HARA Bahara

1 BILLION TREES BY 2030

AN INITIATIVE OF SEEDCOPTER

GOVERNMENT OF TELANGANA

RICH

WHAT ARE WE SOLVING ?

Deforestation

Under 20% of the Earth's original forests have remained unaffected by human intervention

Biodiversity Loss

Wild mammals, birds, fish and reptile populations have declined by 60% in the last 50 years

Climatic change

To prevent the rise in catastrophic temperature and effect on rural livelihood.

Women and Rural employment

Enabling local communities in environment conservation and empowering them through employment

WHY TREES FROM THE SKY ?

To build a network of communities for afforestation activities

To bring awareness at grass-root level about the effects of deforestation

To involve influencers to raise their voicev about the climate change

Building a platform for corporates and organizations to contribute for the cause

CAMPAIGN OBJECTIVE

- **1 BILLION** trees to be planted by 2030 in India
- Impacting **900 FORESTS**
- Empowering communities in **1400 DISTRICTS** to take **ACTION AND CONTRIBUTE**

CAMPAIGN FORMAT

- Local communities will be engaged in seedballs production
- Seedcopter Drones will be used to drop the seedballs in the areas affected by deforestation
- Encourage corporates, governments, influencers and NGOs to contribute

- Making of seedballs
- Plantation drives
- Dialogue in the forest
- Forest Trek
- Community Cooking activities/Dine in the green
- Community/mini Biodiversity festivals
- Influencer meets/discussions
- Street theaters
- Publishing stories on the forest(local culture, association with the forest and forest diversity)

PROCESS OUTCOME & IMPACT

OUTPUT

- Surveillance on forest tree loss
- Rapid increase in area under aerial seeding of seed balls
- Survey on increase in tree population
- Women empowerment community participation in seed collection and making seed balls

IMPACT

- Creating employment for girls and women empowerment groups
- Sustained increase in forest area at lower cost, faster pace
- Forest regeneration in difficult to access areas
- Support plant growth monitoring to improve forest regeneration efficiency

