स्वास्थ्य एवं
परिवार कल्याण मंत्रालय
MINISTRY OF
**HEALTH AND
FAMILY WELFARE**
सत्यमेव जयते

HITES
HLL INFRA TECH SERVICES LTD
(A Government of India Enterprise)

AAROHAN

आरोहण

HITES Healthcare Landscape

10 YEARS

April 2024

INFRASTRUCTURE DEVELOPMENT DIVISION

EXECUTING AGENCY OF MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA

Services Offered

Feasibility Studies
Master Planning & Concept Planning
Surveys and Geotechnical Investigations
Preliminary Project Report (PPR)
Detailed Project Report (DPR)
Architectural, Structural Planning & Designing
Tendering and Bid Process Management
Project Monitoring and Contract Management
Site Supervision

INSIDE THE ISSUE

अपूर्व चन्द्रा, भा.प्र.से.
सचिव
APURVA CHANDRA, IAS
Secretary

सत्यमेव जयते

आज़ादी का
अमृत महोत्सव

भारत सरकार
स्वास्थ्य एवं परिवार कल्याण विभाग
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
Government of India
Department of Health and Family Welfare
Ministry of Health and Family Welfare

Message
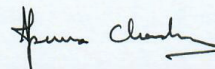
I am writing to express my appreciation for the contributions that HITES has made to India's healthcare sector. As the Secretary of Health, I have witnessed firsthand the impact of the efforts of HITES on the healthcare sector.

HITES has significantly enhanced critical healthcare facilities across India, ensuring that our citizens have access to the quality care they deserve. I am particularly encouraged by HITES's recent expansion into areas such as of IT & IT enables services like Telemedicine, HMIS and smart campuses. These initiatives demonstrate your organization's proactive approach to embracing emerging technologies and addressing the evolving needs of our healthcare system.

As we look towards the future, I have confidence that HITES will continue to lead the way in advancing healthcare infrastructure and services in India.

I extend my best wishes to the entire team for continued success and prosperity.

Dated 28th March, 2024

(**Apurva Chandra**)

D. P. Singh
Chief Executive Officer

डी.पी. सिंह
मुख्य कार्यकारी अधिकारी

Ministry of Health & Family Welfare
HLL Infra Tech Services Ltd.
(A Government of India Enterprise)

स्वास्थ्य एवं परिवार कल्याण मंत्रालय
एचएलएल इंफ्रा टेक सर्विसेस लिमिटेड
(भारत सरकार का एक उद्यम)

MESSAGE FROM CEO HITES

Dear Esteemed HITES Family,

I am thrilled to share with you the exciting news of the impending release of our the first edition HITES Family magazine! This marks a significant milestone in our collective journey, and I couldn't be more excited to embark on this new chapter with all of you.

During the year, Hon'ble Prime Minister Shri Narendra Modi inaugurated HITES-built AIIMS in Guwahati and Bhatinda, alongside laying foundation stones for 14 prestigious Healthcare Projects across India including AIIMS at Rewari. These inaugurations stand as a testament to our organization's commitment to advancing healthcare infrastructure and serving the healthcare needs of our nation.

We have achieved remarkable milestones together, delivering exceptional projects during the past one year and surpassing client expectations. The unwavering commitment to quality, professionalism, and innovation exhibited by HITES has truly set us apart in the industry and established us as a trusted entity.

I want to underscore that our success is a result of our collective efforts and each and every employee of HITES played a pivotal role in shaping the company's growth and reputation.

As we progress forward, it is imperative for us to remain steadfastly aligned with our core values of Trust, Transparency & Teamwork. These principles have been our guiding force in the past and will continue to serve as our compass as we confront new challenges and embrace the myriad opportunities that lie ahead.

I want to extend my heartfelt gratitude to each and every one of you for your unwavering dedication, passion, and commitment to our shared vision. Together, we have achieved remarkable milestones, and I am confident that our magazine will continue to inspire us.

Best Wishes,

One World One Health

Union health minister writes on how India can help G20 make global healthcare a unified digital public good

Mansukh Mandaviya

Imagine a world without the internet today, where computer networks didn't talk to each other. People in one country might continue to reinvent the wheel in use for years in another part of the world. Without a standardised internet protocol, our version of reality would have looked radically different – one with many local area networks but no common internet to plug into.

This alternate reality is similar to the flux in the digital health space today. On the edge of disruptive technologies, it awaits direction, standardised framework and a decisive nudge from the international leadership to ensure innovations can be scaled up to benefit billions in the Global South.

The exciting world of digital health is brimming with small but powerful pilots and innovations across subsectors. Some of these are smart wearables, internet of things, virtual care, remote monitoring, artificial intelligence, big data analytics, blockchain, tools enabling data exchange, storage and remote data capture.

But without a unified global vision, all of it is stuck in a fragmented ecosystem. This, when the pandemic has shown the enormous potential of digital health-care tools.

Digital tools, public good

India has experienced transformative digital tools in public health. During the Covid pandemic, platforms like CoWIN and eSanjeevani were game-changers in the delivery of vaccines and healthcare services.

CoWIN, Covid vaccination programme's digital backbone, tracked the logistics of vaccines. It registered people to be vaccinated and generated digital certificates as proof of vaccination.

By reducing the information asymmetry between people and the system, CoWIN democratised the vaccination drive. Rich or poor, everyone had the same access. Realising the potential of the open-source tool, PM Modi offered it to the world as a digital public good.

Similarly, eSanjeevani, the telemedicine platform allowed online consultations with doctors from home. It has handled over 10 crore consultations. At its peak, it handled over 5 lakh consultations a day.

A digitally enabled Covid war room helped make real-time policy decisions. A specialised surveillance system tracked the disease by geography and monitored inventories for essential supplies, predicting demand at national, state and district levels based on caseloads. Aarogya Setu, RT-PCR app and other digital tools allowed for data to inform policy that strengthened India's Covid response by an order of magnitude.

To exploit the potential of digital tools in public health, India is building a national digital health ecosystem – Ayushman Bharat Digital Mission (ABDM). It empowers patients to store and access medical records, share these with healthcare providers and ensure treatment.

It helps patients access accurate information on health facilities and service providers. India under PM Modi is willing to share its learnings and resources to build similar digital health ecosystems for the world, particularly low- and middle-income countries. Here, vulnerable people can derive benefits of cutting-edge digital solutions. The dream of universal healthcare coverage can come true.

Open access, remove barriers

Access to digital solutions is blocked by copyright regimes and proprietary systems. Most transformative digital solutions are not easily accessible because they are unevenly distributed in terms of language, content, and infrastructure.

Even where digital public goods or open-source solutions exist, their utility is limited as they're bound to a platform, data and logic, for which no global standards exist. There is no global governance framework for digital health that can ensure interoperability across systems and address concerns around data security and privacy.

Independent efforts to create global standards around digital health exist but operate in silos, and are largely uncoordinated without any support for their enforcement.

If the global community resolves to converge its efforts under one umbrella, G20 is the platform to build a future-ready vision for digital health.

Consolidate efforts, ensure coverage

Imagine the tremendous potential that can be unlocked if we build and implement a global blueprint for digital health. For that we need to:

1. Converge the many scattered ongoing efforts into a global initiative on digital health, institutionalise a governance framework.

2. Collaborate on a protocol as had been done for the internet decades ago.

3. Identify and scale up promising digital solutions as digital public goods.

4. Bring on board all stakeholders.

5. Build trust for global exchange of health data and find ways to fund such initiatives.

With the presidency of G20, India will strive to build consensus on some of these issues with mechanisms to operationalise them. All it takes to script a breakthrough in digital health is to place collective good over narrow interests; to grasp that the 'universe' in Universal Healthcare Coverage extends beyond own countries.

What must drive intention and action in G20 is Vasudhaiva Kutumbakam: the universe is a family. And it is our responsibility to secure the health of that family. Whatever the cost.

'HITES Clinches Second Spot Among Kerala's Top 29 Ranked SPVs for Second Consecutive Year '

HITES
HLL INFRA TECH SERVICES LTD
A 100% subsidiary company of HLL
(A Government of India Enterprise)

Dr. K.M. Abraham CFA
Former Chief Secretary to
Government of Kerala &
Former Whole Time Member, Securities
and Exchange Board of India (SEBI)

CHIEF EXECUTIVE OFFICER
Ex-Officio Secretary to Government
Finance (Infrastructure)

DO. No. IA-9/348/2019/KIIFB Dated.03.11.2023

My dear Sreekumar

During the periodic performance evaluation of SPVs, serious quality and progress related issues at various stages of the projects were observed by KIIFB. Now with the increase in number of SPVs and projects approved by KIIFB, continuous evaluation of the performance of SPVs is essential to improve the overall quality of KIIFB projects. In the above context, KIIFB has initiated Performance Evaluation of SPVs according to the structured template approved by KIIF Board.

The report for the period July 2022 to December 2022 which reviews the performance of 29 SPVs is attached. The evaluation has been carried out by using a structured template duly approved by the KIIF Board, with 5 major categories further subdivided based on 24 parameters. The data required for evaluation of some of the parameters have been collected directly from SPVs by providing keys/checklist and taken from PFMS platform. Evaluation of other parameters are carried out by concerned divisions of KIIFB individually or jointly. The data as on 30.06.2022 has been considered for the evaluation process.

The rating has been done to have a relative comparison among SPVs and to identify their strengths and weakness. The performance evaluation acts as a tool for the SPVs in identifying and assessing the key areas in which they require further improvement or development. It helps the SPVs to align their employees, resources, and systems to meet the strategic objectives of completing KIIFB financed infrastructure projects in a time bound manner keeping quality.

Please ensure that initiatives and further steps by SPVs and respective departments to improve the systems and practices including quality of work at the site and ensure timely handing over of the projects. The individual analytics of each SPVs can be used by them for identifying their competency gaps and thereby taking remedial action. It is also informed that the evaluation for the period Jan 2023 to June 2023 are in progress. It is earnestly hoped that all SPVs will strive to improve their scores in the upcoming reviews.

Best wishes

Yours sincerely

K.M. Abraham

Shri. Sreekumar K J
Vice President
HITES

A LEGACY OF SUCCESS

We are relentlessly striving to ascend to the pinnacle of the Construction Industry, setting new standards of excellence with each project we undertake.

HITES: THE DRIVING FORCE BEHIND HEALTHCARE DEVELOPMENT IN INDIA

In the intricate tapestry of National Development, the role of Healthcare Infrastructure and services is paramount. A robust Healthcare System not only ensures the physical well-being of citizens but also forms the bedrock of a prosperous and thriving society.

Driving Economic Growth and Development:

| 10 YEARS OF SERVICE | 20 STATES | 40 PLUS CLIENTS | 07 ZONAL OFFICES | 12,476Cr ORDER BOOK | 20,000 plus HOPSITAL BEDS ADDED | 07 GRIHA CERTIFIED PROJECTS | 350 Plus PROFESSIONALS |

HITES has established itself as a comprehensive healthcare solutions provider offering a spectrum of services from Infrastructure Development to Procurement Consultancy, Facility Management, and beyond. By effectively delivering state-of-the-art healthcare facilities, HITES has enhanced the accessibility and quality of healthcare services across India.

Under the purview of the Ministry of Health & Family Welfare (MoHFW), Government of India, HITES has emerged as a powerful brand in the healthcare solution provider. Designated as the "National Procurement Support Agency" and "Executing Agency" by the Ministry of Health & Family Welfare, Government of India, HITES has earned recognition for its commitment to excellence. The New AIIMS projects in Bhatinda, Gorakhpur and Guwahati was completed and inaugurated by the Hon'ble Prime Minister. Further solidifying its position as a leader in healthcare infrastructure development, HITES has been nominated as the Executing Agency for New AIIMS projects in Bibinagar and Rewari, with the foundation stone laid by the Hon'ble Prime Minister of India.

