

AERO INDIA 2021

# HAL puts on show lethal new warfighting system

ANU SHUKLA  
Yelahanka, Bengaluru, 4 February

Departing from the public sector tradition of unimaginative and shabby exhibition displays, Hindustan Aeronautics Ltd (HAL) is enthralling the attendees of Aero India 2021 with a glitzy, laser-lit, full-scale mock-up that shows how the Indian Air Force (IAF) will fight the wars of the future.

The highlight of HAL's display is the Combat Air Teaming System (CATS), a combination of manned and unmanned systems that will operate in wartime in tandem, reinforcing each other's strengths and compensating for the other's vulnerabilities.

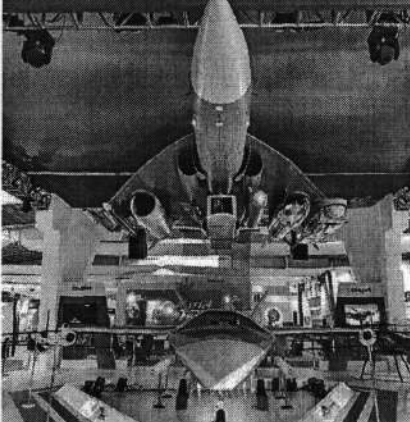
This new concept moves on from the current practice of groups of manned fighter aircraft entering enemy airspace and, with each one essentially fighting as an isolated platform, shooting down enemy fighter aircraft and bombing ground targets.

CATS does not send pilots into enemy airspace, where they risk being shot down, captured and held hostage, thereby taking a purely military operation into the political realm. Instead, it envisions manned aircraft functioning as airborne controllers of lethal, unmanned vehicles that swarm in numbers into enemy airspace and overwhelm their defences.

The concept, which has multiple components, was presented by HAL to the IAF at the end of 2019. It interested the air marshals enough for them to request an oversight role in the project, with the first step being the development of a "proof of concept", or an initial working prototype.

While the IAF may offer to fund the project at a later stage, for now HAL is funding it with its internal resources.

The heart of the entire system is a "mother ship" called the CATS-MAX, based on a fighter like the Tejas LCA (light combat aircraft), which flies at altitudes as high as 45,000 feet, remaining inside our own airspace.



Rotary wing UAV

ALSO ON DISPLAY at the HAL booth is its new concept vehicle: a rotary wing, helicopter-type UAV that the army is interested in for delivering stores to high-altitude picnics at over 15,000 feet.

done by mules, or porters, or by air dropping, in which much of the payload is wasted since it misses the dropping zone. This is basically an airborne mule," explains a HAL designer. The design has already been completed and is set to be tested in the near future.

From the CATS-MAX, a single pilot, or dual, controls operations, scanning the skies for enemy aircraft or ground targets, depending upon the mission. The strike power of the system comes from four or more separate unmanned combat air vehicles (UCAVs) called the CATS Warriors. Taking off and flying autonomously at altitudes of 36,000-40,000 feet, these are basically "loyal wingmen" that are armed with a variety of

weapons and sensors depending upon the mission.

The CATS-MAX could direct them, through a secure data link, to strike ground targets up to 350 km inside enemy territory, retaining the range to fly back to similar distance. Alternatively, the unmanned craft could be sent on a suicide mission 900-1,000 km deep, sacrificing themselves for the sake of range.

"The cost of each Warrior would be about 140 crore, which could be written off depending upon the importance of the mission," said HAL's design chief, Arup Chatterjee.

The Warrior prototype on display is a sleek vehicle, about the size of a Maruti 800 car. It is built with stealth design and Chatterjee is confident its low "radar cross section" would ensure it is not detected — or detected too late — by enemy radar.

The Warrior will be powered by an upgraded version of the engine that HAL has already developed — the PTAB-7 jet that is used to power the Lakshya target vehicle.

The third component of the system is the CATS Hunter, which is basically a smaller Warrior and does most of the functions of a Warrior but is carried on the mother ship's wings. Once the mother ship reaches its launch point, the Hunters are released and they fly out to distances of 200-300 km and execute their mission.

