





Pradhan Mantri Awas Yojana - Urban

E-Newsletter

Issue 64: May 26th, 2022

Narendra Modi

Prime Minister

In the august presence of

Hardeep Singh Puri Union Minister for Petroleum and Natural Gas, Housing and Urban Affairs

Basavaraj S. Bommai Chief Minister, Karnataka

Y. S. Jagan Mohan Reddy Chief Minister, Andhra Pradesh

General (Dr.) V. K. Singh (Retd.)

Union MoS for Road Transport & Highways and Civil Aviation



Hon'ble Prime Minister inaugurates Light House Project Chennai, Tamil Nadu, dedicates 1,152 houses to beneficiaries

Hon'ble Prime Minister Shri Narendra Modi inaugurated Light House Project (LHP) in Chennai, Tamil Nadu on Thursday (26th May 2022), under Global Housing Technology Challenge-India (GHTC-India) ambit of Pradhan Mantri Awas Yojana (Urban). The event was held at JLN Indoor Stadium in Chennai, wherein Hon'ble Prime Minister dedicated to the nation and laid the foundation stone of 11 projects worth over ₹ 31,500 crore. Hon'ble Governor of Tamil Nadu Shri RN Ravi and Hon'ble Chief Minister of Tamil Nadu Shri MK Stalin were also present on the occasion.

While inaugurating the LHP, Hon'ble Prime Minister said, "I congratulate all those getting a house under the historic Light House Project at Chennai under the Pradhan Mantri Awas Yojana. It was a very satisfying project for us. We had started a global challenge to get the best practices involved in making homes that are affordable, durable and environmentally friendly. In record time, the first such LHP has been realised and I am glad it is in Chennai."



PMAY(U) PROGRESS



@PMAYUrban

Houses Grounded 100 Lakh



Houses Completed 60 Lakh





Central Assistance Committed ₹ 2.03 Lakh Cr



Central Assistance Released ₹ 1.18 Lakh Cr





A total of 1,152 flats built with modern infrastructure were dedicated to the families, thus fulfilling their housing needs. Some beneficiaries of LHP Chennai were also present on the occasion and five among them were given the keys to their houses by Hon'ble Prime Minister.

LHP Chennai is the first one to be completed among the other projects located at Indore (Madhya Pradesh), Rajkot (Gujarat), Ranchi (Jharkhand), Agartala (Tripura) and Lucknow (Uttar Pradesh). The 1,152 houses at LHP Chennai are spread across 12 towers and 6 floors with basic infrastructure such as internal water supply, sewer lines, internal electrification, internal roads, lifts, LED Street lights, solar streetlight system, sewerage treatment plant, rainwater harvesting, etc., in place. It also comprises of anganwadi, shops, milk booth and library for the ease of families living inside the premises.

With the use of Precast Concrete Construction System-Precast Components Assembled at Site technology, which originated from Finland and the USA, LHP Chennai was completed in record 12 months time.

The foundation stone of six LHPs were laid by Hon'ble Prime Minister on 1st January 2021. LHPs are model housing projects constructed using shortlisted proven technologies under GHTC-India. During the foundation laying ceremony of LHPs, Hon'ble Prime Minister cited the housing project as "lighthouses showing a new direction to the housing sector in the country."





Hon'ble Chief Minister of Madhya Pradesh transfers ₹750 crore to accounts of more than 80,000 PMAY-U beneficiaries







On 17th May 2022, Hon'ble Chief Minister of Madhya Pradesh Shri Shivraj Singh Chouhan transferred ₹ 750 crore to the accounts of more than 80,000 beneficiaries of Pradhan Mantri Awas Yojana (Urban) under "Mission Nagrodaya" programme in the State through a single click. Hon'ble Chief Minister also virtually attended the 'grih pravesh' functions of 25,000 new houses and witnessed 'bhoomi pujan' for construction of 30,000 newly approved houses under PMAY-U.

Hon'ble Minister of Urban Development and Housing of Madhya Pradesh Bhupendra Singh, Hon'ble State Minister of Urban Development and Housing Shri OPS Bhadoria, Principal Secretary, Urban Development and Housing, Shri Manish Singh, OSD-cum-Commissioner, Urban Development & Housing Shri Nikunj Srivastava and Additional Commissioner & Mission Director Urban Administration and Development, Bhopal, Shri Satendra Singh also graced the occasion. Other noted dignitaries, public representatives and PMAY-U beneficiaries were also present.



Message from JS&MD (HFA) Shri Kuldip Narayan

In the month of May, the PMAY-U Mission witnessed two important milestones. Firstly, the Light House Project in Chennai was dedicated to the Nation by the Hon'ble Prime Minister, thus fulfilling the housing needs of more than a thousand families who were living in slums. This achievement was possible with the coming together of all stakeholders who contributed in making the project a successful one. Terming the project as 'historic', it was rightly put by the Hon'ble Prime Minister that it had been a "very satisfying project for us."

The second milestone that we achieved was of the grounding of more than a crore houses under PMAY-U. Yes, 1 crore+ houses have been grounded for construction to provide the dream homes of the beneficiaries at the earliest. The effective strategies taken by the Government and the constant reformative measures adopted by the States/UTs have played a significant role in the successful implementation of PMAY-U all these years.

In the past month, many of us also travelled across different regions of the country to review the implementation of PMAY-U. During the visits, we met different PMAY-U beneficiaries who shared their life-transforming experiences after getting a pucca house. Trust me when I say the smiles on their faces & their inspirational journey filled our hearts with pride as well as gratitude. These stories add to our commitment towards the Nation of providing dignified living to people.