HITES is also partnering with various State Govt. in building Healthcare Infrastructure across the Country. Kerala Infrastructure Investment Fund Board (KIIFB), Govt. of Kerala has ranked HITES as 2nd among 29 SPVs (Special Purpose Vehicle) who are working in the State of Kerala.

The Procurement & Consultancy Division has successfully provided its services as a 'Procurement support Agent/ Procurement Consultant' to a large number of National as well as international healthcare projects in India and abroad. It has been appointed as the Procurement Support Agency for the acquisition of medical equipment for 22 New AIIMS and the upgrade of Government Medical Colleges under the PMSSY Schemes. The USP of the division is hand holding of Client for 10 years with support in Warranty and CMC management hence ensuring hassle free equipment availability to medical professionals.

During the challenging times of the global COVID-19 pandemic, HITES demonstrated its unwavering commitment to supporting the nation's fight by providing crucial Facility Management services through our Facility Management Division to key institutes such as AIIMS at Delhi & Patna, GTB, and LNJP Hospitals in Delhi. The credibility and effectiveness of HITES' Facility Management Division were highlighted through its seamless delivery of services to various Central and State Government Hospitals, as well as Government Institutions across India.

HITES' Biomedical Engineering Division (BMEM) plays a crucial role in upholding the operational efficiency of medical equipment and facilities across a wide range of
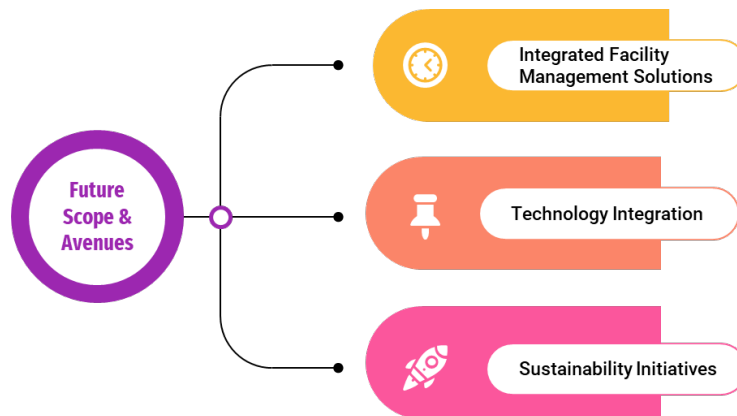
Central and State Government Hospitals and Government Institutions in India. By extending its services to these key healthcare establishments in the States of Madhya Pradesh, West Bengal & Mizoram, BMEM team of HITES ensures the seamless functioning of vital medical equipment, thus contributing significantly to the delivery of quality healthcare services.

Future Scope & Avenues

HITES has emerged as a prominent player in India's healthcare sector, showcasing an unmatched commitment to excellence and driving economic growth and development within the industry. Their expertise in Infrastructure Development, Procurement Consultancy, BMEM, and Facility Management has contributed significantly to shaping India's healthcare landscape. Further, in line with its commitment to innovation, HITES has ventured into IT and IT-enabled services like Telemedicine, recognizing the transformative potential of technology in healthcare delivery.

With a vast portfolio of successful projects and recognition from government agencies, HITES continues to be at the forefront of revolutionizing healthcare infrastructure in India.

Through this magazine (Aarohan), we are showcasing various technical & cultural articles from the employees of HITES.

Enjoy reading....

Khalid Riaz, Sr. Manager (PMC)

EMPOWERING HEALTHCARE: AYUSHMAN BHARAT'S DYNAMIC INITIATIVES IN 2023-24

In its relentless pursuit of accessible and affordable healthcare for all, the Ministry of Health & Family Welfare, GoI has spearheaded groundbreaking initiatives under the Ayushman Bharat umbrella during the fiscal year 2023-24. These initiatives, ranging from the establishment of Ayushman Arogya Mandirs to the expansion of the Ayushman Bharat Pradhan Mantri - Jan Arogya Yojana (AB PM-JAY), mark significant strides towards achieving universal health coverage in India.

Ayushman Bharat encompasses two key components, each addressing crucial aspects of healthcare delivery:

1. Ayushman Arogya Mandir: Formerly known as the Health and Wellness Centres (AB-HWCs), the Ayushman Arogya Mandirs aim to bring healthcare closer to communities by upgrading Sub Health Centres (SHCs) and rural and urban Primary Health Centres (PHCs). These centers provide Comprehensive Primary Health Care (CPHC) services, including those related to reproductive & child health, communicable and non-communicable diseases, mental health, geriatric care, and more. The holistic approach of Ayushman Arogya Mandirs not only treats ailments but also promotes wellness activities like yoga, ensuring a healthier populace.

2. Ayushman Bharat Pradhan Mantri - Jan Arogya Yojana (AB PM-JAY): Recognized as the world's largest publicly funded health assurance scheme, AB PM-JAY provides significant health coverage of Rs. 5 lakhs per family per year for secondary and tertiary care hospitalization. The scheme has already extended its reach to cover 55 Crore individuals from 12 Crore families. Notably, gender equity is prioritized, with women accounting for nearly half of the total beneficiaries and authorized hospital admissions.

The year 2023 witnessed several pivotal moments and initiatives under Ayushman Bharat:

Ayushman Bhava Initiative: Launched to ensure the saturation of healthcare schemes at the village level, the Ayushman Bhava Initiative aims to reach the last mile beneficiaries. This comprehensive program includes interventions like 'Aapke Dwar Ayushman 3.0', 'Ayushman Sabhas', and 'Ayushman Melas', ultimately aspiring to elevate villages to the status of 'Ayushman Gram'.

Aapke Dwar Ayushman (ADA 3.0) Campaign: A vital component of the Ayushman Bhava campaign, ADA 3.0 was rolled out to expand access to healthcare services. An Android-based 'Ayushman App' was launched, facilitating self-verification for beneficiaries and enabling Ayushman card creation using various authentication modes.

Viksit Bharat Sankalp Yatra (VBSY): The Hon'ble Prime Minister launched VBSY to raise awareness about government development policies and schemes. During this yatra, on-spot services for Ayushman Card creation and delivery were offered, resulting in a significant number of Ayushman Cards created.

These initiatives underscore the government's commitment to revolutionizing healthcare delivery in India. By prioritizing accessibility, equity, and innovation, Ayushman Bharat continues to pave the way for a healthier and more prosperous nation.

Editorial Team

Procurement & Consultancy Division

"NATIONAL PROCUREMENT SUPPORT AGENCY"

of Ministry of Health & Family Welfare, Government of India

Services Offered

Need Assessment
Preparation of Procurement Plans
Technical Specifications
Bid Process Management
Procurement of Equipment
Goods and Services
Pre-shipment and Post-shipment Inspection
Installation Testing & Commissioning

G20 DECLARATION ON HEALTH: PRIORITIES & DIGITAL ADVANCEMENTS FOR INDIA

The 18th G20 Summit, hosted in New Delhi from September 9th to 10th, 2023, marked a pivotal moment in global health discourse. At the forefront of discussions were India's three key health priorities, embedded within the G20 declaration, alongside a significant push towards digital innovations in healthcare.

The summit, held at the prestigious Bharat Mandapam, brought together leaders from the world's most influential economies to chart a course towards a healthier, more resilient future. Among the top priorities outlined in the G20 declaration was a commitment to strengthen primary healthcare systems, bolster the health workforce, and enhance essential health services to levels exceeding pre-pandemic standards. This ambitious agenda aimed to achieve these goals within the next two to three years, signaling a collective resolve to address pressing health challenges head-on.

Central to the discussions was the recognition of the persistent threat posed by epidemics such as tuberculosis and AIDS. The G20 underscored the importance of redoubling efforts to combat these diseases, emphasizing the need for innovative approaches and sustained investment in research and development. By prioritizing long-term solutions, the global community aimed to mitigate the enduring health impacts of these epidemics.

Moreover, amidst deliberations on emerging health crises, the summit highlighted the significance of addressing the lingering effects of COVID-19. With a growing understanding of 'long COVID', the G20 committed to fostering research initiatives aimed at unraveling the complexities of this condition. By prioritizing research and data-driven solutions, the summit aimed to mitigate the long-term health consequences of the pandemic.

In parallel, the G20 declaration heralded a new era of digital transformation in healthcare. Leveraging India's expertise in technology and innovation, the summit endorsed a digital push to revolutionize healthcare delivery. From telemedicine to digital health records, the integration of technology was hailed as a game-changer in enhancing accessibility and efficiency within healthcare systems.

India, with its robust digital infrastructure and burgeoning startup ecosystem, emerged as a key driver of these advancements. With a commitment to leveraging technology for the greater good, India pledged to spearhead initiatives aimed at democratizing access to healthcare services and catalyzing innovation on a global scale.

Furthermore, the G20 reaffirmed its commitment to fostering international cooperation and solidarity in addressing health disparities. Recognizing the interconnected nature of global health challenges, leaders emphasized the importance of collective action in building a more resilient and inclusive healthcare ecosystem.

As the summit drew to a close, the G20 declaration on health stood as a testament to the power of collaboration and collective ambition. With India's priorities at the forefront and a renewed focus on digital innovation, the summit laid the groundwork for a transformative journey towards a healthier, more equitable world. As nations unite to confront the myriad challenges ahead, the spirit of unity and resolve embodied by the G20 declaration on health serves as a beacon of hope for generations to come.

Editorial Team

EMPOWERING PROJECT EXCELLENCE: A HOLISTIC APPROACH TO QUALITY AND EFFICIENCY

Introduction

In today's dynamic and competitive landscape, the optimization of projects through effective project management techniques has become a keystone for success. This article delves into the multifaceted strategies that empower Public Sector Undertakings (PSUs) by combining the elements of effective project management and a commitment to high-quality standards. PSUs, acts

as a catalyst for ensuring highest standards for projects and driving towards successful completion with integrity and excellence. Here, we explore the comprehensive approach that transforms PSUs into architects of successful and resilient projects and shares those experience and practices followed in HITES

Project Management Techniques.

Public Sector Undertakings (PSUs) are responsible for the implementation of projects focusing mainly on 3 "S" - Safety, Standards and Speed. Safety compliance in construction is one of the important aspect. Standards denote Specifications and procedures to be followed in the project. Speed refers to the progress pace to complete the project within the stipulated time. Various Project Management tools and techniques such as Scheduling and Monitoring through Primavera / MS Project, WebGIS Dashboard, Project specific review meetings, Quality Audit, Technical Inspections are to be effectively used. These tools provide real-time insights, offering a dynamic interface for both top-management and execution teams. Weekly Staff Meetings and project reviews serves as platforms for in-depth discussions, creating a collaborative environment to identify and address issues promptly..

Efficient Time Management:

Timesheet management is crucial for optimizing efficiency and resource allocation in projects. To tackle this, concept of Time Sheet has helped to ensure that expenses are allocated to each project. Each official will be required to record their work on these time sheets. Time sheets enable engineers to track their tasks, prioritize activities, manage workloads, plan and schedule tasks, enhance accountability, and optimize travel time and costs. Past data from time sheets provides valuable insights for future planning and helps in analysing Individual Project Profitability (IPP).