The fourth component is CATS ALFA, or Air Launched Flexible Assets. These are small drones that are carried on a glide pod and launched 200-300 km from the target. After gliding a long range, the glide pod dispenses a number of drones, which assume a swarm formation for a swarming attack on the eventual target.

The concept also visualises a CATS INFINITY high altitude, pseudo-satellite that can be launched as a control vehicle and stay in orbit for three months. It is powered by solar energy and has huge wings to accommodate the solar panels.

# Compatibility hit as services buy different kinds of radio

ANU SHUKLA  
Yelahanka, Bengaluru, 4 February

Despite the appointment of a chief of defence staff (CDS) to coordinate procurement and interoperability between the army, navy and Indian Air Force (IAF), all three services are buying different kinds of radio equipment, their next-generation communication systems, known as "software defined radio" (SDR).

As a result, there will be a loss of communications efficiency when, say, an army signaller communicates with an air force pilot, defeating the very purpose of upgrading radio equipment. Even worse, the enemy could find it easy to intercept communications because of lowered security protocols.

The IAF, which is ahead of the army and navy in buying futuristic SDR equipment, has chosen to equip its fighter aircraft, helicopters and ground stations with SDR developed by Israeli firm Rafael Advanced Defence Systems.

SDR is an entirely different kind of radio communication compared to current digital systems. The radio wave form is shaped by a secure software program that makes it difficult to hack and intercept. SDR allows for secure voice, data and video transmission and has been described flippantly as "a highly secure WhatsApp". In fact, it is far more complex and secure.

In 2017, the IAF signed a contract worth over \$300 million with Rafael for 500 SDR sets that the Israeli firm has named the B-Net system. The next year, Rafael began integrating SDR sets into the IAF aircraft and ground stations where they were intended to be deployed.

Each different type of aircraft, base, radar and guided weapon needed to be integrated separately and tested and certified fit for use. That process is almost complete, says EJI Hefets, Rafael's corporate regional director for India.

Meanwhile, the manufacture of the IAF's 500 SDR is to be carried out in Hyderabad in a joint venture (JV) company called Astra Rafael Comsys (ARC). Indian electronics firm Astra Microwave owns a 51 per cent stake in ARC, while Rafael owns the remaining 49 per cent.

Hefets says Rafael has already placed an order worth about \$30 million on ARC, and that the JV is contractually bound to supply the IAF with SDR sets that were more than 80 per cent indigenous.

Meanwhile, the army has decided to procure SDR through the "Make-3" category of the Defence Procurement Procedure. This requires interested companies to develop equipment at their own cost and offer it to the MoD, which then conducts trials and chooses what it likes.

It is understood that the kinds of transport aircraft, helicopters and ground stations with SDR developed by Israeli firm Rafael Advanced Defence Systems.

Hefets says the JV firm, ARC, intends to participate in the "Make 2" competition and so, the army could end up with interoperable B-Net SDR developed by Rafael. However, if some other vendor quotes lower, the army — the biggest user of portable, handheld radio — could end up with non-compatible equipment.

Meanwhile, the navy has decided to buy SDR from Bharat Electronics Ltd (BEL). Unlike aircraft, where space is critical, and unlike the army, where weight is crucial because many vessels have ample space and no weight constraints for their SDR equipment, BEL's SDR equipment is both bulky and heavy, but meets the navy's requirement, perhaps at a lesser cost.

**UCO BANK** VERAVAL

**AMRITDEEP BUILDING RAJ BHUVAN ROAD VERAVAL**

**POSSESSION NOTICE (For Immovable Property)**

[Appendix IV under the Act - Rule 8(1)]

Whereas the undersigned being the Authorized officer of the UCO Bank under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 (No. 54 of 2002) and in exercise of powers conferred under section 13(12) read with rule 8 of the Security Interest (Enforcement) Rules, 2002 issued a Demand Notice dated 14.11.2020 calling upon the borrower Shri Ramesh Mahesh Mahesh Mahesh and Mr Pradyuman Mahesh Mahesh to repay the amount mentioned in the notice being Rs. 1991288/- (in words rupees Nineteen Lakh Ninety Nine Thousand Two hundred Eighty Eight only) within 90 days from the date of receipt of the said notice.

