incentives for The four players have cumu- late in attracting the large players fabless players eventually. But,

▶ PART-15 Charaiveti: An academic's journey



should not bring Kalpana as his was a rather

was soon going to give up his lodgings, and with meat. One problem of being with this this was our last chance for free accommo- nice Algerian was that when we were seated dation in Paris. (He also warned that I outside, if a pretty woman was passing by, he'd immediately stand up and greet with a warm 'salut', which the women usually ignored and went forward. He'd then sit down and shake his head in awed appreciation of female beauty and say 'formidable', 'formidable'! Back in Cambridge, late summer afternoons had a particular ethereal beauty. The davlight would be there until quite late, the streets were relatively empty, soft sunlight bathing the houses and the trees where the birds were back and twittering; you saw an eccentric professor riding a unicycle, some boys walking wearily back from the day's cricket game, a young woman with braids swinging running late for her tryst, elderly people going into college chapels for evensong, distant voices from the students' acting of A Midsummer Night's Dream at the back of a college ... Cambridge was a great place to see theater performances by students. Apart from plays done at the college backs, we occasionally went to the Cambridge Arts Theater (founded by Keynes in 1936), say, for some performances I was attracted by of Chekhov plays. I always what is now known thought, as with detective as the 'Needham stories, the British have a par-Question': why has ticular flair for drama perthe West overtaken formance, and the standard China (and also of even young amateur the-India) in science ater is quite high. and technology?

Who is Anand Subramanian and why has he been arrested now?

CBI, which filed an FIR four years ago, is under pressure to crack down on the case involving lapses at NSE

SAMIE MODAK

Mumbai, 25 February

night arrested

His role at NSE

advisor. Prior to joining NSE, he the exchange. He worked at an arm of Balmer made several visits Lawrie as vice president. He was overseas, travelling re-designated as GOO and advi- first class. Also, his sor to MD and CEO Chitra visa application Ramkrishna from April 1, 2015, mentioned him as till October 21, 2016. He was a associated with the exchange as employee, despite a consultant.

Disproportionate salary

seniors at NSE.

Chitra's aide

way of remote e-voting.

Resolution

Special Resolution

Item No.

2

Subramanian was close to NSE's the exchange. In October 2016, a forensic investigation, con-Ramkrishna matter, the CBI too, then boss Ramkrishna. He was Subramanian was ousted from ducted by Ernst & Young had taken little action after filing consistently rated as top the exchange. In December 2016, (EY), to look into the issue of the FIR nearly four years ago.

is alleged that his office was next arately. During these probes, the information with an outsider. to Ramkrishna and also both NSE board came to know that The CBI started questioning Subramanian joined NSE on stayed on the same floor in a res- Ramkrishna was sharing confi- Ramkrishna, Subramanian April 1, 2013, as chief strategic idential apartment provided by dential information about the and various others over the confirmed him being a consultant. The initial package offered to **Whistle-blower complaint** it was her spiritual guru who of OPG Securities, a broking out-

performer without any docu- Ramkrishna also stepped down than Subramanian. mentary evidence of his per- as MD and CEO. Around the formance evaluation. His pro- same time. Sebi had also The Central Bureau of motion and salaries were not received whistle-blower com- On February 11, 2022, the market Investigation (CBI) on Thursday tabled before the exchange's plaints against NSE's colocation Anand Nomination and Remuneration (colo) facility. The complaint said Subramanian, the National Stock Committee (NRC) as required that the exchange was granting Ramkrishna alleging misgover-Exchange's (NSE) former group under the provisions of the unfair access to certain brokers nance. The order created a operating officer (GOO) and advi- Companies Act. Nor was he clas- and alleged a scam worth storm as it alleged that sor to the managing director. sified as a key managerial per- thousands of crores of rupees. Ramkrishna, during her stint at Here is an explainer on who he sonnel (KMP) although several The regulator had also begun a the country's largest bourse, was is and why he has been held now: heads at NSE reported to him. It probe into these allegations sep- constantly sharing confidential