The Power of Quality Audits:

Quality is a commitment that separates projects from mere construction to lasting legacies. Quality Audits (QA) play a crucial role in the project lifecycle by providing a systematic assessment of various aspects. These comprehensive evaluations drives continuous improv-

ement and ultimately enhance the project outcome. The audit focus on process, materials, and workmanship thereby ensuring compliance with relevant standards and procedural guidelines.

QA provides recommendations for improvement, contributing to the continuous evaluation of the projects and thereby achieving client satisfaction, cost efficiency and long term sustainability.

The Quality Audit Manual of HITES acts as the backbone of the audit process. It provides standardized processes, and serve as a reference guide to ensure consistent application of audit procedures in all projects. The manual offers clear guidelines for audit processes, reducing ambiguity and ensuring uniformity in assessments. Additionally, it serves as a valuable training tool for new audit team members, contributing to overall quality assurance.

Deployment of Diverse Teams for Site Inspections

Cross-functional teams comprising of engineers from various disciplines ensure a holistic view of the project. This diversity enhances problem- solving and innovation, efficient resource utilization and safety regulations. During site visits, the team will monitor the quality, progress of work in alignment with milestone. Inspection reports will be forwarded to the Execution heads for their review and compliance. The Unit Head reviews the Audit reports on monthly / quarterly basis depending on the value of project to assess departmental performance, and collaborates with execution heads and stakeholders to provide strategic guidance.

Digital Solutions for Enhanced Efficiency:

In the realm of emerging trends and digital solutions, tools like Buildots and Procore are transforming project audits. Buildots utilizes helmet-mounted cameras and Artificial Intelligence (AI) for real-time data collection, progress tracking and prompt risk identification. Procore, with its comprehensive suite of AI solutions, streamlines construction project management, offering automated document control, real-time collaboration, advanced

analytics, and reporting. The initiatives for implementation of same has already been taken by HITES.

Way forward:

Empowerment of PSUs involves creating a culture of collaboration, transparency, and accountability. As mentioned above, by embracing project monitoring tools, implementing efficient timesheet management, assembling cross-functional teams for site inspections , and delineating clear roles for each stakeholder, PSUs can navigate the complex terrain of project management with confidence. Being a PSU who has effectively utilised the advanced technology for ensuring quality, efficiency and timelines, HITES could create its own systems for delivery of top-quality, resilient, and successful infrastructure projects. **QA Cell & PMU, HITES**

MEDICITIES IN INDIA: TRANSFORMING HEALTHCARE INFRASTRUCTURE FOR NATIONAL DEVELOPMENT

India's Population surpassed 1.3 billion, making it the second most populous country globally

The doctor-to-population ratio stands at approximately 1:1456, significantly lower than the WHO recommended ratio of 1:1000

Access to quality healthcare remains unequal, with rural areas and marginalized communities bearing the brunt of inadequate infrastructure and services

Healthcare expenditure in India is predominantly out-of-pocket, pushing millions into poverty each year

In the vast landscape of India's healthcare sector, the concept of 'Medicities' emerges as a beacon of hope, promising to revolutionize healthcare infrastructure and services across the nation. As India strives to address the growing healthcare needs of its burgeoning population, the establishment of Medicities presents a compelling opportunity to bridge gaps in accessibility, quality, and affordability of healthcare services. In this article, we explore the imperative need for Medicities in India, their role in nation-building, key components, and the significance of zoning within these healthcare hubs.

The Need for Medicities in India

India, with its diverse demographics and socio-economic challenges, faces a pressing need to bolster its healthcare infrastructure. The demand for healthcare services is escalating rapidly, fuelled by factors such as population growth, urbanization, and an epidemiological transition characterized by a rising burden of non-communicable diseases.

Key Data:

Healthcare as an Opportunity in Nation Building

Amidst these challenges, healthcare emerges as a critical pillar of nation-building, with far-reaching implications for socio-economic development. A robust healthcare system fosters human capital development, enhances productivity, and promotes inclusive growth. Furthermore, investments in healthcare infrastructure stimulate job creation, drive innovation, and attract domestic and foreign investments.

The concept of Medicities aligns seamlessly with India's aspirations for holistic development, offering a transformative approach to healthcare delivery that integrates clinical care, research, education, and innovation within a conducive ecosystem.

Why Go for Medicity?

Medicities represent a paradigm shift in healthcare delivery, offering a comprehensive and integrated approach to address the multifaceted challenges confronting India's healthcare landscape. Here's why Medicities are indispensable:

INTEGRATED HEALTHCARE ECOSYSTEM - Medicities bring together healthcare providers, research institutions, academic centers, and allied industries within a collaborative ecosystem, fostering synergies and innovation across the healthcare value chain.

CENTERS OF EXCELLENCE - By concentrating specialized medical facilities, advanced technology, and expertise in one location, Medicities serve as centers of excellence, offering world-class healthcare services that are otherwise inaccessible to many

MEDICAL TOURISM HUB - Medicities have the potential to emerge as medical tourism destinations, attracting patients from across the globe seeking high-quality healthcare services at competitive prices. This influx of medical tourists contributes to revenue generation, job creation, and economic growth.

Components & Zoning of Medicity

Medicities are characterized by a diverse array of components designed to cater to the holistic healthcare needs of individuals and communities. Further, Zoning within Medicities plays a pivotal role in optimizing space utilization, ensuring functional efficiency, and creating a conducive environment for healthcare delivery. The zoning framework typically includes:

Innovation Zone → Hospital and Specialized Centers → Research and innovation Centers → Medical Education Institutions → Residential Zones → Commercial Zones → Innovation Zone
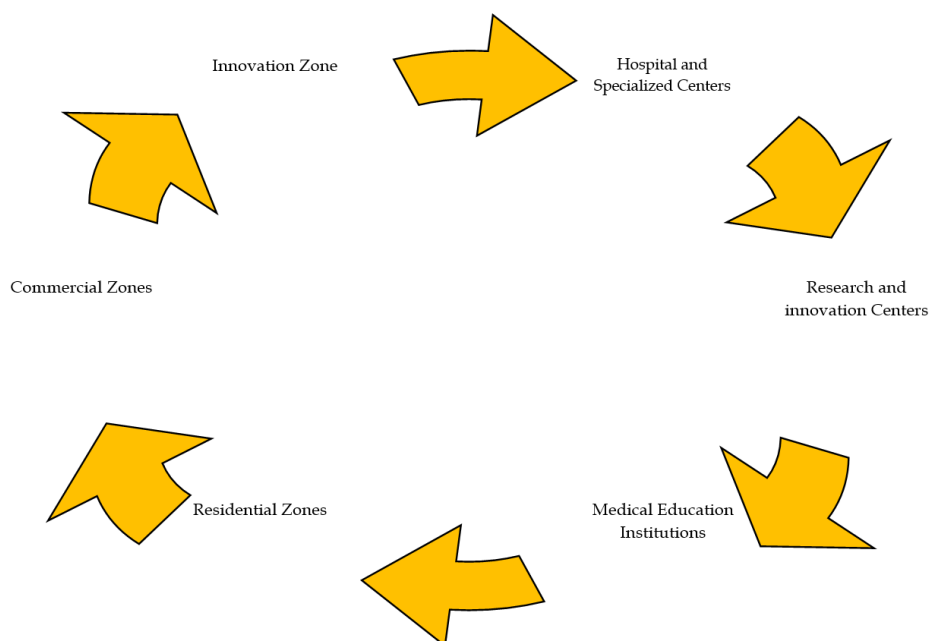
Medicities herald a new era in healthcare delivery, offering a holistic and integrated approach to address the evolving healthcare needs of India's population. By leveraging the synergies between healthcare, research, education, and innovation, Medicities have the potential to drive transformative change, propel economic growth, and elevate India's standing on the global healthcare stage.

Khalid Riaz, Sr. Manager, (PMC)
Priyanshu Prasad, Manager, (BD)

13

FACILITY MANAGEMENT SERVICES

Services Offered

Engineering Operation & Maintenance, Integrated Building Management,
Housekeeping, Security & Horticulture Services
'Q' Management, Hospitality Support
Kitchen & Canteen Services
Manpower Services

STREAMLINING CONSTRUCTION CONTRACTS: A GUIDE TO DISPUTE RESOLUTION

Since its establishment in 2014, HITES has maintained a steadfast record of excellence in execution and profitability, distinguishing itself within the healthcare sector. Specializing in a comprehensive range of services aimed at establishing and upholding top-tier healthcare facilities, HITES has consistently leveraged innovation and value-added approaches. As the company commemorates its 10th anniversary, its legal team has crafted an insightful resource elucidating the intricacies of construction contracts. This initiative aims to simplify and enhance understanding, reflecting HITES's ongoing commitment to excellence and transparency in its operations.

Contracts serve as the cornerstone of the commercial ecosystem, serving as the conduit through which various parties allocate resources and translate agreements into tangible or intangible outcomes such as goods, services, or technology. Specifically, a 'construction contract' pertains to any agreement entered into for the construction of closely interlinked or interdependent assets, encompassing design, technology, and function. This involves multiple stakeholders including the employer, contractor, sub-contractor, project management consultant, and supplier. With a primary emphasis on construction parameters such as design, quality and deadlines, such contracts necessitate a robust framework delineating participant obligation, risk allocation, legal rights, and equitable considerations, alongside mechanisms for timely dispute resolution.

Tests for determining a valid construction contract

The law relating to construction contracts is the application of general principles of the law of contract in a particular context which makes it essential to understand the context in which a particular provision in the construction contract is sought to be interpreted. The first step is to identify whether a valid contract has been formed because a construction contract is often preceded by a range of negotiations, offers, counter-offers, tenders, advance bank guarantees, and related documents.

The preliminary test of determining whether a contract is valid or not or whether a valid contract has come into existence to be binding on the parties, is to employ the classic principles of contract on offer and acceptance. The parties placing any reliance on vague provisions in the tender documents or the understanding of a party without sufficient evidential support would not suffice to establish the formation of a valid contract.

Essential provisions and documentation in construction contracts

Even though the set of documents differs based on the nature of the construction activity and the form of contract chosen, the following are some of the standard documents and provisions:

a.   detailed drawings and complete description of construction works;

b.   detailed specifications of proposed works to supplement drawings, indicating the scope and quality of work;

c.   bills of quantities i.e. a list of quantities of items required for construction enabling pricing of the contract;

d.   conditions of contract related to performance and relationship between the parties, covering risk allocation and responsibilities of the parties;

e.   employer's requirements setting out the scope and standard of work;

f. performance requirements declaring desired output/ performance expected from the contractor;

g. allocation of responsibility on parties for providing key data and information;

h. dispute resolution clause setting out the methods of dispute resolution.

Disputes surrounding construction contracts

Disputes are an inevitable facet of construction contracts arising from the complex nature of the underlying agreements and the lengthy duration of construction projects. To effectively manage long-term construction contracts parties must undertake the critical task of allocating and mitigating risks by employing contractual mechanisms, guarantees, insurance, and indemnities. The following are some of the common claims arising from a construction contract: -

a. "Variations" in construction contracts are a common occurrence during the execution of work where the contractor is required to execute work that is significantly at variance with what was originally contemplated, on account of changing requirements and exigencies at the project site.

b. "Prolongation cost" arises from a construction contract when the originally stipulated period of completion is lengthened and an extension of time for completion of work is accordingly required.

c. "Unpaid/defective work" claims arise when the work executed by the contractor on site is either not measured for payment or, despite measurement and certification, is not processed for payment by the owner/employer.

d. "Defect liability" issues may arise with the owner/employer claiming that the defect is attributable to the poor workmanship of the contractor, whereas the contractor may claim that the problems with finished work are not attributable to it but have arisen on account of external factors

such as poor operationalization and upkeep by the employer in the post-completion period.

e. "Termination" of the construction contract itself by the contractor or the employer on account of a fundamental breach by the counterparty.

f. "Change in law" between the date of award of the contract and the date of completion can result in additional costs that were not contemplated at the stage of entering into the contract. The identification of the responsibility for bearing the additional cost can lead to disputes between the parties.