The borrower having failed to repay the amount, notice is hereby given to the borrower and the public in general that the undersigned has taken possession of the property described here in below in exercise of powers conferred on him under sub-section (12) of section 13 of Act read with rule 8 of the Security Interest (Enforcement) Rules, 2002 on this 02nd day of February of the year 2021.

The borrower in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to the charge of the UCO Bank for an amount of Rs. 1991288/- and interest thereon.

The borrower's attention is invited to provisions of sub section(8) of section 13 of the Act, in respect of time available, to redeem the secured assets.

**DESCRIPTION OF IMMOVABLE PROPERTY**

All that part parcel of the property consisting of Residential Flat No situated at Second Floor, Kapharwar Apartment, constructed on land of CS block G, B no 80 of Veraval, Taluk Veraval, District OR Southemh administering about 94.12 square metres and bounded as under:

Bound: On the North by internal way, staircase On the South by public way, street road On the East by internal way that other's property On the West by public way then other's property

Date: 02/02/2021  
Place: VERAVAL  
Authorized Officer (UCO Bank)

**E-AUCTION SALE NOTICE**

**M/s KUNHABU VINYL PRIVATE LIMITED (IN LIQUIDATION)**

Block No. 12, Village Vijay Baska-04, Road, Hald, Gujarat-382550

**Liquidator: CA Vinod Tarachand Agrwal**

Liquidator Address: 254, West Street 1, Near Gujarat College, Elnahava, Ahmedabad, Gujarat-380005 Email: vinod@caagrawal.com Mobile No: 9477796724

**E-AUCTION**

Date of Auction: 19.02.2021 from 10.30 pm to 5.00 pm  
Time of Auction: 10.30 am to 04.00 pm (IST)  
Last Date for registering EMD: 18.02.2021

Sale of Assets and Properties owned by M/s KUNHABU VINYL PRIVATE LIMITED (IN LIQUIDATION) forming part of Liquidation Estate of M/s KUNHABU VINYL PRIVATE LIMITED (IN LIQUIDATION) in possession of the Liquidator, appointed by the Hon'ble National Company Law Tribunal, Ahmedabad vide order dated 24.09.2020. The sale of properties will be done by the undersigned through the e-auction platform <https://3bid.auctioneering.net/>.

Asset	Reserve Price	EMD	Incremental Value
Lot 1: A. Industrial land and Building located at Reg. Block No. 28, Village Vijay, Hald, Gujarat-382550 including Capital Work in Progress, B. Plant and Machinery	800	45	5
Lot 2: Office No. 12, 4th Floor, Kalupam Complex, C.O. Road, near Municipal Market, Navrangpura, Ahmedabad	70	4	1

**Terms and Conditions of the Auction are as under:**

1. E-Auction will be conducted on "AS IS WHERE IS", "AS IS WHAT IS" and "WHATEVER THERE IS" basis through approved service provider M/s E-Auctioneering Technologies Limited (Auctioneer).

2. The Complete E-Auction process document containing details of the Assets, online e-auction Bid Form, Declaration and Undertaking Form, General Terms and Conditions of online auction sale are available on website <https://3bid.auctioneering.net/>. Contact: Mr. Praveen Kumar Thapar at +91-9722774839/979 6911885/1541 800 e-mail: praveen.thapar@3bid.com, info@3bid.com, support@3bid.com, support@3bid.com or CA Vinod Agrwal at +91-996072640 E-mail: idr.ca.vinod@gmail.com

Date: 04.02.2021  
Place: Ahmedabad  
CA Vinod Tarachand Agrwal  
IBBI/PA-001UP-P0041/2019/10/1950

**SWARNSARITA GEMS LIMITED**

CIN: L59110MH1992PLC029293

Reg. No. 16, Plot-18, 1st-40/42, Raj Chambers, Dhruv Street, Zaveri Road, Mumbai, Maharashtra-400002. Tel: 022-40070419  
Email: info@swarnsarita.com Website: www.swarnsarita.com

NOTICE is hereby given that pursuant to Regulation 47 read with Regulation 35 of the SEBI (2002) Regulations, 2015 the Meeting of the Board of Directors of Swarnsarita Gems Limited will be held on Friday, 12<sup>th</sup> February, 2021 at 04:00 PM (IST) at Office No. 24, 2nd Floor, Harishan Bhawan, 3<sup>rd</sup> Dhruv Street, Zaveri Bazar Mumbai-400002, Maharashtra, India, to consider and take record the Unaudited Financial Results of the Company for the quarter ended December 31, 2020.