CONTRIBUTING TO SDG'S

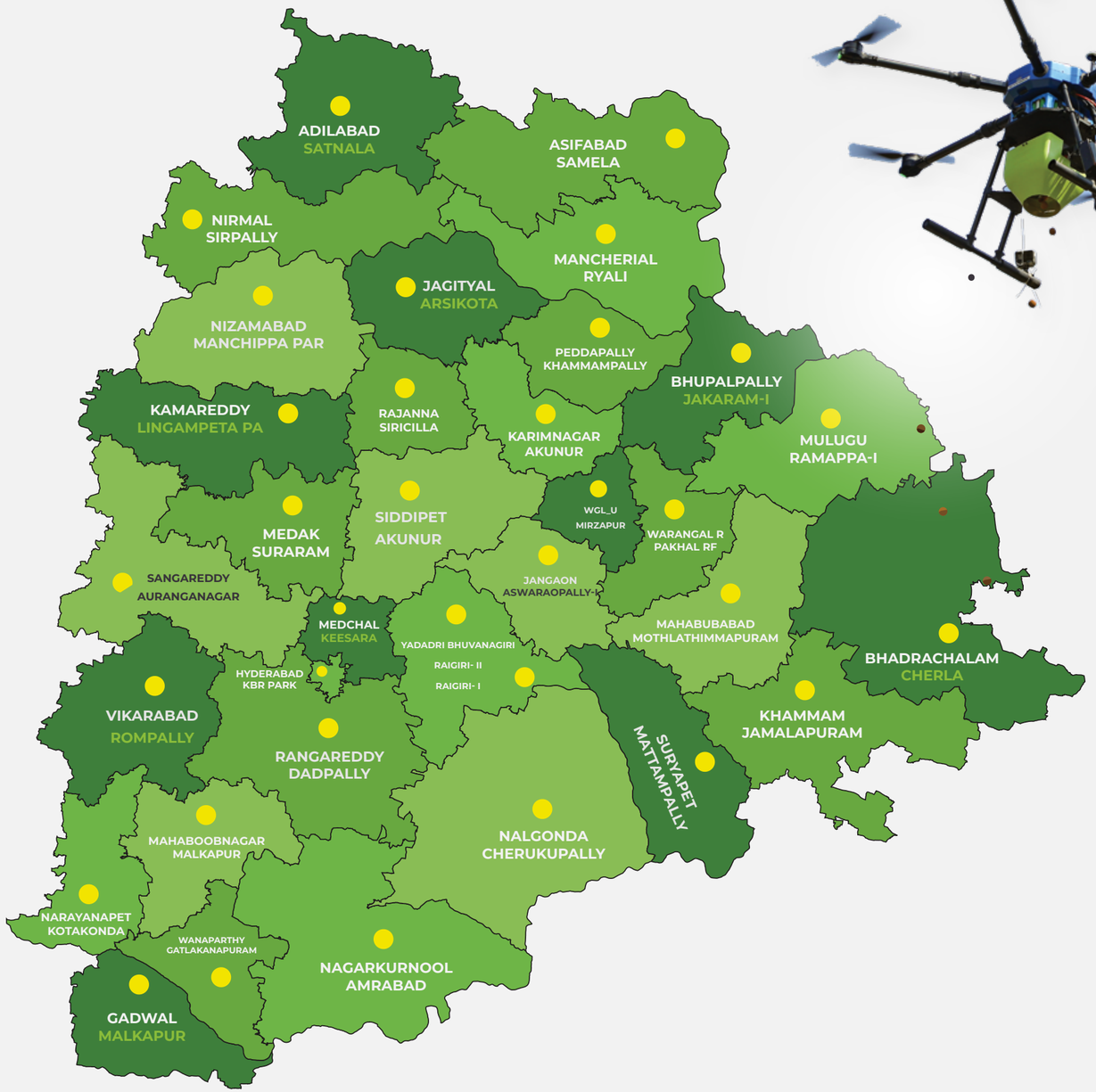
SUSTAINABLE DEVELOPMENT GOALS

WAY FORWARD IN 2021

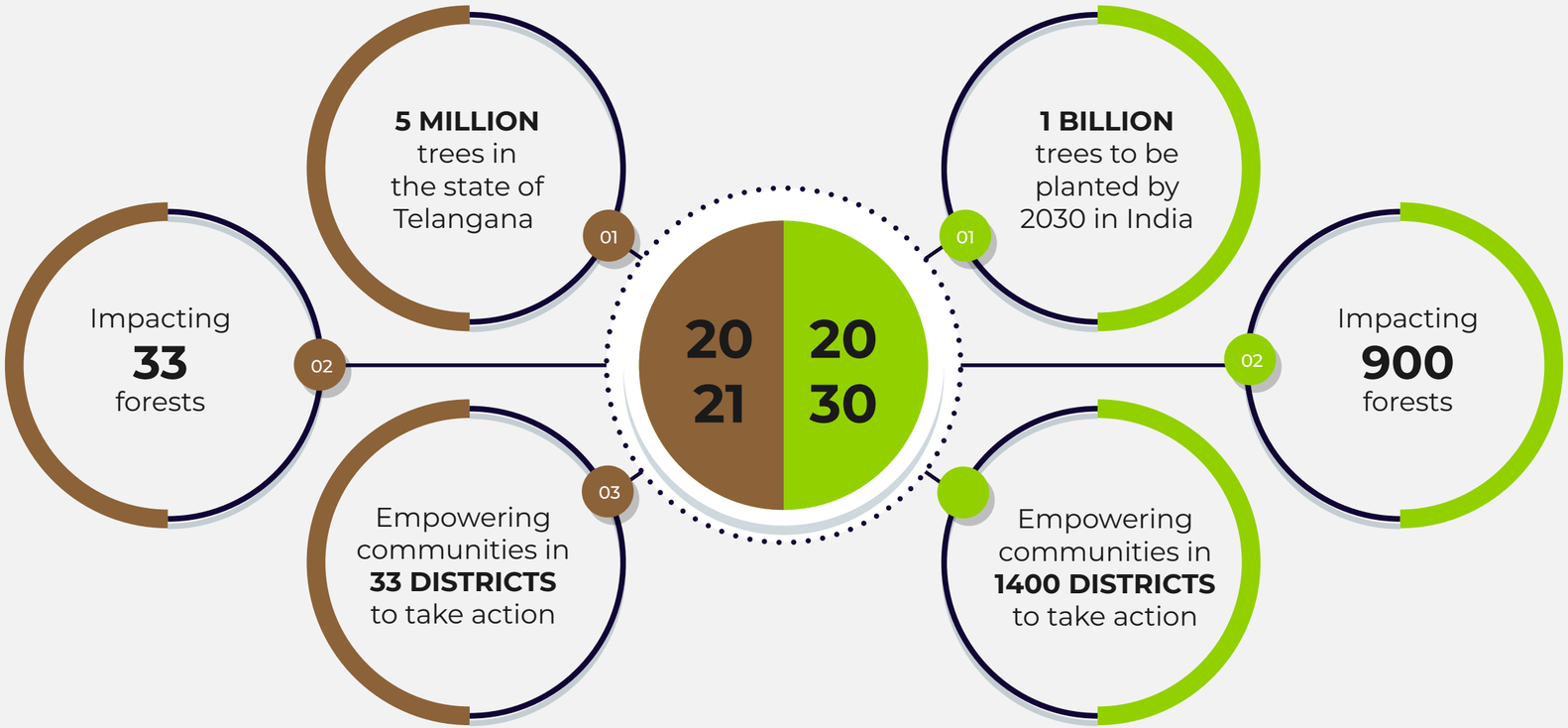
LAUNCH	DISTRICT LEVEL ACTION	EXPANSION TO OTHER STATES
Aug-sept	Sep-Oct	Nov-Dec

PLANTING 500K TREES

IN 33 DISTRICTS OF TELANGANA STATE IN 3 MONTHS



CAMPAIGN - TIMELINES



KEY AMBASSADOR

RANA DAGGUBATI

Actor and star of
“Aranya”

an Indian film actor, producer, visual effects co-ordinator, and photographer known for his works in Telugu, Tamil and Hindi cinema.