Dispute Resolution mechanisms adopted in construction contract

The focus for every dispute resolution mechanism should always be on ensuring maximum time and cost savings, and at the same time effective in the long run. Since, construction involves variable factors which require adaptation of innovative and flexible mechanisms such as multi-tier dispute resolution clauses (MTDRC), establishment of dispute adjudicatory boards (DAB), and sometimes through local courts. MTDRC provides a dispute resolution mechanism based on a mix of different alternate dispute resolution mechanisms. For instance, in a long-term project where parties need to maintain a relationship over a long period, parties often opt for mediation, conciliation, or negotiation as the first tier of resolution. Parallelly, for smaller and simpler projects, the parties may opt for arbitration directly to ensure quicker resolution as excessive tiers can lead to delays in resolution. Standard form of contracts includes MTDRC's as their dispute resolution mechanism with the following stages:

a. "negotiation"

b. "mediation/ conciliation"

c. "arbitration"

d. "Expert determination"

e. "Arb-Med-Arb hybrid"

In conclusion, it is important to note that various disputes may arise in construction contracts involving the State and its instrumentalities because the site is not available on account of delayed acquisition of land, insufficient regulatory approvals, etc. at the stage of entering into contract, and commencement of work. Though in certain projects, there might be a justification for expediting the contract award process, it has become an industry norm that the land acquisition and regulatory approvals are procured in an ad hoc manner as the work progresses. Ultimately, the early award of the contract, and the time saving achieved thereby, are usually put at naught by the delays that are subsequently occasioned on account of the ad hoc processes followed in acquiring land and receiving approvals. Putting in place a protocol whereby contracts especially public projects, are tendered out only once the fundamentals are in place, is the need of the hour.

Legal Division, HITES

BEYOND BRICKS AND MORTAR: ENSURING SAFETY ONCONSTRUCTION SITES

Money is the lifeblood of business... as such construction safety is the lifeblood of you and your family. In case an accident or casualty occurs in construction site, the gap can't be filled. Here is the importance of safety. Reduced accidents and injuries not only save lives, but also minimize project delays and expenses. Moreover, a safe environment fosters higher productivity, morale and reputation for the company. In fact, the company can provide all facilities and instructions for safe work.... ultimately, we remain responsible for our own safety.

Here are some of the benefits of observing safety measures at construction sites:

1. Employee Protection: Safeguard workers from potential accidents involving heavy machinery, heights and hazardous materials, reducing the risk of injuries or fatalities.

2. Improved Productivity: A safe environment allows workers to focus on their tasks without concern about risk factors around them, boosting efficiency and improving work quality.

3. Timely Completion: Fewer accidents and disruptions contribute to timely completion of construction projects, meeting deadlines and expectations.

4. Legal Compliance: Adhering to safety regulations helps to avoid legal complications and financial penalties, ensuring that the construction site operates within the law.

5. Financial Liabilities: Implementation of safety measures reduce financial liabilities associated with accidents.

6. Positive Reputation: Prioritizing safety builds a positive image for construction companies, enhancing trust among clients, stakeholders, and the community which can lead to more business opportunities.

7. Worker Morales and Retention: A safe workplace boosts morale and encourages worker retention as employees feel valued and cared.

8. Innovation and Efficiency: Safety standards often drive innovation and efficiency in construction methods and technology, leading to advancements that benefit the entire industry.

9. Environmental Protection: Safety protocols often incorporate environmental considerations ensuring that construction activities minimize their impact on the environment.

Community Impact: Safe construction practices contribute to a positive impact on the surrounding community by reducing noise, pollution and safety hazards.

In construction site, safety is not just a legal duty but a mandatory requirement. Placing safety first not only preserve lives but also boosts output and creates happy workplace.

"Be a safety hero and score an accidents zero."

Prasanth K J, APE (Safety)

POWER OF MINDFULNESS: ENHANCING PERSONAL AND PROFESSIONAL LIFE

In our daily hectic schedules, we lead a mechanized lifestyle rather than being positive and mindful. Mindfulness is considered to be a way to achieve self-awareness, peace, and focus. Surprisingly, all of us didn't realize the power of mindfulness or the meaning of mindfulness until our mental health began to drain. This article will talk about what mindfulness is, how it helps in our personal and work lives, and give easy tips for practicing it every day.

Understanding Mindfulness

Mindfulness helps us stay focused on the present moment without worrying about the past or future. It allows us to be aware of our thoughts, feelings, and actions, making us feel more connected to ourselves and the world around us.

Impact on Personal Life

In your personal life, mindfulness is like having a special power that makes you stronger inside and helps you feel happier, no matter what's happening around you. It's like a guiding light that helps you understand yourself better and accept who you are. Through mindfulness, you become more connected with yourself, understanding your thoughts and feelings better. As you grow closer to yourself, you naturally become warmer and more genuine with others, making your relationships stronger and more respectful. Basically, mindfulness makes your personal relationships richer, filling them with honesty, gratitude, and love. Practicing mindfulness for personal development will help you to pay attention in the present moment and find happiness in small things.

Impact on Professional Life

When we're dealing with tight deadlines, workloads, and lots of pressure, staying productive and coming up with new ideas can be tough. Mindfulness offers a different way to handle these challenges. Mindfulness also helps us to be more creative. When our minds are calm, we're more open to new ideas and less afraid of making mistakes. And it's not just about how we work alone; mindfulness also helps us get along better with our coworkers. By being more understanding and listening carefully to others, we can build stronger relationships at work. When everyone feels supported and respected, it creates a nicer atmosphere where people can do their best work. Practicing mindfulness helps us make smart decisions and manage our time well, even when there are lots of distractions around. Additionally, it helps us deal with stress so that we don't feel overwhelmed and exhausted all the time.

In summary, mindfulness is not just about calming techniques; it's a powerful way to understand yourself better, grow, and feel content. When we incorporate mindfulness into our everyday lives, both at home and at work, we can reach our highest potential, handle tough times better, and strengthen our relationships.
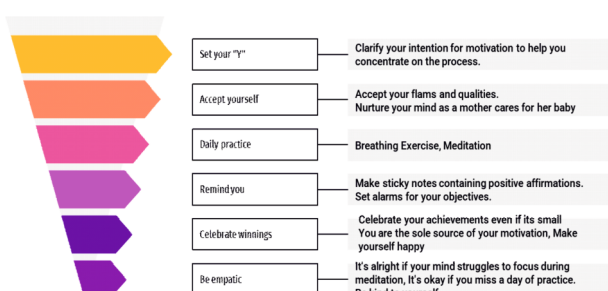
Stress break exercise	To-do list	Focus on Single-task	Embrace who you are
Allocate a small amount of time for breathing or meditation. Relax from stressfull surroundings	Write down your work goals Track your progress Be grateful and happy for your achievements	Avoid multitasking: Your brain jumps around, often causing you to lose focus and make mistakes. Focus on only one thing at a time	Do not criticize yourself too much. Laugh at your mistakes Accept how others react to you and learn from it instead of getting upset

Leave shadows of past…

Stop worrying about future...

Embrace the moment now, Craft a brighter future

Arunima J Prasad, APE (Civil)

	Set your "Y"	Clarify your intention for motivation to help you concentrate on the process.
	Accept yourself	Accept your flams and qualities. Nurture your mind as a mother cares for her baby
	Daily practice	Breathing Exercise, Meditation
	Remind you	Make sticky notes containing positive affirmations. Set alarms for your objectives.
	Celebrate winnings	Celebrate your achievements even if its small You are the sole source of your motivation, Make yourself happy
	Be empatic	It's alright if your mind struggles to focus during meditation, It's okay if you miss a day of practice. Be kind to yourself

ENHANCING PUBLIC PROCUREMENT IN HEALTHCARE: THE VITAL ROLE OF HITES

In the dynamic landscape of healthcare, where the procurement of essential goods and services is paramount to the delivery of quality patient care, the role of a proficient procurement support agency cannot be overstated. HITES stands as a beacon of excellence in this domain, offering unparalleled expertise and support to both national and international healthcare projects in India and beyond.

With a proven track record of success, HITES has emerged as a trusted partner in facilitating public procurement processes for healthcare institutions. Through its Procurement Consultancy Division, HITES has seamlessly integrated itself into the fabric of healthcare procurement, providing invaluable support and guidance to a myriad of projects.

Following are reasons why HITES PCD is crucial in Public Procurement:

1. Specialized Expertise: Healthcare procurement involves intricate knowledge of medical equipment, supplies, and services. HITES, being a specialized agency, can offer expertise in sourcing, evaluating, and procuring healthcare-related products and services efficiently.

2. Cost Efficiency: Healthcare procurement often involves large-scale purchases, and cost efficiency is paramount. HITES can leverage its expertise and industry connections to negotiate better prices, ensuring that healthcare facilities get the best value for their budget.

3. Quality Assurance: Ensuring the quality and reliability of healthcare products and services is vital for patient safety. HITES can implement stringent quality assurance measures, including vendor evaluation and product testing, to guarantee that only high-quality items are procured.

4. Compliance and Regulations: Healthcare procurement is subject to numerous regulations and standards. HITES can navigate these complexities, ensuring that all purchases comply with legal requirements, industry standards, and regulatory guidelines.

5. Streamlined Processes: Procurement processes in healthcare can be complex and time-consuming. HITES can streamline these processes, implementing efficient workflows and standardized procedures to expedite procurement cycles and reduce administrative burdens.

6. Risk Management: Procurement entails inherent risks, such as supply chain disruptions or vendor non-compliance. HITES can assess and mitigate these risks through careful vendor selection, contract management, and contingency planning.

7. Resource Optimization: By outsourcing procurement functions to HITES, healthcare facilities can optimize their internal resources, allowing staff to focus on core clinical activities rather than administrative tasks related to procurement.

8. Scalability and Flexibility: HITES can adapt to the evolving needs and scale of healthcare facilities, whether they are small clinics or large hospital networks. This scalability ensures that procurement support remains effective and responsive to changing demands.

9. Innovation and Market Intelligence: Staying abreast of the latest advancements and innovations in healthcare products and services is crucial. HITES can provide market intelligence and technological insights, enabling healthcare facilities to adopt cutting-edge solutions that enhance patient care.

10. Transparency and Accountability: Transparency and accountability are essential in healthcare procurement to maintain public trust and ensure ethical practices. HITES can uphold these principles through transparent procurement processes, rigorous vendor oversight, and accountability mechanisms.

Procurement & Consultancy Divison, HITES

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UNLOCKING THE DIMENSIONS OF BUILDING INFORMATION MODELLING (BIM)

Introduction

In the realm of architecture, engineering and construction, Building Information Modelling (BIM) stands as a revolutionary approach transforming traditional project workflows into dynamic and collaborative processes. BIM, at its core, integrates graphical and non-graphical data to facilitate the design, construction and operation phases of a project. Understanding the Level of Development (LOD) and the various dimensions of BIM is essential for maximizing its potential and reaping its benefits throughout the project lifecycle.