unknown



Himalayan yogi

Subramanian by NSE was ₹1.68 In December 2015, Sebireceived didn't have a physical persona fit alleged to have got unfair crore, which included variable a whistle-blower complaint and could materialise at access to NSE's colo facilities. pay of ₹42 lakh. This, despite his alleging governance issues in will. Between 2014 and 2016, The FIR also named unknown salary at the previous employer Subramanian's appointment. Ramkrishna discussed internal officials of the NSE for their role being only ₹15 lakh per annum. The market regulator then confidential information of NSE in the colo controversy. Market By April 2016, Subramanian's sought an explanation from the such as the organisational struc-observers say the arrest by the compensation had increased to exchange on various points ture, dividend scenario, financial CBI was made after the central ₹4.21 crore — higher than most raised in the complaints. The results, human resources policy agency came under pressure to exchange, which was then head- and related issues, and response crack down on the case. While ed by Ramkrishna, was evasive. to the regulator with this pur-Sebi has been criticised for delay Sebi sent several reminders to ported guru. Later, NSE ordered in passing the order in the

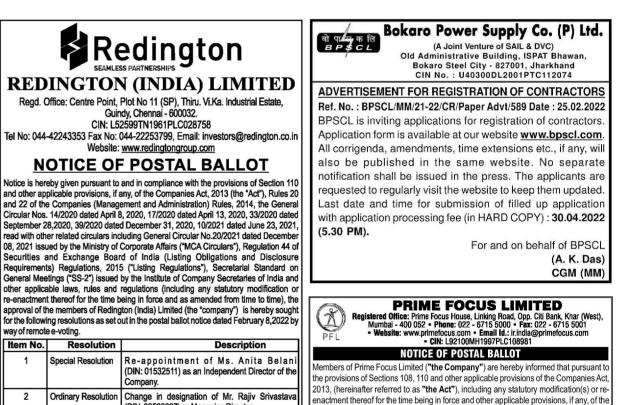
information sharing with an unknown person. The EY report, submitted in 2018, concluded that the guru was none other

Arrest follows questioning

regulator issued an order against former NSE MD and CEO exchange with an issues raised in the order. Subramanian's arrest follows

person, with the days of questioning by the CBL email ID rigyajur-Four-year old FIR sama@outlook.com.

The latest questioning was done on the basis of a first information When the NSE board report (FIR) filed by the CBI on grilled Ramkrishna May 28, 2018, in the colo matter. about this unknown The four-year old FIR was filed person, she told them primarily against Sanjay Gupta



what is given globally (30-50 per also concentrate on fulfilling the cent of the project cost), could go needs of the domestic market. the way of earlier efforts to create fab facilities in the country. For instance, in 2014 the gov- billion a year, and it is expected ernment had offered attractive to double by 2025. But for the incentives and the two players three applicants who plan to set selected had tied up with up a foundry plant (they are conbig names. So, Hindustan tract manufacturers like TSMC) Semiconductor Manufacturing the market is much smaller. Says

My Presidency College friend Premen was always a voracious reader, particularly of political, social and military history. He often told me of new books in those areas and sometimes persuaded me to read them. But by the time I saw him again in Cambridge, I could see his slow turn from his fascination with Trotsky to Mao. This was in line with a general movement among the young in the European left around that time. Jean-Luc Godard's 1967 film La Chinoise captured the restless energy of politically activist students in contemporary France, foreshadowing the student rebellions in a year or so.

A Chinese student in Premen's hostel provided him with copies of official publications from Beijing, which Premen read with interest, but I saw mainly propaganda in them. He and I used to go to China-centric evening talks, say, by Joan Robinson (praising the new anti-bureaucratic directions for the world's left being shown by the Cultural Revolution) or by Joseph Needham (on the great strides in Chinese history in science and technology). Premen directed me to Needham's multivolume magnum opus Science and *Civilization in China*, but I could manage only a partial skimming. I was, however, attracted by what is now known as the 'Needham Question': why has the West overtaken China (and also India) in science and technology, despite their earlier successes? By now there have been several attempts to answer this question by historians and economists, but none of which I have found fully satisfactory.

Through Premen I met one of his friends, a cheerful bohemian fellow from Bombay whom everyone called by his last name. Hamied (many years later I found out that he belonged to the business family that started the pharmaceutical company Cipla). He usually spoke to us in a charming mixture of English and Urdu. He was not doing well as a student in Cambridge. One day Premen unexpectedly got a letter from him from Paris, saying that he had decided to seek his fortune in France, and asked him and me to pay him a visit. After a few

Spartan single-room bachelor's pad not at all suitable for women).