This notice is also available on Company's website [www.swarnsarita.com](http://www.swarnsarita.com) and also on BSE website [www.bseindia.com](http://www.bseindia.com)

By Order of the Board For Swarnsarita Gems Limited  
84/-  
Manoj Chitambar, Director  
Date: 04.02.2021  
Place: Mumbai  
DIN: 89171885

**LINK PHARMA CHEM LIMITED**

Regd. Off: 702, GIDD Estate, Nandasan - 391 340 Dist. Vadodra

Phone No: 022-24544111/24544122 Email: info@linkpharma.com

**NOTICE**

Notice is hereby given pursuant to Regulation 47 of the SEBI (Listing Obligations and Disclosure Requirements) Regulation, 2015 that a meeting of the Board of Directors of the Company will be held on Friday, 12<sup>th</sup> February, 2021 inter alia to consider and approve Unaudited Financial Results for the quarter ended December 31, 2020.

The information contained in this notice is also available on the website of the Company [www.linkpharma.com](http://www.linkpharma.com), and in the form of the information statement.

FOR LINK PHARMA CHEM LIMITED  
SATISH G THAKUR  
WHOLE - TIME DIRECTOR  
(DIN: 06222122)

Date: Vadodra  
Date: 04.02.2021

**ASPENPARK INFRA VADODRA PRIVATE LIMITED**

Survey No. 26, Village Pataliya, Taluka: Waghotda District: Vadodra- 391 700

**PUBLIC NOTICE**

Inviting Objections/ suggestions on Petition of AspenPark Infra Vadodra Private Limited for approval of Truing-up for FY 2019-20 & determination of revised Aggregate Revenue Requirement for FY 2021-22 and tariff for FY 2021-22 for its Distribution Business at Vadodra SEZ (Petition No.1934/2021)

- The Petitioner, AspenPark Infra Vadodra Private Limited (AspenP), has set up a Multi sector SEZ at Village Pataliya and Alwa, Taluka Waghotda District Vadodra in the State of Gujarat, under Section 3 of the SEZ Act, 2005 (28 of 2005).
- AspenP has filed its Petition for approval of truing up of FY 2019-20 and determination of revised Aggregate Revenue Requirement for FY 2021-22 and tariff for FY 2021-22 for its Distribution Business at Vadodra SEZ.
- The Hon'ble Commission vide its letter dated February 01, 2021 informed AspenP that the Petition has been registered. Further, by the said letter, the Hon'ble Commission directed AspenP to publish a Public Notice inviting comments of the stakeholders.
- Copies of the following document can be obtained on written request from the office of AspenPark Infra Vadodra Private Limited at Survey No. 26, Village Pataliya, Taluka: Waghotda District: Vadodra- 391 700. 1. Executive Summary of the Petition (in Gujarati or English) 2. Petition copy (in Gujarati or English) (on payment of the fee of Rs. 2).
- Comments/suggestions on the Petition may be sent to the Secretary, Gujarat Electricity Regulatory Commission, 6th Floor, GIFT ONE, Road, 5C, Zone 5, GIFT City, Gandhinagar - 382355, Gujarat. [Fax: 91-79-38202054/38202055, Email: gerc@gertc.org] on or before 17<sup>th</sup> March, 2021 along with proof of service to the Deputy General Manager, AspenPark Infra Vadodra Private Limited.
- Every person who intends to file objections and comments/suggestions should send the same in English or in Gujarati, in six copies, and should carry the full name, postal address and e-mail address, as if of the sender.
- The detailed Petition document and the Executive Summary are also available on AspenP's website [www.aspen.com](http://www.aspen.com).