Level of Development (LOD)

At the heart of BIM lies the concept of Level of Development (LOD), which delineates the depth of information within the model at different stages of the project. LOD serves as a roadmap, guiding stakeholders on what graphical and non-graphical information objects should contain. The BIM Execution Plan (BEP) plays a crucial role in detailing LOD requirements for specific project milestones or BIM uses, assigning responsibilities for information production.

Organizations often provide LOD templates tailored to classify building specifications and cost estimates. However, LOD specifications may vary across projects, contingent upon the intended BIM uses and information requirements. Neglecting LOD definition can lead to downstream complications, necessitating rework and causing delays in project timelines.

BIM Dimensions

BIM models transcend traditional 2D representations, ushering in a new era of multidimensional information management. Rather than framing BIM within conventional dimensions, the focus is shifting towards fundamental BIM uses:

3rd Dimension: Spatial Modelling

A 3D BIM model serves as a virtual replica of the built environment, incorporating spatial dimensions alongside material and finish details. Enhanced coordination, visualization, and information accessibility are key benefits of 3D modelling, facilitated by specialized software and LOD specifications.

4th Dimension: Time Integration

Integrating time into the 3D model gives birth to 4D BIM, enabling model-based scheduling and visualization of construction sequences. Tools like Vico Office, Synchro, and Navisworks empower stakeholders to analyze project timelines, identify clashes, and optimize site utilization. 4D modelling enhances project planning, communication, and stakeholder engagement across all project stages.

5th Dimension: Cost Estimation

The fusion of 4D scheduling with cost information leads to 5D BIM, facilitating model-based estimating and accurate cost projections. By associating quantities and costs with model elements, stakeholders gain insights into project finances, aiding in budget management and decision-making processes.

6th Dimension: Facilities Management

The 6th dimension focuses on leveraging BIM data for facilities management, optimizing operational efficiencies and reducing lifecycle costs. Asset Information Models (AIM) or 6D BIM models integrate information on maintenance schedules, operational costs, and asset performance, ensuring seamless facility operations beyond construction completion.

Analysis (nD): Enhanced Decision-Making

Model-based analysis, or nD modeling, empowers stakeholders to conduct qualitative analyses driven by factors like sustainability, occupant comfort, and safety. By simulating scenarios and evaluating performance metrics, decision-makers can make informed choices early in the design process, promoting sustainability and efficiency.

Conclusion

Embracing the dimensions of BIM unlocks a world of possibilities, revolutionizing project workflows and enhancing collaboration across disciplines. By adhering to LOD guidelines and harnessing the power of multidimensional BIM, stakeholders can navigate complexities with confidence, driving innovation and efficiency in the built environment.

Ganesh S (Project Engineer)
Aswathy A J (Site Engineer)
Aswathy Suresh L (GAT)

NAVIGATING CULTURAL SHIFTS: MOVING BETWEEN THE PUBLIC OR PRIVATE SECTOR

People moving between the public and private sectors have to contend with some quite profound cultural and structural difference. This often feels like navigating a cultural maze, with each domain having its own unique practices, priorities, and challenges. Although gratifying, this path comes with certain cultural shocks and shifts and frequently calls for a great degree of circumstantial adaptiveness.

We don't often hear about people leaving the public service to take up jobs in the private sector and tales of people moving in the opposite direction are almost equally rare. This is possibly related to the cultural differences between the two. A lot of different factors come into play when transitioning from one to other. You probably need to look at the reasons for the move. In some cases, it can be a lifestyle. People want to move into the public sector for more regular hours, it's very transparent in terms of pay scales; it tends to be more family-friendly in terms of job-sharing opportunities.

These things can be available in the private sector but tend not to be structured. Sometimes in the private sector, it can be quite organic. It can be a case of "come and join us and let's see how it works out". But there is a lot of change going on there at the moment. Private-sector organizations have to change to attract talent.

But there are trade-offs. "One thing I experienced is that the public sector can be a bit slow in terms of process. This is mainly due to bureaucratic process, inadequate budgets, hierarchical organisational culture and regulatory outlines. People coming from the private sectors can find this a little bit overwhelming and they have to be able to adapt to that culture. The public sector is very structured and organized. In many areas, you take your coffee breaks at certain times; you start and finish work at specific time. Private-sector workplaces tend to be more flexible in these areas. The promotion also tends to be associated to tenure."

In the Public sector, things may move quite slowly in comparison to the private sector. That can be a little bit frustrating, but things move more slowly for a very good reason. The key thing about public service is, you are accountable to citizens for everything you do, and you have to ensure that everything is done properly. That's a good thing for individuals' accountability. There are amazingly talented people in the public sector doing great work every day on things they genuinely care about doing.

Shock to the system

Moving in the other direction also presents challenges; Coming out of the public sector can be quite a shock to the system. If you go to a private company, they will be able to match public-sector benefits but SMEs may not be able to. You have to leave with your eyes wide open. On the other hand, the public sector still enjoys advantages of transparency about pay and career paths. Gender pays gap reporting will be really interesting. Everything is disclosed in the public sector. It's still quite secret in the private sector. In the private sector, there is more of a tendency to change jobs to progress careers, which is quite challenging for people to longer their jobs at the leadership level. In the public sector, it is very transparent, and you can plan to achieve career goals over a certain period of time.

Adaptability to techno-based business environment

What we tend to see is that a lot of people in public-sector roles tend to stay for a longer time. They don't tend to move. Traditionally, people in the public sector don't move. This is probably because it fit to their personality profile. They may not be risk-takers and may tend to value stability. But nowadays, it is not true or any compulsion too, due to the adaptability of the techno-based business environment in the public sector also wherein people working it with also required delivering to deliver results well within the stipulated period and also have stringent job targets to act accordingly.

It is now an old day thought that, if one has worked in the public sector for a substantial period, one may struggle in adapting to the faster pace of the private sector. Nowadays, public sector companies are also well equipped with the automated business environment and also foreseen to adopt modern-day tools like AI and machine learning too in near future. The public sector has a lot more job security but it can be quite hierarchical in structure. In contrast, the private sector can be very flatter but is less transparent.

## Bridging the culture gap-Foster Collaboration and knowledge exchange

An organizational culture with a mix of both may be the right blend that organizations from both sectors shall look forward to making a real difference in defining working norms to enhance productivity and achieve short-term goals, creating rituals to reinforce the enterprise's culture and enhance a sense of belonging among the employees. Bridging the culture gap between the two can be done through foster collaboration and knowledge exchange.

Wishing all the readers a progressive career ahead!!

Deepak Bhatia, DVP (HR & Admin)

April-2023
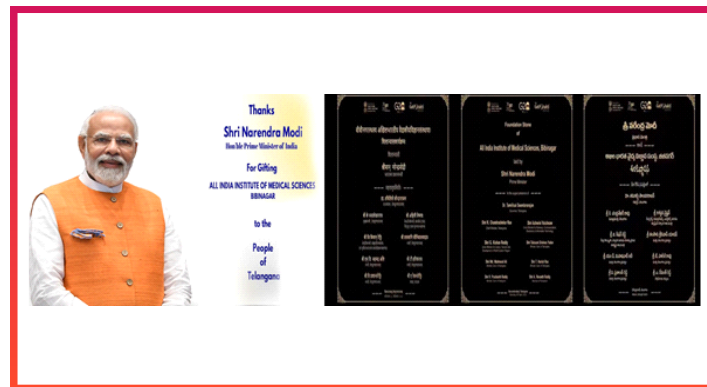
Foundation Stone of New AIIMS at Bibinagar laid by Hon'ble Prime Minister on 08.04.2023.

Inauguration of AIIMS Guwahati by Hon'ble Prime Minister on 14.04.2023.

Foundation Stone Laying of Super Speciality Block at GMC Kottayam by Hon'ble Minister of Health & Family Welfare, Govt. of Kerala on 21.04.2023.

- Inauguration of GMC Konni, Phase-1, Academic Block by Hon'ble Chief Minister of Kerala on 25.04.2023

- HITES has been appointed as the Executing Agency by Municipal Corporation of Delhi for setting up 50 nos. EV charging station at various location in Delhi

- Work Order received from Govt. of Kerala for Development of Mental Health Centre, Thiruvananthapuram under KIIFB, Govt. of Kerala

May-2023

1. Appointment of HITES as Executing Agency to carry out the establishment work of AIIMS Rewari in Haryana.

2. HITES has received the LoI for construction of GMC & Hospital at Alibaug , from Govt. of Maharashtra.

3. HITES has received the LoI for construction of GMC & Hospital at Nandurbar from Govt. of Maharashtra.

June-2023

1. MoU signed between New Delhi Municipal Corporation (NDMC) and HITES for the establishment and operations of Electric Charging Vehicle at various locations under the jurisdiction of NDMC on 9th June '23.

2. MoU signed between MoHFW and HITES for providing manpower to MoHFW under facility management services on June 12th June '23.

3. MoU signed between MoHFW and HITES to carry out establishment works at AIIMS Haryana on 13th June'23.

4. MoU signed between AIIMS, Jammu and HITES for procurement of medical equipment on 20th June '23.

5. BEL (Bharat Electronics Ltd.) and HITES signed an MoU to partner and work together for projects related to infrastructure services, networking and cyber security solutions in health care domain on 26th June '23.

6. HITES appointed as the Custom House clearance agent for AIIMS Delhi.

7. MoU signed between HITES and 09 Govt. Medical Colleges under Govt. of M.P for providing facility management services.

8. Work order received from Govt. of Kerala for establishment of an Organ Tisue Transplant in Kozhikode, Kerala under KIIFB funding.

9. Work order received from NHM for the Construction of Critical Care Block at Medical College Kottayam under PM ABHIM.

July-2023

1. MoA signed between AIIMS Gorakhpur and HITES for phase-II construction work as on 12th July 2023.

2. MoU signed between AIIMS Raebareli and HITES for HITES as a PSA as 14th on July 2023.

3. MoU signed between Banaras Hindu University (BHU) and HITES as a PSA for CSR activities on 17th July 2023.

4. MoU signed between AIIMS Bilaspur and HITES as a PSA for CSR activities on 30th July 2023.

August-2023

1. HITES Set up Medical Unit with ICU facilities (within 15 days) for G-20 summit at Bharat Mandapam, (ITPO) Pragati Maidan, Delhi.

2. LoA received from Disaster Management, Relief and Rehabilitation Department, Govt. of Maharashtra for Empanelment of State or Central owned SPSE/ CPSE for implementation Disaster Management related works.

3. Signing of MoU with AIIMS, Bilaspur for non-DPR items w.r.t supply of medical equipment.

September-2023

1. MoU signed for PSA for SMS Medical college, Jaipur, as on 13th Sept. 2023.

2. SNMC Agra under PMSSY-IV was inaugurated on 15th Sept. 2023 by Hon'ble Union Minister of Health and Family Welfare Sh. Mansukh Mandaviya through VC.

3. 29th Sept.'23 Work awarded for Rehabilitation Centre (Civil and Procurement) with BHU

4. Work order received from Dairy Dept., work for Establishing Dharmadom Global Dairy Village, Kannur, Kerala.

October- 2023

1. Allotment of 19 locations by MCD for Establishment and Operation of Electric Vehicle Charging Stations 5th October 2023.

November -2023

1. LoA received from PFC received for supply of Cancer Detection Van as on 22nd November 2023.

2. MoU signed with Power Finance Corporation for procurement of BLS –ambulance 30th November 2023.

December- 2023

1. MoU signed between IIT Kharagpur and HITES for providing comprehensive FM Services in the campus as on 1st December'23.

2. Letter for Extension of work for BMEM at West Bengal received as on 20th December 2023. (for 3 months period or till finalization of on-going tender).