For Premen and me, both poor students who had never been to Paris before, this was some opportunity, so we decided to take him up on his offer. At the last minute something happened so that Premen had to cancel his visit: so I ended up alone at Hamied's place, which turned out to be even more Spartan than I anticipated. The common toilet was a couple of floors below in a huge ramshackle building. Hamied also told me that in many such buildings in the area there was no arrangement for taking a bath: most people go once in several weeks to the public ('Turkish') baths some distance away. I had a clue then to the origin of the French perfume industry. (Later I read stories about how stinking even the Royal Court at Versailles under Louis XIV was). Some even say that Europe slowly learned proper bathing from its colonies.

I also realised that Hamied was soon

going to give up this accommodation mainly because he was running out of money and was desperately looking for a job, but one difficulty was that he did not speak French, and hardly understood it. He told me a story that the previous week he saw a sign in a store saying 'vacances', which he took to

mean 'vacancies'. So he entered the store and asked in English for job openings. It so happened that the man in that small travel agency did not understand English at all and proceeded to show Hamied brochures for beautiful places for taking a vacation. Hamied at the beginning thought those were the places where the vacancies were and got excited. Soon both realised what the problem was, and the man got furious for his wasted time. Hamied told me he did not understand what the man was saying but his firm guess was that he was being cursed at. As a hot-blooded man Hamied had to curse back, but he realised that if he cursed in English the man would not understand, while he himself would remain dissatisfied. As his command over Urdu curse words was much better than English ones. so he hurled some choicest Urdu epithets

at the man and came out of the store. Next few days while Hamied went on job search, I by myself went to the usual museums and tourist spots in Paris, and in the evenings I would meet up with Hamied and an Algerian friend of his at a café, and weeks another letter informed us that he then go to an Algerian place for couscous first published in the blog3 Quarks Daily

The building where this

lunch, walking through the King's College grounds. Sometimes I'd see there the stooped figure of E M Forster from that College, already in his mid-eighties, seated at a table surrounded by admiring students. I did not go talk to him but looking at him from my lunch table I used to remember the first piece of his I had read in college, long before reading his Passage to India or Howards End. This was an essay where the famous lines are:

my country."

In the world today of rampant rabid nationalism, I often remember words like these of Forster (and Tagore).

The author is Professor of Graduate School at University of California, Berkeley, The article was

	(DIN: 03568897) as Managing Director
3	Change in designation of Mr. Raj Shankar (DIN: 00238790) as Vice Chairman and Non-Executive Director
4	Re-appointment of Mr. Srinivasan Venkata Krishnan (DIN: 07518349) as Whole Time Director.

In compliance with the MCA Circulars and other applicable provisions, the Postal Ballo Notice along with instructions for remote e-voting and the explanatory statements to the esolutions has been sent in the electronic mode to all the Members whose e-mai addresses are registered with the Company / their Depository Participants as on Friday February 18, 2022 (the "Cut-off Date").

The electronic dispatch of the Postal Ballot Notice has been completed on Eriday February 25, 2022.

Members may please note that the Postal Ballot Notice will also be available on the Company's website at https://redingtongroup.com, websites of the Stock Exchanges i.e BSE Limited and National Stock Exchange of India Limited at www.bseindia.com and www.nseindia.com respectively, and on the website of National Securities Deposito Limited at https://nsdl.co.in/.

Pursuant to Sections 108, 110 and other applicable provisions of the Act and the Rule made thereunder, the MCA Circulars and Regulation 44 of the Listing Regulations read with circular of SEBI on e-Voting Facility provided by Listed Entities, dated December 9 2020, Secretarial Standards - 2 by Institute of Company Secretaries of India and any amendments thereto, the Company is pleased to offer e-voting facility to all the members to enable them to cast their vote(s) electronically for which the company has engaged the services of National Securities Depository Limited (NSDL) as the agency to provide e-voting facility. The members may please not the following:

Cut-off Date	February 18, 2022
Commencement of remote e-voting	February 26, 2022
End of remote e-voting	March 27, 2022