OTHER AMBASSADORS

JADAV PAYENG

Environmental activist
and Padma Shri awardee
from Assam

DARIPALLI RAMAIAH

Environmental activist
and Padma Shri awardee
from Telangana

More to join...

STAKEHOLDERS MAPPING

- Government of Telangana
- Forest Department of India
- Research and Innovation Circle of Hyderabad
- Relevant NGOs like United Way Hyderabad, WRI
- Industry bodies like HYSEA, SCSC, FICCI, CII & TiE Hyderabad
- Corporates like Unilever, ITC, Cyient, Deloitte
- Influencers
- Scientists and Environmental Activists

BUDGET

Seedball

Rs. **1**

Rs. **1**

Operations

seedballs per forest

2 Lakhs

4 Lakhs

Per forest

For 33 forest we need per year

1.32 crores

45 lakhs

Campaign execution team per year

Logistics and events/activities per year

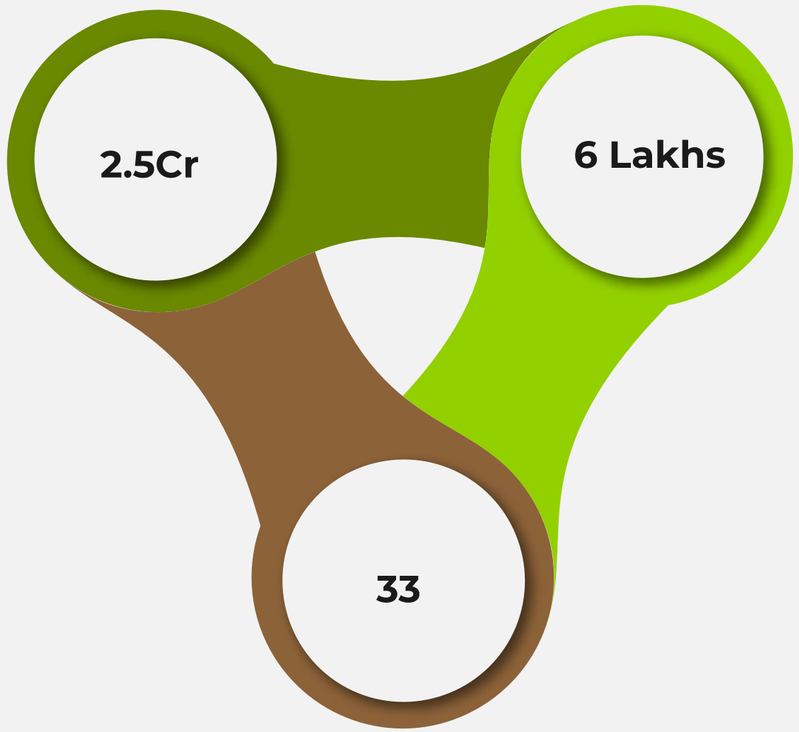
30 Lakhs

2.5 Crores

We need

PITCH

All the forests



Each forest

Corporates/donor we need for the campaign

WHAT WE NEED FROM YOU ?

- Featuring in the campaign videos
- Attending the launch event and other important events in perso
- Spreading the word through personal social media handles
- Help in fundraising
- Media bytes when needed
- Participating in key conventions like world economic forum
- Fundraising event with celebrities and corporates

THANK YOU!

SEEDCOPTER

www.seedcopter.com

ABOUT

SEEDCOPTER

ABOUT SEEDCOPTER

Incorporated in April 2019, by IIT Alumni and mentored by RICH & IIIT Hyderabad.

We use Data Science, Drones, Seedball Technology combined with Ecological Science to find optimal land restoration options

WHO WE ARE?

A commercially established company which operates in the Arena of UAV Aerial Seeding

OUR VISION

To realize the dream of Sustainable Reforestation and to create a reforestation ecosystem guided by Data (Science) and Community (Science and People)

OUR MISSION

Seedcopter is a pioneer in the field of aerial seeding for reforestation.

We work to conserve the present day forests through rapid reforestation of burnt, fragmented and degraded forest land

Slide Continues...

facebook India Innovation Accelerator

PURDUE UNIVERSITY

Forbes 30 UNDER30

RICH

NASSCOM

t-hub

NIDHI PRAYAS

ACTION FOR INDIA

THE SOLUTION

AERIAL SEEDING OF SEED BALLS - WITH THE HELP OF DRONES AND COMMUNITY EFFORT

01

Forest regeneration at a rapid pace

02

Easy to scale with multiple drones

03

Cost Effective and Generates Local Employment

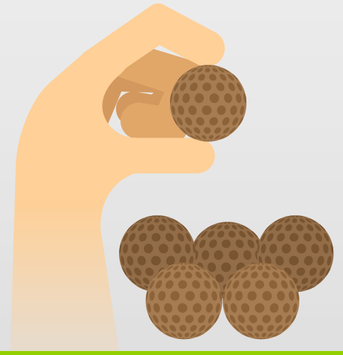
04

Diverse Forests involving native tree species

WOMEN EMPOWERMENT

METHODOLOGY

AREIAL SURVEY
AND MAPPING



COMMUNITY SEED
BALL ACTIVITY

AREIAL SEEDING
OF SEED BALLS

POST PLANTING MONITORING
AND DATA HUB CREATION

SEEDCOPTER

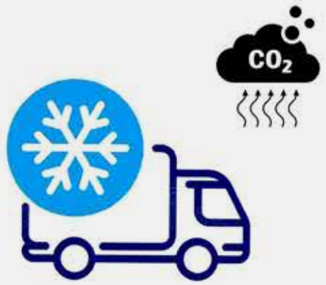
PLAN
Operation
AFFORESTATION
Capture change proactively
SCOUT
Seeding Target
MANAGE
Multiple platforms
MONITOR
Growth continuously