3. MoU signed between AIIMS (New Delhi) and HITES for supply of LINAC as on 30th December'23.

January- 2024

1. MoU signed with Power Finance Corporation for procurement of Blood Bank as on 5th January'24.

2. LOA received for 2 projects for the procurement of sports equipment and sanitary napkins by PFC as on 16th January'24.

3. MoU signed with ICMR for setting-up of NIV, Jammu on January'24.

4. MoU signed with Tata Memorial Hospital, Mumbai for PSA as on 16th January '24.

5. MoU signed for construction of BSL-3 lab with ICMR, Jammu under PM ABHIM as on 31st January 2024.

February- 2024

1. Hon'ble Prime Minister laid Foundation Stone of AIIMS, Rewari on 16th February 2024.

2. Hon'ble Prime Minister Inaugurated projects i.e. AIIMS Bhatinda, IPC Ghaziabad as on 25.02.2024

3. Hon'ble Prime Minister laid the foundation stone for BHU Varanasi, RML-Medical college, New Delhi, AIIMS-Bhopal_PET CT Gamma Knife as on 25.02.2024.

4. LoA received for construction for medical college, Atal Bihari Vajpayee Institute of Medical Sciences in Dr. RML hospital, New Delhi as on 17th Feb '24.

5. LoA received for supply of Manpower by IIT Kharagpur for 2nd phase under FMD to HITES as on 29th Feb 2024.

March -2024

1. LoA received from NDMC for establishment and operations of Electric Vehicle Charging Stations (EVCS) for 08 locations under NDMC by HITES as on 15th March 2024.

2. LoA received from Govt. of Arunachal Pradesh for pilot project of Telehealth and RIS (Radiology Information System with PACS) for 2 districts, by HITES as on 16th March 2024.

3. LoA received from Gulathi Institute of Finance and Taxation (GIFT), Kerala

We are thrilled to announce that HITES, has achieved a significant milestone in its pursuit of excellence!

After a rigorous evaluation process, M/S TUV India Pvt Ltd has granted HITES the esteemed status of ISO 9001 and ISO 14001 certification. This prestigious recognition comes following the successful completion of the Stage II Audit, reaffirming HITES' commitment to quality and environmental management standards.

The ISO 9001 certification underscores HITES' dedication to delivering top-notch healthcare infrastructure and technical services, while the ISO 14001 certification highlights its efforts towards environmental sustainability.

This accomplishment marks a testament to HITES' unwavering dedication to quality, efficiency, and

HON'BLE PRIME MINISTER LAID THE FOUNDATION STONE OF ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS),BIBINAGAR

April 2023

Foundation Stone Laying Ceremony

750 bedded Hospital with State-of-Art facilities, like 30 Trauma beds, 75 ICU beds, 16 Operation Theatres, 15 Super Speciality Departments, Modern equipment like CT scan, MRI & Cath Lab facility etc.

Hon'ble Prime Minister Shri Narendra Modi laid the foundation stone of All India Institute of Medical Sciences (AIIMS) Bibinagar on 8th April 2023 in presence of Hon'ble Governor of Telangana Dr. Tamilisai Soundararajan and other eminent dignitaries. Total cost of project is ₹ 1058 Cr. The Institute having 750 Bedded state-of-the-art multi-Specialty /Super-Specialty facilities with captive Hospital, Medical College (at undergraduate level with annual intake of 100 students and PG/Doctoral Courses in various Specialty/ Super-Specialty disciplines) and Nursing College, AYUSH block, Auditorium, Night Shelter, Guest House, Hostels, Residential facilities and other ancillary requirements to make the campus self-sufficient.

HON'BLE PRIME MINISTER NAUGURATED ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), GUWAHATI

April 2023

Project Inaugurated

750 bedded Hospital with State-of-Art facilities, like 30 Trauma beds, 75 ICU beds, 15 Super Speciality Departments, Modern equipment like CT scan, MRI & Cath Lab facility etc.

HON'BLE PRIME MINISTER INAUGURATED ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), GUWAHATI750 bedded Hospital with State-of-Art facilities, like 30 Trauma beds, 75 ICU beds, 15 Super Speciality Departments, Modern equipment like CT scan, MRI & Cath Lab facility etc.Hon'ble Prime Minister Shri Narendra Modi Inaugurated HITES built All India Institute of Medical Sciences (AIIMS) Guwahati on 14th April 2023 in presence of Hon'ble Governor of Assam, Shri Gulab Chand Kataria and other eminent dignitaries. Implemented at a cost of ₹ 1123 Cr; the Institute having 750 Bedded state-of-the-art multi-Specialty /Super-Specialty facilities with captive Hospital, Medical College (at undergraduate level with annual intake of 100 students and PG/Doctoral Courses in various Specialty/ Super-Specialty disciplines) and Nursing College, AYUSH block, Auditorium, Night Shelter, Guest House, Hostels, Residential facilities and other ancillary requirements to make the campus self-sufficient.

HON'BLE PRIME MINISTER INAUGURATED ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BATHINDA

February 2024

Project Inaugurated

750 bedded Hospital with State-of-Art facilities, like 30 Trauma beds, 75 ICU beds, 16 Operation Theatres, 15 Super Speciality Departments, Modern equipment like CT scan, MRI & Cath Lab facility etc.

Hon'ble Prime Minister Shri Narendra Modi Inaugurated HITES built All India Institute of Medical Sciences (AIIMS) Bathinda on 25th Feb 2024 in presence of Hon'ble Governor of Punjab, Banwarilal Purohit and other eminent dignitaries. Implemented at a cost of ₹ 925 Cr;

the Institute having 750 Bedded state-of-the-art multi-Specialty /Super-Specialty facilities with captive Hospital, Medical College (at undergraduate level with annual intake of 100 students and PG/Doctoral Courses in various Specialty/ Super-Specialty disciplines) and Nursing College, AYUSH block, Auditorium, Night Shelter, Guest House, Hostels, Residential facilities and other ancillary requirements to make the campus self-sufficient.

HON'BLE PRIME MINISTER LAID THE FOUNDATION STONE OF ALL INDIA INSTITUTE OF MEDICAL SCEINCES (AIIMS), REWARI

February 2024

Foundation Stone Laying Ceremony

750 bedded Hospital with State-of-Art facilities, like 30 Trauma beds, 75 ICU beds, 16 Operation Theatres, 15 Super Speciality Departments, Modern equipment like CT scan, MRI & Cath Lab facility etc.

Hon'ble Prime Minister Shri Narendra Modi laid the foundation stone of All India Institute of Medical Sciences (AIIMS) Rewari going to be built by HITES on 16th Feb 2024 in presence of Hon'ble Chief Minister of Haryana, Shri Manohar Lal and other eminent dignitaries.

Implemented at a cost of ₹ 1646 Cr. The Institute having 750 Bedded state-of-the-art multi-Specialty /Super-Specialty facilities with captive Hospital, Medical College (at undergraduate level with annual intake of 100 students and PG/Doctoral Courses in various Specialty/ Super-Specialty disciplines) and Nursing College, AYUSH block, Auditorium, Night Shelter, Guest House, Hostels, Residential facilities and other ancillary requirements to make the campus self-sufficient.

HON'BLE PRIME MINISTER INAUGURATED ADVANCE LEVEL RESEARCH CENTRE, IPC GHAZIABAD

February 2024

Project Inaugurated

The institute having Building Management System, 22 KWp on grid solar PV system, 2nos. DG sets (500 KVA-2 no, Centralized VRV HVAC System, Firefighting & Fire detection system, CCTV monitoring systems Access control System etc

Hon'ble Prime Minister Shri Narendra Modi Inaugurated HITES built Advance Level Research Centre, IPC Ghaziabad on 25th Feb 2024 in presence of Hon'ble Union Minister of State for Civil Aviation, and also for Road Transport and Highways, General (Dr.) Vijay Kumar Singh (Retd.) and other eminent dignitaries. The Institute having Various Specialized Labs such as:

- o Analytical R&D Lab
- o Chemical Testing & GCMS Lab
- o New Drug analysis Lab
- o Microbiology Lab
- o Stability studies, Herbal Lab
- o Phyto-Pharmaceutical Lab
- o Biologics Lab
- o IPRS Development, Correctrization & Validation lab
- o Phyto-Pharmaceutical Lab
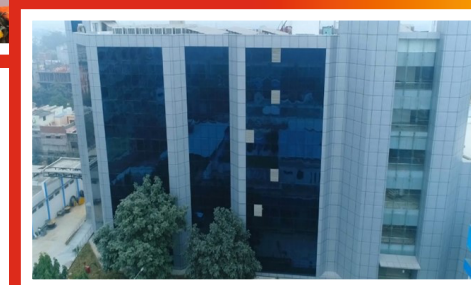
HON'BLE PRIME MINISTER LAID THE FOUNDATION STONE OF MEDICAL COLLEGE AT ATAL BIHARI VAJPAYEE INSTITUTE OF MEDICAL SCIENCES
DR. RAM MANOHAR LOHIA HOSPITAL, NEW DELHI

Foundation Stone Laying Ceremony

Twelve Storied building having three basements, 06 Nos. Lecture Theatre of 300 capacities. Provisions for Laboratories, Examination halls, Demo rooms and Faculty offices for each department.

Hon'ble Prime Minister Shri Narendra Modi laid the foundation stone of Medical College at Atal Bihari Vajpayee Institute of Medical Sciences, Dr. Ram Manohar Lohia Hospital, New Delhi. going to be built by HITES on 25th Feb 2024 in presence of Hon'ble Minister of State for

External Affairs, Smt. Meenakashi Lekhi. Implemented at a cost of ₹. 475 Cr. The Medical College have State-of-Art facilities like 1500-Seater Auditorium, Lecture theatres, Laboratories, Examination Halls, Recreational Spaces, Indoor Sports Amenities, Administration and Central Library, Open lawn, Electric Sub-Station, HVAC Plant Room, Under Ground Tank STP & ETP, Car Parking Area etc.

HANDING OVER THE FIRST KERALA INFRASTRUCTURE INVESTMENT FUND BOARD (KIIFB) PROJECT AT GENERAL HOSPITAL ALAPPUZHA (OP BLOCK)

Project Handing Over

HITES has successfully completed and handover the first Kerala Infrastructure Investment Fund Board (KIIFB) project at General Hospital Alappuzha (OP Block) on 06.03.2024, following the acquisition of all necessary statutory approvals. The project entailed the construction of a G+6 floors OP block, spanning across an area of 12690 sqm, housing consultation areas for 16 departments including General Medicine, Radiology, Orthopedics, Pediatrics, Ophthalmology, General Surgery, Respiratory, ENT, Medical Gastro, Urology, Gastro Surgery, Neurology, Neurosurgery, Oncology, Dermatology, and Cosmetology. Additionally, the project incorporated a 20-bedded Oncology ward, service building for DG and substation, manifold room, and installations of 3 nos 20 passenger lifts and 1 No dumbwaiter. The total value of project upon completion stood at Rs.53.03 Crs.