During the aforesaid period, the Members holding shares either in physical or in dematerialized form, as on the Cut-off Date, may cast their vote(s) by remote e-voting. The Members are requested to note that the facility of remote e-voting shall be blocked forthwith at 05:00 pm on Sunday, March 27, 2022. Once the vote(s) is/are cast, the Members will not be allowed to modify it subsequently. A person who is not a Member o the Company as on the Cut-off Date should treat this Postal Ballot Notice for information purpose only

Members who have not registered their e-mail address are requested to register the same in respect of shares held in electronic form with the Depository through their Depositor Participant(s) or by writing to the Company's Registrar and Share Transfer Agent Cameo Corporate Services Limited at, Subramanian Building, 5[®] Floor, No.1, Club House Cameo Control 1000 Control and State Sta Road. Chennai-600 002. Contact no: 044 28460390. Email Id: investor@cameoindia, the shares are held in physical form. After successful registration of the e-mail address, a copy of this Postal Ballot Notice along with the remote e-voting user ID and password will be sent to your registered e-mail address, upon request received from the Members.

The Board of Directors of the Company, at their meeting held on February 8, 2022 appointed M/s.R.Bhuvana & Associates, Practicing Company Secretaries, as the Scrutinizer for conducting the postal ballot through the e-voting process in a fair and isparent manner.

The Scrutinizer will submit their report to the Chairman or any other representative of the Company as authorized by the Board of Directors, after completion of scrutiny of e-voting votes but not later than two days from the date of conclusion of the Postal Ballot proces Votes but not later than two days from the date of conclusion of the Postal Bailor process and communicated to BSE Limited ("BSE"), National Stock Exchange of India Limited ("NSE"), National Securities Depository Limited ("NSDL") and Central Depository Services (India) Limited ("CDSL") (together the "Depositories"), and will also be displayed on the Company's website https://redingtongroup.com.

In case of any queries, you may refer the Frequently Asked Questions (FAQs) fo Shareholders and e-Voting user manual for Shareholders available at the download section of www.evoting.nsdl.com or call on toll free no.: 1800 1020 990 /1800 224 430 or send a request at evoting@nsdl.co.in.

The above notice is being issued for the information and benefit of members of the Company in compliance with the applicable circulars of MCA and SEBI.

For Redington (India) Limited
M. Muthukumarasamy
Company Secretary

Act and Rules 20 and 22 of the Companies (Management and Administration) Rules, 2014 (the "Rules") as amended from time to time, read with General Circular No. 14/2020 dated April 8, 2020; General Circular No. 17/2020 dated April 13, 2020; General Circular No. 22/2020 dated June 15, 2020; General Circular No. 33/2020 dated September 28, 2020 General Circular No. 39/2020 dated December 31, 2020; General Circular No. 10/202 dated June 23, 2021 and General Circular No. 20/2021 dated December 08, 2021 (the "Relevant Circulars") issued by Ministry of Corporate Affairs, Regulation 44 of Securitie and Exchange Board of India (Listing Obligations and Disclosure Requirements Regulations, 2015 ('SEBI Listing Regulations') and Secretarial Standard - 2 issued b the Institute of Company Secretaries of India and other applicable laws and regulations any, including any statutory modification(s) or re-enactment(s) thereto for the time being i force, the Company has completed dispatch of Postal Ballot Notice dated February 14 2022 along with the explanatory statement on February 25, 2022 only through electron mode to all those members of the Company whose email addresses are registered with the Company's Registrar and Share Transfer Agent i.e. Linkintime India Private Limited or with the Depositories/Depository Participant as on Thursday, February 17, 2022 ("Cut-of Date"). The requirement of sending physical copy of the Postal Ballot Notice, Postal Ballo Forms and pre-paid business reply envelopes has been dispensed with, vide relevant MCA circulars. Mr. Mehul Raval, Practicing Company Secretary (Membership No.: ACS 18300, CP No.: 24170), has been appointed as the Scrutinizer for conducting the Posta Ballot through remote e-voting process only in a fair and transparent manner.

n this regards, the members are informed that:

- The special business as set out in the Postal Ballot Notice is to be transacted through Postal Ballot by voting through electronic means only ("remote e-voting") throug remote e-voting platform provided by Central Depository Services (India) Limited ("CDSL").
- The remote e-voting period shall commence on Saturday, February 26, 2022 (9:00 a.m. IST) and end on Sunday, March 27, 2022 (5:00 p.m. IST). Members may cast the vote electronically during the aforesaid period. The remote e-voting module shall be disabled at 5:00 p.m. on Sunday, March 27. 2022 and remote e-voting shall not be allowed beyond the same.
- Only those members, whose names appeared in the Register of Members of the Company/ List of Beneficial Owners maintained by the Depositories as on the cut-of date i.e. Thursday, February 17, 2022, are eligible to cast their votes on the Specia Resolutions set out in the Notice through remote e-voting only. A person who is not a member as on the cut-off date should treat the Notice for information purpose only.
- Members who have not received Postal Ballot Notice may write to rnt.helpdesk@linkintime.co.in/ ir.india@primefocus.com and obtain the same.
- For any query or grievances connected with the facility for voting by electronic mean may be addressed to Mr. Rakesh Dalvi, Sr. Manager, (CDSL,) Central Depositor Services (India) Limited, A Wing, 25th Floor, Marathon Futurex, Mafatlal Mil Compounds, N M Joshi Marg, Lower Parel (East), Mumbai - 400013 or send an ema to helpdesk.evoting@cdslindia.com or call on 022-23058542/43.

Postal Ballot Notice is available on the Company's website www.primefocus.com, website of Stock Exchanges i.e. BSE Limited and the National Stock Exchange of India Limited a www.bseindia.com and www.nseindia.com respectively and also on the website of CDSI at www.evotingindia.com.

Members who have not registered their email address are requested to register the sam in the following manner:

. For Physical shareholders- please provide necessary details like Folio No.. Name of shareholder, scanned copy of the share certificate (front and back), PAN (self-attested scanned copy of PAN card), AADHAR (self-attested scanned copy of Aadhar Card) by email to ir.india@primefocus.com/rnt.helpdesk@linkintime.co.in.

For Demat shareholders - Please update your email id & mobile no. with your respective Depository Participant (DP)

For Individual Demat shareholders - Please update your email id & mobile no, with you respective Depository Participant (DP) which is mandatory while e-Voting & joining virtual meetings through Depository.

he resolution, if approved, shall be deemed to have been passed on the last date o voting i.e. Sunday, March 27, 2022. Result of Postal Ballot shall be declared on or before Tuesday, March 29, 2022 and shall be displayed along with the Scrutinizer's Report on the website of the Company www.primefocus.com and communicated to BSE Limited lational Stock Exchange of India Limited and Central Depository Services (India) Limited

lace : Mumbai

Date : February 25, 2022

For Prime Focus Limited Parina Shal **Company Secretary & Compliance Office** ACS 18061

Arts Theater was had a can-

teen at the rooftop, where I'd often go for

"I do not believe in Belief Tolerance, good temper and sympathy are no longer enough in a world which is rent by religious and racial persecution, in a world where ignorance rules... if I had to choose between betraving my country and betraving my friend I hope I should have the guts to betray



February 26, 2022

To, The National Stock Exchange of India Limited Listing Department, Exchange Plaza, Bandra Kurla Complex Bandra East, Mumbai - 400 051 Fax Nos.: 26598237 / 26598238

To, BSE Limited Listing Department, Phiroze Jeejebhoy Towers, Dalal Street, Mumbai - 400 001 Fax Nos.:22723121/2037/2039

Ref.: <u>Scrip Code: BSE - 532748/NSE - PFOCUS</u> Sub: Intimation under Regulation 20 and 47

Sub: Intimation under Regulation 30 and 47 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015-Newspaper Advertisement of Notice of Postal Ballot

Dear Sir(s),

Pursuant to Regulation 30 and 47 SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, please note that the Notice of Postal Ballot was published in Newspapers viz **"Business Standard" (in English) and "Pudhari" (in Marathi) on February 26, 2022** informing about the completion of dispatch of Postal ballot Notice on February 25, 2022, through electronic mode only to the Members of the Company.

Further, we enclose herewith the copies of newspaper advertisement regarding the Notice of Postal Ballot for your records.

Kindly take the same on record and acknowledge the receipt.

Thanking you.

Yours Faithfully,

For Prime Focus Limited

Shat

Parina Shah Company Secretary & Compliance Officer

Mumbai

Encl.: a/a