TRADITIONAL METHOD

Acquiring seeds

Sapling Nurcery

Transportation



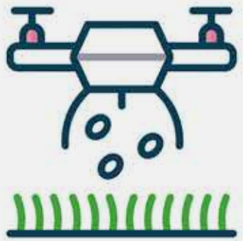
Planting

Using drone

Acquiring seeds

Seed ball production

Seed despersal



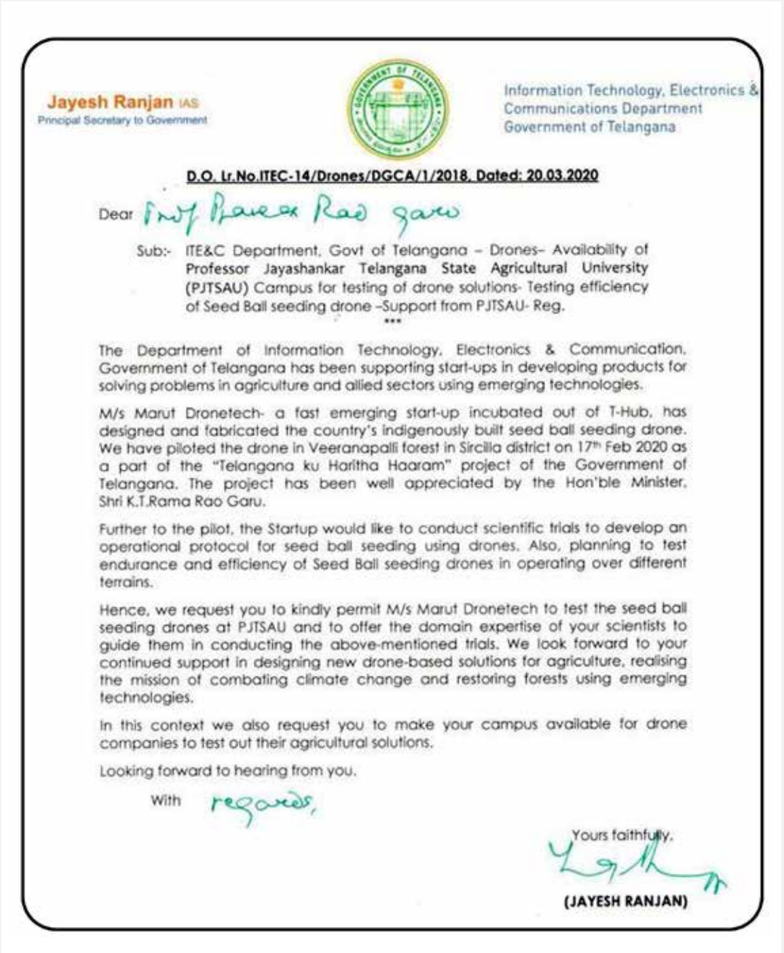
Monitoring

RESEARCH ONGOING

GOVT OF TELANGANA SUPPORT FOR AN ONGOING SCIENTIFIC RESEARCH

RESEARCH PARAMETERS

- Seedball preparation
- Improvising Drone technology for this use case
- Developing SoPs for Aerial seeding of Seedballs



Jayesh Ranjan IAS
Principal Secretary to Government

Information Technology, Electronics & Communications Department
Government of Telangana

D.O. Lr.No.ITEC-14/Drones/DGCA/1/2018, Dated: 20.03.2020

Dear Prof Prakash Rao garu

Sub:- ITE&C Department, Govt of Telangana – Drones– Availability of Professor Jayashankar Telangana State Agricultural University (PJTSAU) Campus for testing of drone solutions- Testing efficiency of Seed Ball seeding drone –Support from PJTSAU- Reg.

***

The Department of Information Technology, Electronics & Communication, Government of Telangana has been supporting start-ups in developing products for solving problems in agriculture and allied sectors using emerging technologies.

M/s Marut Dronetech- a fast emerging start-up incubated out of T-Hub, has designed and fabricated the country's indigenously built seed ball seeding drone. We have piloted the drone in Veeranapalli forest in Sircilla district on 17th Feb 2020 as a part of the "Telangana ku Haritha Haaram" project of the Government of Telangana. The project has been well appreciated by the Hon'ble Minister, Shri K.T.Rama Rao Garu.

Further to the pilot, the Startup would like to conduct scientific trials to develop an operational protocol for seed ball seeding using drones. Also, planning to test endurance and efficiency of Seed Ball seeding drones in operating over different terrains.