With the final bill submitted to KIIFB and payment approved, the financial closure of the project is set for 30.04.2024, marking a significant milestone in healthcare infrastructure development in Alappuzha

List of New Joinees (Regular) During 2023-2024

NAME	DESIGNATION	DOJ	
Shailesh Bindal	Associate Vice President (PCD) & Head (BME)	06.12.2023	
Deepak Bhatia	Deputy Vice President (HR & Admin)	17.11.2023	
Gyanendra Singh	Manager (CS)	11.10.2023	

List of Superannuated Employees During 2023-2024

NAME	DESIGNATION	DOR	
RENGIT G	Associate Vice President (PCD)	31.03.2024	
S D Mistri	Deputy Vice President (FMD)	31.03.2024	
Ms. PADMAKUMARI S	SG - 1	02.01.2024	

PURVEYOR OF CARE:
A VERSE ON INDIAN HEALTHCARE"

In India's vast and varied land, Where dreams and struggles often stand,
There lies a tale of healthcare's plight, A challenge faced both day and night.

In bustling cities, hospitals gleam, Yet shadows linger, a stark regime,
For many, access is but a dream, In rural corners, distant it seems.

Doctors toil with hearts so kind, But resources scarce, burdens bind,
Patients wait with hopes confined, In queues that stretch, time unkind.

From Himalayan peaks to southern shores, Healthcare inequity starkly roars,
In villages where poverty soars, A broken system, its flaws implore.

Yet amidst the challenges, a spirit prevails, In makeshift clinics and health trails,
Volunteers brave, determination sails, Fighting for health, where justice trails.

Let us strive for change, with every breath, To bridge the gap, to defy death,
In the tapestry of our nation's health, May compassion reign, bringing wealth.

For health is not a privilege, but a right, To shine a beacon, dispelling night,
In every village, in every site, Let healthcare bloom, in India's light.

At HITES let's stand together, hand in hand,
To build a future where all can withstand,
In the journey towards wellness, let's pave the way,
For healthcare facilities in India to flourish and stay.

Harika Singh, Sr. Manager (PCD)

CREATING TOMORROW'S LANDMARK

In every brick laid and wire interwind,
Lies the promise of a future defined.

In its steel and in its concrete,
Lies the foundation of dreams complete.

Infrastructure, a testament to human endeavor,
Acts as a catalyst for economic growth.

Lifeline of our modern society,
To unlock opportunities to build better future.

Define our world where dreams bloom,
Shaping how we feel.

Fosters connectivity and accessibility,
To guide us a sustaining society.

Need a proper planning and vision,
With every step forward

We'll unlock the future,
Where dreams and reality collide.

Aswathy A J (Site Engineer)

SCENIC ROUTES TO SERENITY

Roads wind like arteries, pulsing with life,
Beneath the Sun's relentless strife.

Roads connect, paths intersect,
Guiding us to destinations unchecked.

Paved smooth highways, no delays
Ease our travels, lessen our strain.

In winding paths where shadow play,
The roads unfurl a whistle of valley

Underneath the scorching sun
Bitumen holds, where journey begun

Through seasons harsh, it endures,
Resilient against natures lures.

Let's embrace the roads we roam
For they lead us to our home.

With each mile a story unfolds
As the road ahead beckons bold.

Aswathy Suresh L (GAT)

हाइट्स ने किया जीवन को सार्थक

अपने जीवन के स्वर्णिम ये पल, अर्पित करे हैं हमने हर क्षण
वर्ष 10 नहीं होते है कम, जो हमने है किए समर्पण
पहला कदम बने हों तुम, मेरे जीवन की उन्नति पथ पर
शिक्षा को कर पूर्ण तुमसे ही, सीखा प्रगति का हर इक अर्थ
अर्थ समझ कर ही शिक्षा का तुमने मुझ को अर्थ दिया है
चिकित्सा की हर महत्त्वत्ता को तुमने ही तो पूर्ण किया है ।
तुमने पहुंचाए उपकरण हैं इस प्रगतिशील भारत के हर कोने में
किया नाम को है सार्थक, पहुंचा कर बुलंदियों के समीकरण में
चिकित्सा रूपी माध्यम से, प्रयास तुम्हारा बचाना है जन जीवन
ऐसे प्रयास करें हम सब, हाइट्स बन जाये इतना संपन्न
नाम ही नही काम भी है तुम्हारा, सदा आगे ही बढ़ते रहना
समय कैसा भी आया हो, या फिर कभी इसे हो आना
तुम पर आश्रित रह कर करते, हम सब अपना जीवन यापन
तुमसे है अस्तित्व हमारा, तुम पर ही प्रारंभ छुपा है
कोविड की परिस्थितियों में भी, तुमने अपना संपूर्ण दिया है
सभी करे हम जीवन यापन, करे सभी हम मिल कर वंदन
सदा प्रगति पर रहे हमारा हाइट्स, करता रहे खुशियों का अभिनंदन
मनाते रहे सभी हम उत्सव, करें यही दुआ अब हम सब
रहे तुम्हारा अस्तित्व हमेशा, कभी नहीं टूटे बस ये अब
करे प्रयास, सभी कर्मचारी, मिलकर तुम्हे बुलंदियों में ले जाने का
प्रयास रत रहेंगे हम सब, जब तक धरा में है ये जीवन,
जब तक धरा में है ये जीवन ।

पूजा पाहवा
वरिष्ठ प्रबंधक (वित्त)

हाइट्स कार्यालयों के राजभाषा कार्यान्वयन संबंधी मुख्य उपलब्धियांः एक झलक

नगर राजभाषा कार्यान्वयन समिति (उपक्रम) दृ तिरुवनंतपुरम (TOLIC) के अधीन आनेवाली 15 कंपनियों में से हाइट्स–क्षेत्रीय कार्यालय तिरुवनंतपुरम को हिंदी कार्यान्वयन के क्षेत्र में वर्ष 2022–23 के दौरान उत्कृष्ट कार्य करने केलिए तीसरा स्थान प्राप्त हुआ।

नगर राजभाषा कार्यान्वयन समिति (उपक्रम) दृ तिरुवनंतपुरम (TOLIC) के अधीन आनेवाली 15 कंपनियों में से हाइट्स–क्षेत्रीय कार्यालय तिरुवनंतपुरम को हिंदी कार्यान्वयन के क्षेत्र में वर्ष 2022–23 के दौरान उत्कृष्ट कार्य करने केलिए तीसरा स्थान प्राप्त हुआ।

हाइट्स क्षेत्रीय कार्यालय तिरुवनंतपुरम के 10 अधिकारियों ने केंद्रीय हिंदी प्रशिक्षण संस्थान, राजभाषा विभाग, भारत सरकार द्वारा आयोजित हिंदी "पारंगत" पाठ्यक्रम का अध्ययन किया और उच्च अंक प्राप्त करके उत्तीर्ण हुए।

हाइट्स क्षेत्रीय कार्यालय तिरुवनंतपुरम के मुख्य श्री के जे श्रीकुमार, उपाध्यक्ष ने स्वयं "पारंगत" पाठ्यक्रम का अध्ययन करके अपने अधीनस्थों को प्रेरित किया।

श्री के जे श्रीकुमार, उपाध्यक्ष ने नगर राजभाषा कार्यान्वयन समिति (उपक्रम) दृ तिरुवनंतपुरम (TOLIC) के अधीन आनेवाली 15 कंपनियों में से पारंगत परीक्षा में उच्चतम अंक प्राप्त करके प्रथम पुरस्कार के हकदार बने।

हाइट्स नोएडा के श्री चंद्रकांत श्रीवास्तव, वरिष्ठ लेखा अधिकारी ने नगर राजभाषा कार्यान्वयन समिति (उपक्रम)– नोएडा द्वारा आयोजित चित्र स्मरण प्रतियोगिता में तीसरा पुरस्कार हाज़िल किया।

हिंदी भाषा के महत्व के संबंध में भारत के महान व्यक्तियों द्वारा उद्धृत वाक्य

"राष्ट्रीय व्यवहार में हिंदी को काम में लाना देश की उन्नति केलिए आवश्यक है"।

महात्मा गांधी

"भारतीय भाषाएं नदियां हैं और हिंदी महानदी"।

रवींद्रनाथ ठाकुर

"मैं दुनिया की सभी भाषाओं की इज्जत करता हूं पर मेरे देश में हिंदी की इज्जत न हो, यह मैं सह नहीं सकता"।

आचार्य विनोबा भावे

"प्रांतीय ईर्ष्या–द्वेष को दूर करने में जितनी सहायता इस हिंदी प्रचार से मिलेगी, उतनी दूसरी किसी चीज़ से नहीं मिल सकती"।

सुभाषचंद्र बोस

"हिंदी भाषा एक ऐसी सार्वजनिक भाषा है, जिसे बिना भेद–भाव प्रत्येक भारतीय ग्रहण कर सकता है"।

मदन मोहन मालवीय

"हिंदी द्वारा सारे भारत को एक सूत्र में पिरोया जा सकता है"।

स्वामी दयानंद

किसी राष्ट्र की राजभाषा वही भाषा हो सकती है जिसे उसके अधिकाधिक निवासी समझ सकें"।

आचार्य चतुरसेन शास्त्री

"हिंदी हमारे राष्ट्र की अभिव्यक्ति का सरलतम स्रोत है"।

सुमित्रानंदन पंत

"आप जिस तरह बोलते हैं, बातचीत करते हैं, उसी तरह लिखा भी कीजिए। भाषा बनावटी नहीं होनी चाहिए"।

महावीर प्रसाद द्विवेदी

स्वास्थ्य क्षेत्र में कृत्रिम बुद्धिमत्ता

आर्टिफिशियल इंटेलिजेंस (एआई) स्वास्थ्य सेवा उद्योग के संचालन के तरीके को बदल रहा है, जिससे नियमित कार्यों से लेकर डेटा प्रबंधन और दवा निर्माण तक हर चीज को बेहतर बनाने में मदद मिल रही है। स्वास्थ्य सेवा उद्योग हमेशा विकसित हो रहा है और सुधार के तरीकों की तलाश कर रहा है, इसलिए इसमें कोई आश्चर्य की बात नहीं है कि स्वास्थ्य सेवा प्रदाता और व्यवसाय ऑनबोर्ड मशीन लर्निंग और एआई ले रहे हैं। यहां हम स्वास्थ्य देखभाल में एआई के फायदे के साथ-साथ नुकसान का भी पता लगाएंगे।

• स्वास्थ्य देखभाल में कृत्रिम बुद्धिमत्ता क्या है?