Deputy General Manager  
AspenPark Infra Vadodra Private Limited

**Bank of Baroda**

**TENDER NOTICE**

Bank of Baroda, Head Office Baroda invites technical and price bids from General Insurance Companies to renew the following insurance policies for the period 01.04.2021 to 31.03.2022:

- 1) Bankers Indemnity Policy (Domestic).
- 2) Special Contingency Policy for Gold pledged with our Branches.
- 3) Group Personal Accident Insurance Policy for all Employees & Directors

Detailed tender documents are available in the Tenders section of Bank's website: [www.bankofbaroda.in](http://www.bankofbaroda.in)

Any Addendum/Corrigendum including modification in the tender documents shall be notified only on the Bank's website: [www.bankofbaroda.in](http://www.bankofbaroda.in)

Last dates for submission of Tenders is as under:

- 1) 26.02.2021 before 5.00 PM

Date: Baroda  
Date: 05.02.2021

Deputy General Manager (Operations & Services), Head Office, Baroda

**UCO BANK** VERAVAL

**AMRITDEEP BUILDING RAJ BHUVAN ROAD VERAVAL**

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[Appendix IV under the Act - Rule 8(1)]

Whereas the undersigned being the Authorized officer of the UCO Bank under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 (No. 54 of 2002) and in exercise of powers conferred under section 13(12) read with rule 8 of the Security Interest (Enforcement) Rules, 2002 issued a Demand Notice dated 14.11.2020 calling upon the borrower Shri Ravi Manush Mahesh and Mr Pradyuman Mahesh Mahesh to repay the amount mentioned in the notice being Rs. 2656337.89/- (in words rupees twenty fifty thousand three hundred thirty seven rupees and eighty nine paise only) within 90 days from the date of receipt of the said notice.

The borrower having failed to repay the amount, notice is hereby given to the borrower and the public in general that the undersigned has taken possession of the property described here in below in exercise of powers conferred on him under sub-section (12) of section 13 of Act read with rule 8 of the Security Interest (Enforcement) Rules, 2002 on this 02nd day of February of the year 2021.

The borrower in particular and the public in general is hereby cautioned not to deal with the property and any dealings with the property will be subject to the charge of the UCO Bank for an amount of Rs. 2656337.89/- and interest thereon.

The borrower's attention is invited to provisions of sub section(8) of section 13 of the Act, in respect of time available, to redeem the secured assets.

**DESCRIPTION OF IMMOVABLE PROPERTY**

All that part parcel of the property consisting of Residential Flat No situated at Second Floor, Kapharwar Apartment, constructed on land of CS block G, B no 80 of Veraval, Taluk Veraval, District OR Southemh administering about 94.12 square metres and bounded as under:

Bound: On the North by internal way, staircase On the South by public way, street road On the East by internal way that other's property On the West by public way then other's property

Date: 02/02/2021  
Place: VERAVAL  
Authorized Officer (UCO Bank)

**FORM A**

**PUBLIC ANNOUNCEMENT**

(Under Regulation 5 of the Insolvency and Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016)

**FOR THE ATTENTION OF THE CREDITORS OF SURYA EXIM LTD. IN CRIP**

**RELEVANT PARTICULARS:**

- Name of Corporate Debtor: Surya Exim Limited, 26/59/1999
- Authority under which corporate debtor is registered: Registrar of Companies, Ahmedabad under Companies Act, 1956. UST100G/1999/C2/243
- Corporate Identity No./ Limited Liability Identification No. of corporate debtor: 17/2R, Hajar, Akota, Jalapore Near Gujarat 398475 India. 02/30/2021
- Insolvency commencement date in respect of corporate debtor: 02/03/2021
- Estimated date of closure of insolvency resolution process: Not applicable
- Name and registration number of the insolvency professional acting as interim resolution professional: Sunil Kumar Katar BSR/MPA-01UP-P0119/2019/10/11682
- Address and e-mail of the interim resolution professional, as registered with the Board: 19/10, Meero Tower, Ring Road, Surat - 395002, Email: bsruc@rediffmail.com
- Address and e-mail to be used for correspondence with the interim resolution professional: 19/10, Meero Tower, Ring Road, Surat - 395002, Gujarat. Email: sunil.kumar@rediffmail.com
- Last date for submission of claims: Not applicable
- Classes of creditors, if any, under clause (b) of sub-section (8A) of section 21, enumerated by the interim resolution professional: Not applicable
- Names of Insolvency Professionals identified to act as Authorized Representative of creditors in a class (This requires fee for each class): Not applicable
- Whether Form and (a) VVQ form, (b) Bid form, (c) Request for Information available at: (a) VVQ form: <http://www.ibt.org.in/insolvency> at: 19-10, Meero Tower, Ring Road, Surat-395002. (b) Bid form: 19/10/12364, Available at: 19-10, Meero Tower, Ring Road, Surat-395002. (c) Request for Information: <http://www.ibt.org.in/insolvency>