Hence, we request you to kindly permit M/s Marut Dronetech to test the seed ball seeding drones at PJTSAU and to offer the domain expertise of your scientists to guide them in conducting the above-mentioned trials. We look forward to your continued support in designing new drone-based solutions for agriculture, realising the mission of combating climate change and restoring forests using emerging technologies.

In this context we also request you to make your campus available for drone companies to test out their agricultural solutions.

Looking forward to hearing from you.

With regards,

Yours faithfully,

(JAYESH RANJAN)

CASE STUDY

LOCATION - VEERNAPALLY FOREST, TS

- 360 hectares , 60,000 seedballs, 8 hours
- Date- 17th February, ‘2020
- Parameters - Dry Deciduous Forest, Hilly Terrain
- Seeding through drones as a part of “ Haritha Haaram” at Veernapalli in Sircilla Constituency on our Chief Minister KCR’s Birthday

RICH

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY
HYDERABAD

T WORKS

CASE STUDY

उदयपुर फ्रंट पेज

वन-पर्यावरण मंत्रालय का पायलट प्रोजेक्ट • एक साल बाद देखेंगे इन बीजों की प्रगति, रिपोर्ट तय करेगी अगला कदम

सरवणी वेण पहाड़ी पर ड्रोन से गिराईं खेर-बहेड़ा के 10 हजार सीड बॉल, पौधे पनपे तो हजारों मीटर ऊंची पहाड़ियों पर भी लाएंगे हरियाली

उदयपुर को ही कृत्र · क्योंकि यहां अरावली शृंखला में 1500 मीटर से भी ऊंचे हैं मजरे

क्या हैं सीड बॉल

CASE STUDY-2

LOCATION

Salambur Forest Range, Udaipur
5 hectares, 10,000 seedballs

DATE -
12th August 2020

CASE STUDY-3

LOCATION

Amangal Reserve Forest, TS -
248 Hectares, 12,000 seedballs, 8 hours

DATE -
25th September, 2020

CASE STUDY-4

LOCATION

Seedballs Preparation, Mahbubnagar

DATE -
12th August 2020

AWARDS, RECOGNITIONS AND GRANTS

- “Emerging Technology Award “ for Drones and AI at the 6th Annual NASSCOM Technology Conference 2019
- Recognized under Forbes 30 under 30 Asia 2020

Forbes 30 UNDER 30 ASIA

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Pernod Ricard India

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY HYDERABAD

CIE ACCELERATING DEEP TECH

MEDIA COVERAGE

Eye in the sky: Telangana turns to drones for safeguarding forests

If all goes well, aerial vehicles will fly over State's forests to monitor smuggling & poaching
itor smuggling & poaching

AIHIK SUR @Hyderabad

FOR a while now, the Telangana Forest Department has been struggling with cases of poaching and teakwood smuggling. In order to combat these issues, the department is now looking towards drones that can scan forests. It is expected that the drones would identify and locate smugglers and hunters, who often taken opt for routes that are hard to trace.

A while back, the forest department got in touch with the Information Technology, Electronics and Communications (ITE&C) department to discuss the various issues it was facing. Apart from detecting smugglers and poachers, the department was looking for options that would help them with better implementation of the Haritha Haram plantation drive.

"As of now, officials manually disburse seedballs into the forest. With the help of drones, the seeds could be sprayed down to the location, superseding the need for manual labour," an official said.

The forest officials also want drones to identify various kinds of plant species through hyperspectral imaging sensor. However, this does not seem very likely to come to fruition, because as per sources, drone startups do not use that particular sensor.

Meanwhile, it is also learnt that there have been incidents where poachers lay metal traps to capture animals. Officials are also hoping that drones will detect such traps. Lastly, they also wanted the technology to help measure trees.

Based on these requirements, a meeting was recently held between the forest department officials, ITE&C, and various drone startups at the T-Hub.

Based on the presentations made during the meeting, officials are now formulating a pilot project to address the mentioned issues.

> As of now, officials manually disburse seedballs in the forest. With the help of drones, the seeds can be sprayed down from air, superseding the need for manual labour
>
> Forest offidal

DGCA guidelines a roadblock?

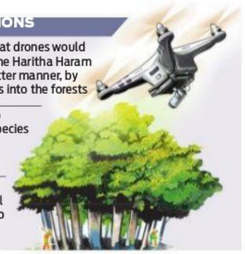
However, the Directorate General of Civil Aviation's (DGCA) guidelines regarding drones or unmanned aerial vehicles may prove to be tricky for the State government. For instance, the DGCA guidelines do not allow unmanned aerial vehicles to "discharge or drop substances", unless cleared by the authority. "We will be taking permission for the same," a senior official said. The other guideline which may pose as a hindrance is the Beyond Visual Line of Sight (BVLoS), which entails that drone pilots must maintain a direct visual line of sight at all times while flying — unless permission is taken separately.

GREAT EXPECTATIONS

Forest dept is hoping that drones would help them implement the Haritha Haram plantation drive in a better manner, by spraying down seedballs into the forests

Officials want drones to identify various plant species through hyperspectral imaging sensor

They also hope that drones will detect metal traps laid by poachers to capture animals



Bleeding edge: City-based firms propose deploying leading tech

EXPRESS NEWS SERVICE
@Hyderabad

SEVERAL drone startups, including a few based in Hyderabad, presented their solutions to the issues that the Forest Department has been facing.