स्वास्थ्य सेवा में मशीन लर्निंग और एआई चिकित्सा पेशेवरों को डेटा-संचालित सहायता प्रदान कर सकते हैं। एल्गोरिदम और डेटा का उपयोग करके, ये प्रौद्योगिकियां पैटर्न की पहचान कर सकती हैं और स्वचालित अंतर्दृष्टि प्रदान कर सकती हैं जो स्वास्थ्य निगरानी, चिकित्सा रिकॉर्ड प्रबंधित करने, उपचार डिजाइन और यहां तक कि डिजिटल परामर्श जैसे सामान्य अनुप्रयोगों में मदद करती हैं।

जबकि स्वास्थ्य देखभाल में एआई के कई स्पष्ट लाभ हैं, कुछ लोग चिकित्सा में एल्गोरिदम और डेटा-संचालित प्रौद्योगिकी पर भरोसा करने के वित्तीय और नैदानिक निहितार्थों के पेशेवरों और विपक्षों पर बहस करते हैं। बहस के दोनों पक्षों का पता लगाने के लिए, हमने स्वास्थ्य देखभाल में कृत्रिम बुद्धिमत्ता के वर्तमान फायदे और नुकसान को एक साथ रखा है।

• स्वास्थ्य सेवा में एआई के लाभ

स्वास्थ्य देखभाल या चिकित्सा में एआई के कुछ लाभों में शामिल हैं:

डेटा का विश्लेषण करने और निदान में सुधार करने की क्षमताः एआई-सुसज्जित तकनीक किसी भी इंसान की तुलना में बहुत तेजी से डेटा का विश्लेषण कर सकती है, जिसमें नैदानिक अध्ययन, चिकित्सा रिकॉर्ड और आनुवंशिक जानकारी शामिल है जो चिकित्सा पेशेवरों को निदान करने में मदद कर सकती है।

प्रशासनिक और नियमित कार्यों को पूरा करनाः ।॰ कई नियमित कार्यों को स्वचालित कर सकता है, जैसे रिकॉर्ड बनाए रखना, डेटा प्रविष्टि और स्कैन विश्लेषण। प्रशासनिक कार्यों पर कम समय खर्च होने से, चिकित्सा पेशेवर रोगी देखभाल पर अधिक ध्यान केंद्रित कर सकते हैं।

स्वास्थ्य निगरानी और डिजिटल परामर्शः ऐप्पल वॉच और फिटबिट जैसी पहनने योग्य स्वास्थ्य तकनीक से लेकर आपके स्मार्टफोन के माध्यम से डिजिटल परामर्श तक, एआई लोगों को अपने स्वयं के स्वास्थ्य की निगरानी करने की अनुमति दे सकता है, साथ ही स्वास्थ्य पेशेवरों को आवश्यक डेटा भी प्रदान कर सकता है।

• स्वास्थ्य सेवा में कृत्रिम बुद्धिमत्ता के नुकसान

स्वास्थ्य देखभाल या चिकित्सा में एआई के कुछ नुकसानों में शामिल हैं:
प्रशिक्षण जटिलताएँः एआई तकनीक को अपेक्षित प्रदर्शन के लिए क्यूरेटेड डेटा सेट के साथ बड़े पैमाने पर प्रशिक्षित करने की आवश्यकता है। हालाँकि, गोपनीयता संबंधी चिंताओं के कारण, एआई लर्निंग को आवश्यक जानकारी की व्यापकता और गहराई प्रदान करने के लिए आवश्यक कुछ डेटा तक पहुँचना मुश्किल हो सकता है।

परिवर्तन कठिन हो सकता हैः किसी भी उद्योग में परिवर्तन चुनौतीपूर्ण साबित हो सकता है। चूंकि स्वास्थ्य देखभाल उद्योग रोगी देखभाल के लिए महत्वपूर्ण है, इसलिए चिकित्सा समुदाय को इस बात का सबूत चाहिए कि एआई प्रभावी होगा, साथ ही निवेशकों को यह दिखाने की योजना भी है कि यह लागत के लायक होगा। एआई तकनीक के साथ काम करने वाले प्रत्येक व्यक्ति को इस तकनीक की समझ होनी चाहिए और यह उन्हें दिन-प्रतिदिन के कार्यों में कैसे सहायता कर सकती है।

• एआई का उपयोग स्वास्थ्य देखभाल में कैसे किया जा सकता है?

स्वास्थ्य देखभाल में एआई के कई अनुप्रयोग हैं। कुछ का अभी तक व्यापक रूप से उपयोग नहीं किया गया है, लेकिन जैसे-जैसे उद्योग तकनीकी प्रगति को अपना रहा है, हम आने वाले वर्षों में एआई को स्वास्थ्य सेवा में और भी अधिक एकीकृत होते देखेंगे। कुछ उदाहरणों में शामिल हैं:
मेडिकल रिकॉर्ड का प्रबंधन करनाः एआई मेडिकल रिकॉर्ड सहित महत्वपूर्ण डेटा एकत्र करने, संग्रहीत करने और विश्लेषण करने में मदद कर सकता है। इससे चिकित्सा पेशेवरों को उनकी ज़रूरत के डेटा तक तेज़ी से पहुंचने में मदद मिल सकती है और इसलिए वे अधिक प्रभावी ढंग से काम कर सकते हैं।
उपचार योजनाएँः किसी मरीज के रिकॉर्ड, नैदानिक अनुसंधान और विशेषज्ञता का विश्लेषण करके, एआई एक मरीज के लिए उपचार का सर्वोत्तम तरीका निर्धारित करने में मदद कर सकता है, और एक अनुरूप और लक्षित उपचार खोजने में चिकित्सा पेशेवरों की सहायता कर सकता है।
औषध निर्माणः एआई डेटा और मौजूदा दवाओं का विश्लेषण करके नई दवाओं के निर्माण में योगदान दे सकता है। नई दवाएँ विकसित करना महंगा है और इसमें अक्सर वर्षों लग जाते हैं। हालाँकि, ।॰ चिकित्सा के इस क्षेत्र में लागत में कटौती करने और दवा निर्माण में तेजी लाने में मदद कर सकता है।

• चिकित्सा के भविष्य में कृत्रिम बुद्धिमत्ता क्या भूमिका निभाएगी?

एआई हेल्थकेयर बाजार का मूल्य एक अरब डॉलर का उद्योग माना जाता है। हर दिन तेजी से हो रही तकनीकी प्रगति के साथ, ।॰ बढ़ी हुई गति से बढ़ रहा है।
एआई डिजिटल युग के दौरान बनाई गई क्रांतिकारी तकनीक है जिसमें चिकित्सकों और रोगियों की सहायता के लिए प्रॉस्पेक्ट्स है।
चिकित्सा उद्योग के भीतर एआई तकनीक द्वारा पेश किए गए समाधान मरीजों को स्वास्थ्य देखभाल प्रदान करते समय पहले से ही अधिक कुशल और प्रभावी साबित हुए हैं।
इसलिए, यह उम्मीद की जाती है कि आने वाले वर्षों में एआई उद्योग बढ़ता रहेगा और स्वास्थ्य देखभाल प्रणाली का समर्थन करेगा।

नेहा बंसल (प्रबंधक बी.एम.ई)

PROJECT STATISTICS
MAJOR WORKS COMPLETED

Sl no	Project	Cost (Rs. Cr)
1	750 Bed AIIMS at Gorakhpur, U.P	1011
2	750 Bed AIIMS at Bathinda, Punjab	925
3	750 Bed AIIMS Guwahati, Assam*	1123
4	JIPMER Phase I & II, Puducherry	518
5	ESIC Hospital, Paripalli, Kerala	480
6	801 Bed Pediatric Cardiac Hospital Building and Hostel Block at UNMICRC, Ahmedabad	307
7	JIPMER, Puducherry (Phase III)	238
8	300 Bed Teaching Hospital and Medical College at Konni, Kerala	167
9	Tata Memorial Centre, Mumbai (Phase I&II)	150
10	198 Bed Upgradation of 120 Bed JNMC, Aligarh, U.P	110
11	441 Bed Upgradation of Salem Medical College, Tamil Nadu	103
12	203 Bed Upgradation of Bangalore Medical College, Karnataka	100
13	253 Bed Upgradation of Trivandrum Medical College, Kerala	100
14	Upgradation of G.S.V.M Medical College, Kanpur, U.P	100
15	100 Bed Hospital at Najafgarh, New Delhi	100
16	Sarojini Naidu Medical College, Agra, U.P*	88
17	330 Bed Super Specialty Hospital in Tiruneveli Medical College, TN	84
18	Mother and Child Hospitals, Chitrakoot, U.P	82
19	Upgradation of Thanjavur Medical College, Tamil Nadu	80
20	Upgradation of Medical College, Madurai, Tamil Nadu	80
21	Karnataka Institute of Medical Sciences, Hubli, Karnataka	75
22	Government Medical College, Rajkot, Gujarat	69
23	Mother and Child Hospital, Amethi, U.P	68

*Substantial

Note : No cost overrun in any project

MAJOR ONGOING PROJECTS (INFRASTRUCTURE)

S.No	Name of Projects	Cost (In Crs.)
1.	AIIMS Rewari, Haryana	1374
2.	AIIMS Bibinagar, Telangana	1058
3.	Government Medical College, Sirsa, Haryana	1018
4.	Construction of GMC & Hospital at Alibaghand Nandurbar, Maharashtra	939
5.	Implementation of Disaster Management related works, Maharashtra	792
6.	PGI Satellite Centres at Una & Ferozepur	512
7.	Institute of Organ Transplant, Kozhikode, Kerala	500
8.	Construction of Medical College at ABVIMS & RML Hospital, New Delhi	473
9.	Mother & Child Block at PGI Chandigarh	162
10.	Medical Hospital at Konni, Kerala	199
11.	CBRN Centre at Chennai, Tamil Nadu & New Delhi	140
12.	Other Projects (Pan India)	3235
	GRAND TOTAL	10402

HITES CELEBRATED ITS 10TH FOUNDATION DAY 2023

Celebration

HITES Celebrated its 10th Foundation Day on 03rd April 2023 at Corporate office, Noida. The evening was graced by Dr. Geeta Sharma, Director (Finance); Shri Devender Pratap Singh, CEO HITES, and other senior officials of HITES.

Hon'ble Director, Dr. Geeta Sharma appreciated HITES excellent contribution towards nation's growth highlighting company's achievement and business performance, particularly in recent years. The event was also marked by facilitation of HITES Employees for their Achievements.

A TREE PLANTATION DRIVE WAS ORGANIZED BY HITES ON WORLD ENVIRONMENT DAY ON 05TH JUNE 2023. DURING THE EVENT THE PLANTATION OF MANY SAPLINGS WERE DONE BY CEO AND OTHER SENIOR OFFICIALS OF HITES.

Celebration

HITES CELEBRATED INDEPENDENCE DAY AT ITS CORPORATE OFFICE, NOIDA

Celebration

HITES Celebrated the 76th Independence Day at its corporate office with much ardour and patriotism. The celebration of freedom commenced with unfurling of the national Tricolour by CEO, HITES Shri. D.P Singh followed by the national anthem.

HITES CELEBRATED ONAM AT ITS ZONAL OFFICE, THIRUANANTHAPURAM

Celebration

MOODS CUP CRICKET TOURNAMENT AT THIRUVANANTHAPURAM

Competition

Celebration

HITES CELEBRATED DIWALI 2023 AT ITS CORPORATE OFFICE, NOIDA

Celebration

HITES CELEBRATED NEW YEAR 2024 AT ITS CORPORATE OFFICE, NOIDA

Celebration

HITES CELEBRATED REPUBLIC DAY AT ITS CORPORATE OFFICE, NOIDA

Celebration

HITES WITH RICPL ORGANIZED 53RD NATIONAL SAFETY DAY AT PGIMER SATELLITE CENTRE

Celebration

HITES CELEBRATED INTERNATIONAL WOMENS DAY 2024

Celebration

HITES Celebrated International Women's Day on 08th March 2024 at Corporate Office Noida. Dr. Geeta Sharma, Director (Finance) graced the occasion. HITES believe in Gender Diversity and contributions made by female employees towards its growth.

Celebration

HITES ORGANISED POSTER MAKING COMPITION ON ROAD SAFETY ON THE OCCASION OF HINDI DIWAS AT ITS CORPORATE OFFICE, NOIDA

HITES ORGANISED MEDICAL CHECK-UP CAMP AT ITS CORPORATE OFFICE, NOIDA

Medical Camp

HITES CONDUCTED FIRE SAFETY TRAINING AT ITS CORPORATE OFFICE, NOIDA

Training

WINGS CUP FOOTBALL TOURNAMENT

Competition

HITES CHO United FC Becomes The Champions of Wings Cup Football Tournament Held On 19. 3.24 at Thiruvananthapuram under the Captainship of Pradeep M, (DGM HITES).

INFRASTRUCTURE DEVELOPMENT DIVISION

EXECUTING AGENCY OF MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA

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