Notice is hereby given that the National Company Law Tribunal (NCLT) has appointed the undersigned of the Corporate Insolvency Resolution Process of Surya Exim Limited on the 02<sup>nd</sup> day of February, 2021 under section 196 of the Insolvency and Bankruptcy Code, 2016. The undersigned is hereby authorized to act as the interim resolution professional of Surya Exim Limited, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Surya Exim Limited, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Surya Exim Limited, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Surya Exim Limited, as notified by the Board of Insolvency Professionals on 02/03/2021.

Date: 04.02.2021  
Place: Surat  
Name and Signature of Interim Resolution Professional

**FORM A**

**PUBLIC ANNOUNCEMENT**

(Under Regulation 5 of the Insolvency and Bankruptcy Board of India (Insolvency Resolution Process for Corporate Persons) Regulations, 2016)

**FOR THE ATTENTION OF THE CREDITORS OF MARKET GARDEN & SYSTEMS PVT LTD. IN RESOLVING PARTICULARS:**

- Name of corporate debtor: Market Garden & Systems Pvt Ltd
- Date of incorporation of corporate debtor: 09.04.2009
- Authority under which corporate debtor is incorporated/registered: Registrar of Companies, Ahmedabad, India, under the Companies Act, 1956. 101/99900/000000000000
- Corporate Identity No./ Limited Liability Identification No. of corporate debtor: 31/37/2011/1018 or 186 days from the date of order
- Estimated date of closure of insolvency resolution process: 31/37/2011/1018 or 186 days from the date of order
- Name and registration number of the insolvency professional acting as interim resolution professional: Name- Dhairi Kishorlal Shah Reg. No. BSR/MPA-01UP-P0095/2021-1-02/03/2021
- Address and e-mail of the interim resolution professional, as registered with the Board: Reg. Add - C/O. Sika & Co. Chartered Accountants, 302, Cate Park, R.C. Club Road, Ahmedabad, Gujarat-380007, India. Email: shah.dhairi@rediffmail.com
- Address and e-mail to be used for correspondence with the interim resolution professional: Reg. Add - C/O. Sika & Co. Chartered Accountants, 302, Cate Park, R.C. Club Road, Ahmedabad, Gujarat-380007, India. Email: shah.dhairi@rediffmail.com
- Last date for submission of claims: 18.02.2021
- Classes of creditors, if any, under clause (b) of sub-section (8A) of section 21, enumerated by the interim resolution professional: Not Applicable
- Names of Insolvency Professionals identified to act as Authorized Representative of creditors in a class (This requires fee for each class): Not Applicable
- Whether Form and (a) VVQ form, (b) Bid form, (c) Request for Information available at: (a) VVQ form: <http://www.ibt.org.in/insolvency> at: 19-10, Meero Tower, Ring Road, Surat-395002. (b) Bid form: 19/10/12364, Available at: 19-10, Meero Tower, Ring Road, Surat-395002. (c) Request for Information: <http://www.ibt.org.in/insolvency>

Notice is hereby given that the National Company Law Tribunal (NCLT) has appointed the undersigned of the Corporate Insolvency Resolution Process of Market Garden & Systems Pvt Ltd on the 02<sup>nd</sup> day of February, 2021 under section 196 of the Insolvency and Bankruptcy Code, 2016. The undersigned is hereby authorized to act as the interim resolution professional of Market Garden & Systems Pvt Ltd, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Market Garden & Systems Pvt Ltd, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Market Garden & Systems Pvt Ltd, as notified by the Board of Insolvency Professionals on 02/03/2021. The undersigned is hereby authorized to act as the interim resolution professional of Market Garden & Systems Pvt Ltd, as notified by the Board of Insolvency Professionals on 02/03/2021.

Date: 04.02.2021  
Place: Vadodra  
Deputy General Manager  
AspenPark Infra Vadodra Private Limited