At T-Hub, various startups including city-based Marut Drones and Thanos, Bengaluru-based Aarav Unmanned Systems, Telemetry and few others were invited. Based on their presentations, the State government is now formulating a pilot project.

The presentation made by Marut Drones, accessed by Express, shows that leading technologies will be deployed to solve issues such as detecting illegal activities including smuggling, poaching, etc. For instance, the images that drones capture will be processed to churn out outputs such as 3D model of the picture, contours, digital elevation model and so on.

Marut Drones also have the technology to survey forests during the night. Speaking to Express, Prem Kumar Vislawath, founder of Marut Drones, said, "Since we have done pilot projects in forest areas for West Bengal and Assam governments, we understand the problems the department here is facing."

Marut Drones was founded by an alumni team from IIT, Guwahati. They are registered in the T-Hub, and mentored by RICH and IIIT Hyderabad. They have also been selected for the Facebook India Innovate Accelerator.

THE INDIAN EXPRESS Sun, 15 September 2019
epaper.newindianexpress.com/c/43602428

Now, drones sow seeds as farming takes hi-tech way

TIMES NEWS NETWORK

Hyderabad: Tree plantation has gone hi-tech in Telangana with city-based startup Marut Drones pressing its drones into service for dropping seed balls in Veernapalli in Sircilla as part of the Telangana government's Haritha Haaram programme.

Explaining the process, Marut Drones co-founder Prem Kumar Vislawath said, drones are first used to survey and map the terrain that helps determine the number of trees to be grown based on various parameters like soil and climate, among others, following which seedballs are created by local communities and dropped by drones in the targeted areas.

On Monday, drones did seeding by releasing over 15,000 seed balls, consisting of Velaga, Gangaravi, Gummadi Teak, Seema Chinta, Raavi and Sitaphal seeds, from around 40 to 50 feet above the ground in Sircilla.

He pointed out that the advantage of using drones is that it can accomplish the task much faster and the path followed by the drones are geotagged, facilitating periodic monitoring of the sown area to collect tree statistics.

TECH T@LK

"The entire process cuts down on manpower, time, danger to the tree-planters and results in nearly 10-fold reduction in the cost of forest landscape reforestation," he said.

In fact, the box for releasing the seed balls was 3D-printed with the help of technology developed at T-Works, a state-run incubator for electronics startups.

Founded by a team of Indian Institute of Technology (IIT) Guwahati alumni, Marut Drones has been mentored by T-Works and RICH and was recently selected for Facebook's India Innovation Accelerator Programme.

With its drones being used for seeding, Marut Drones intends to make reforestation scalable through 'Drone Swarms' that can plant up to 1 lakh trees a day. The startup has also built India's first drone to eradicate mosquito larvae and water hyacinth and has tested its solutions in some of the lakes in and around the city.

Founded by a team of Indian Institute of Technology, Guwahati alumni, Marut Drones has been mentored by T-Works and RICH

Telangana Today

Sowing through drones, a unique gift to CM

STATE BUREAU
Hyderabad

Haritha Haram was celebrated in a novel way at Veernapalli village in Sircilla Assembly constituency, represented by Minister for IT and Municipal Administration KT Rama Rao, on Monday.

Marking the 66th birthday of Chief Minister K Chandrashekhar Rao and following a call given by Rama Rao to celebrate the occasion by planting saplings and sowing seeds, seeding was done through drones in the village.

Over 15,000 seeds were airdropped in Veernapalli. Marut Drones, a Hyderabad-based startup promoted by Prem Kumar Vislavath, was engaged for the purpose.

The box for releasing seed balls was 3D-printed with the technology developed by T-Works, a State government incubator for electronics startups. Activists of the TRS from Sircilla constituency coordinated the activity with

Over 15,000 seeds were airdropped in Veernapalli of Sircilla with the help of Marut Drones, a Hyderabad-based startup.

District Forest Officer Asha, Forest Range Officer Venugopal and others.

Former TESCOB chairman Konduru Ravinder Rao, MPP Malothu Bula, MPTC Santosh, ZPTC member Gugulothu Kalavathi, Veernapalli sarpanch Madugula Mallesham, local leaders Thota Agaiah, Gugulothu Suresh, Chand Pasha (ZP cooption member) took the lead.

After the Chief Minister's call that afforestation should be taken up in barren lands and around forest areas, the TRS activists from Sircilla sought to sow the seeds in open areas. TRS workers and students of a few schools in and around the village enthusiastically participated in the process of mixing seed with jeevamrutham (an organic fertilizer) and soil to make seed balls.

Prem Kumar said he had given them the specifications about the size of the seed balls for the drones to hold and drop them at designated places. Rama Rao appreciated the efforts.

Seeds of velaga, gangaravi, gummadi teak, seema chinta, raavi, and sitaphal were sown on Monday.

MEDIA COVERAGE

విత్తన బంతులు వెదజల్లే డ్రోన్లు

విత్తన బంతులను తీసుకెళ్లేందుకు సిద్ధంగా ఉన్న డ్రోన్

ఈనాడు డిజిటల్, సిరిసిల్ల: హరితహారంలో ఏటా ప్రభుత్వ శాఖలు లక్ష్యాలను నిర్దేశించుకుని మొక్కలు నాటి వాటి సంరక్షణను పకడ్బందీగా అమలు చేస్తున్నాయి. కాగా గుట్టలు, అటవీ ప్రాంతాల్లో ఉన్న ఖాళీ ప్రదేశాల్లో మొక్కలు నాటడం కష్టతరంగా మారింది. గతంలో అటవీశాఖ ఆధ్వర్యంలో విత్తన బంతులను తయారుచేసి ఖాళీ ప్రదేశాల్లో సిబ్బంది వెదజల్లే వారు. అది పూర్తిస్థాయిలో సఫలీకృతం కాలేదు. తాజాగా విత్తన బంతులను అటవీప్రాంతంలో వెదజల్లేందుకు డ్రోన్లను వినియోగంలోకి తీసుకువచ్చారు. రాజన్న సిరిసిల్ల జిల్లా వీర్నపల్లిలో సోమవారం మొదటిసారిగా డ్రోన్ల ద్వారా విత్తన బంతులను వెదజల్లే పద్ధతికి అటవీశాఖ శ్రీకారం చుట్టింది. వీర్నపల్లి ఆదర్శ పాఠశాల ఉపాధ్యాయులు, విద్యార్థులు, అటవీసిబ్బంది సంయుక్తంగా 1500 విత్తన బంతులను తయారు చేశారు. వీటిని సమీపంలోని అటవీప్రాంతంలో డ్రోన్ల ద్వారా వెదజల్లారు. వీటి ద్వారా సాధారణం కంటే ఎక్కువ దూరంలో బంతులు వేసే వీలుంది. డ్రోన్‌కు ఒకేసారి 400 బంతులను తీసుకెళ్లే సామర్థ్యం ఉంది. ఇలా వేసిన ప్రతి విత్తన బంతి కింద పడిన ప్రాంతాన్ని డ్రోన్‌లో జియో ట్యాగింగ్ చేస్తున్నారు. దీని ఆధారంగా వర్షాకాలంలో ఎన్ని మొక్కలు మొలకెత్తాయని తెలుసుకోవడం సులభం. ముఖ్యమంత్రి కేసీఆర్ పుట్టినరోజు సందర్భంగా మంత్రి కేటీఆర్ ప్రత్యేక చొరవతో జిల్లా అటవీశాఖ, ప్రైవేటు డ్రోన్ల నిర్వహణ సంస్థ ఆధ్వర్యంలో ఇకపై ప్రయోగాత్మకంగా అమలు చేశారు.

అడవిలో హరితహారం

- డ్రోన్ల సాయంతో విత్తనాలు
- మొక్కలకు జియోట్యాగింగ్
- హైదరాబాద్ నుంచి పర్యవేక్షణ
- పైలెట్ ప్రాజెక్టుగా వీర్నపల్లి ఎంపిక
- సీడ్‌బ్యాగ్స్ విడుదల చేసిన డ్రోన్లు
- తొలిప్రయత్నమే విజయవంతం
- ట్వీటర్‌లో మంత్రి కేటీఆర్ అభినందన
- హర్షం వ్యక్తం చేస్తున్న అధికారులు

విత్తన బంతులను జారవిడుస్తున్న డ్రోన్

రాష్ట్రప్రభుత్వం ప్రతిష్ఠాత్మకంగా చేపట్టిన హరితహారం కార్యక్రమాన్ని అటవీప్రాంతాలకు విస్తరించేందుకు అధునిక సాంకేతికతను జోడిస్తోంది. భవిష్యత్ తరాలకు దట్టమైన అటవీప్రాంతాలను అందించేందుకు పూనుకుంది. అడవుల్లోనూ విరివిగా మొక్కలు నాటేందుకు డ్రోన్ల సాయం తీసుకుంటోంది. ఇప్పటి వరకు గ్రామాలు, ప్రభుత్వ కార్యాలయాలు, దహనాలకు ఇరువైపులా, పాలం గట్టు తదితర పరిమిత ప్రాంతాల్లోనూ నేడూ మొక్కలు నాటింది సర్కారు.. తాజాగా సాంకేతిక పద్ధతులో సీడ్‌బాల్స్ జారవిడిచి మొక్కలు పెంచేలా చర్యలు తీసుకుంటోంది. ఇందుకోసం రాష్ట్రంలోనే జిల్లాలోని వీర్నపల్లి అటవీప్రాంతాన్ని పైలెట్ ప్రాజెక్టుగా ఎంపిక చేసింది. అదివారం డ్రోన్లసాయంతో ఏకంగా సీడ్‌బాల్స్ జారవిడిచి అధికారులు విజయం సాధించారు.

- ఎల్లారెడ్డిపేట(సిరిసిల్ల)

वन-पर्यावरण मंत्रालय का पायलट प्रोजेक्ट • एक साल बाद देखेंगे इन बीजों की प्रगति, रिपोर्ट तय करेगी अगला कदम

सरवणी वेण पहाड़ी पर ड्रोन से गिराईं खेर-बहेड़ा के 10 हजार सीड बॉल, पौधे पनपे तो हजारों मीटर ऊंची पहाड़ियों पर भी लाएंगे हरियाली

उदयपुर को ही चुना- क्योंकि यहां अरावली शृंखला में 1500 मीटर से भी ऊंचे हैं मगरे

क्या हैं सीड बॉल

बीज को खाद, मिट्टी सहित अन्य पोषक तत्वों के साथ मिक्स कर बॉल यानी गेंद की तरह बनाया जाता है। ये वे तत्व हैं, जिनको बीज को अंकुरण के लिए 10-12 दिन तक जरूरत होती है। बॉल जैसे ही पहाड़ी पर गिरते हैं, वह गलने के साथ बीज मिट्टी के संपर्क में आकर अंकुरण और पौध बनने की ओर बढ़ जाता है।

KTR @KTRBRS

Seeding through drones as part of Haritha Haaram at Veernapalli in Sircilla constituency today

#HappyBirthdayKCR
#EachOnePlantOne

వీర్నపల్లిలో డ్రోన్ల ద్వారా విత్తన బంతులను వెదజల్లుతున్న మంత్రి కేటీఆర్ ట్వీట్

అటవీ విస్తరణకు 'డ్రోన్ సీడింగ్'

- సీఎం కేసీఆర్ పుట్టినరోజున సిరిసిల్లలో ప్రారంభం
- టీ-వర్క్స్ సహకారంతో రూపకల్పన

హైదరాబాద్/రాజన్న సిరిసిల్ల ప్రతినిధి, నమస్తే తెలంగాణ: పర్యావరణ పరిరక్షణకు తెలంగాణ ప్రభుత్వం చేపట్టిన హరితహారంలో భాగంగా రాజన్న సిరిసిల్ల జిల్లా అటవీశాఖ వినూత్న ప్రయోగం చేపట్టింది. ముఖ్యమంత్రి కే చంద్రశేఖర్‌రావు పుట్టిన రోజు సందర్భంగా డ్రోన్‌తో విత్తనాలను చల్లే విధానాన్ని ప్రారంభించింది. హైదరాబాద్‌కు చెందిన మారుత్ సంస్థ తయారుచేసిన డ్రోన్‌తో సిరిసిల్ల సమీపంలోని వీర్నపల్లి గ్రామ శివారులో సోమవారం ఒకేరోజు 15 వేల విత్తన బంతులను చల్లి రికార్డు సృష్టించింది. బంజరు భూములు, బహిరంగ ప్రదేశాల్లో అడవుల పునరుద్ధరణకు దర్వలు తీయలేనిచోట్ల సీఎం కేసీఆర్ ఆలోచనకు అనుగుణంగా టీ-వర్క్స్ డ్రోన్ సీడింగ్‌ను అభివృద్ధిచేసింది. భవిష్యత్‌లో రాష్ట్రమంతటా అడవుల పునరుద్ధరణకు ఈ సాంకేతిక పరిజ్ఞానాన్ని వినియోగించనున్నారు. సిరిసిల్ల జిల్లాలో చేపట్టిన డ్రోన్ సీడింగ్ పైలట్ ప్రాజెక్టు విజయవంతమైంది. ఈ పద్ధతిలో అడవుల పునరుద్ధరణకు విత్తనాలు చల్లడంపై టీఆర్‌ఎస్ వర్కింగ్ ప్రెసిడెంట్, మున్సిపల్, పరిశ్రమల శాఖల మంత్రి కేటీఆర్ స్వీయ్‌ట్ ద్వారా సదస్యాతకులను ఆహ్వానించారు. ఈ ప్రయోగం ద్వారా అటవీ ప్రాంతంలో గంగ రావి, వెలగ, గువ్వమర్రి చేమ, సీమ చింత, రావి, సీతాఫలాలకు సంబంధించిన 15 వేల విత్తన బంతులను చల్లినట్లు మారుత్ సంస్థ సీఈవో ప్రేమ్‌కుమార్ తెలిపారు. ఈ కార్యక్రమంలో జెడ్పీటీసీ గుగులోతు కళావతి, ఎంపీపీ మాలోత్ భూల, మారుత్ సంస్థ సీఈవో ప్రేమ్ కుమార్, ప్రైవేట్ సమన్వయ సమితి మండల కన్వీనర్ ఎర్ర సాగర్, వీఎంబ్లీ ఫైనాన్షియర్ సీలం రాకేశ్, బంజార సంఘం జిల్లా అధ్యక్షుడు గుగులోతు సురేశ్‌నాయక్, టీఆర్ఎస్ మండల శాఖ అధ్యక్షుడు గుజ్జుల రాజిరెడ్డి, ఎర్రబెల్లి రామచంద్రం గౌడ్, ఎంపీపీలు వేణుగోపాల్, టీఆర్ఎస్ మహిళ విభాగం మండల అధ్యక్షురాలు ఐళ్ల, సర్పంచులు దివకర్, మల్లేశం, శ్రీనివాస్, రవి, ఎంపీటీసీ అరుణ్ తదితర నాయకులు పాల్గొన్నారు. అంతకుముందు సీఎం బర్త్‌డే సందర్భంగా మొక్కలు నాటి కేక్ కటింగ్ చేశారు.