On 25th June 2022, Pradhan Mantri Awas Yojana-Urban will complete 7 glorious years of its implementation. A journey full of challenges, success & milestones. It has been a constant endeavour to work for the people so that maximum benefits reach the beneficiaries.

PMAY-U is not just about giving pucca houses for people, but also of helping build the Nation – a New India.



A meeting to review progress of Light House Projects (LHPs) was held on 12th May 2022 under the chairmanship of Shri Manoj Joshi, Secretary, Ministry of Housing and Urban Affairs (MoHUA). Shri RK Gautam, Director, Housing for All, MoHUA, was also present at the meeting, along with other Ministry and Building Materials and Technology Promotion Council (BMTPC) officials. Representatives of six construction agencies of LHPs joined the meeting via online mode.

At the outset, a presentation on the ongoing activities at the six LHP sites, namely Chennai (Tamil Nadu), Rajkot (Gujarat), Indore (Madhya Pradesh), Lucknow (Uttar Pradesh), Agartala (Tripura) and Ranchi (Jharkhand) was made. Subsequently, state-wise presentations, progress of LHPs were reviewed in detail by Secretary, MoHUA.

Secretary, MoHUA evaluated state-wise progress with officials and discussed issues pertaining to construction activities. Apart from Chennai, other construction agencies were asked to expedite construction work on the five sites to provide maximum benefits to beneficiaries at earliest.

Shri Kuldip Narayan, JS&MD, HFA, reviews progress of PMAY-U in Karnataka

On 27th April 2022, Shri Kuldip Narayan, Joint Secretary & Mission Director (JS&MD), Housing For All, along with Shri Suvasish Das, Director, HFA, MoHUA and other Ministry, State Government officials visited Mysuru, Karnataka to review the progress of ongoing projects of the Mission in the State. Shri Narayan also interacted with PMAY-U beneficiaries to know about their life transforming experiences after getting a pucca house with all basic amenities under the Mission.



Shri Suvasish Das, Director, HFA, visits West Bengal to review implementation of PMAY-U in State



Shri Suvasish Das, Director, HFA, MoHUA, visited Madhyagram & Bansberia Municipalities in West Bengal on 11th May 2022 to review implementation of PMAY-U in State. He also visited houses of PMAY-U beneficiaries to interact with the families and understand the onground status.



Meanwhile, team members of Project Monitoring Unit (PMU) visited and reviewed the various projects in different States across the country. Review of BLC and AHP projects at various cities in Andhra Pradesh, Bihar, Chhattisgarh, Odisha, Rajasthan, Uttar Pradesh was done. The team also interacted with the beneficiaries and their families who got their own pucca house under the Mission with all basic amenities.

Review work at Light House Project sites in Ranchi (Jharkhand) and Chennai (Tamil Nadu) was also taken up. Another team reviewed Affordable Rental Housing Complexes (ARHCS) projects of Chennai and Sriperumbudur in Tamil Nadu.

RACHNA initiative of MoHUA off to a flying start, workshops being held across India



RACHNA - Resilient, Affordable, Comfortable Housing with National Action - has been introduced by MoHUA in collaboration with BMTPC and GIZ with the purpose to host 75 training events under the Global Housing Technology Challenge-India and Azadi Ka Amrit Mahotsav (AKAM) for the construction building Sector stakeholders and Technograhis.

The first programme under the series was hosted in Ranchi (Jharkhand), followed by a 2-day event in New Delhi which was chaired by Shri Kuldip Narayan, Joint Secretary & Mission Director, Housing for All. In the same series, another 2-day awareness programme was organized at the Faculty of Architecture and Planning, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow on the 21st and 22nd of April 2022 on Innovative Construction Technologies and Thermal Comfort for Affordable Housing. The event was endorsed by the expert trainers from Climate Smart Buildings (CSB) Cell – North Cluster, GIZ, and officials from BMTPC as the panellists.











Dr. Vandana Sehgal, Dean & Principal AKTU, delivered the welcome address while Shri Munish Nassa from BMTPC in his keynote speech elaborated on innovative construction technologies being used at 6 LHPs. The domain specialists covered various aspects of thermal comfort, including Eco Niwas Samhita, and the ENS Compliance tool. On the second day of the workshop, Technograhis were given a small design challenge to exercise their learnings.

Meanwhile, a vocational training was hosted in Indore on 27th April 2022. The day-long event evoked great response from over 70 participants, comprising primarily of construction field workers from Indore Municipal Corporation and different construction agencies. The training session was organised to disseminate about Prefabricated Sandwich Panel Technology being used at LHP Indore to upskill their expertise. The session was followed up by a visit to the construction site, where the participants were given practical knowledge of the technology and its onsite implementation and applications.

Another training programme in the series was organised on 10th May 2022 in Ahmedabad. Many Government officers from the Ahmedabad Municipal Corporation and nearby regions, including ULBs, UDDS, GEDA, GUDA attended the event, which was graced by the presence of Shri Bipin Talati, Joint Secretary, Climate Change Department, Government of Gujarat. The programme focussed on

innovative construction technology & thermal comfort in affordable housing.

Subsequently, RACHNA events were held in Rajkot and Bengaluru on 12th May and 16th May 2022, respectively. In Rajkot, Thermal Comfort in Affordable Housing & Light House Project Technologies with respect to conventional methods, how Monolithic Tunnel Formwork Technology used at LHP Rajkot is beneficial was explained to participants. The session was attended by Government officials, Building Construction & Architect Professionals & Technograhis. In Bengaluru, an awareness session was organised for architecture students of Reva University to create awareness about the need for thermal comfort in affordable housing sector and passive strategies with intent to encourage them to include no-cost or low-cost strategies in their future projects.

A 2-day training program was also organised under RACHNA on 17th and 18th May 2022 at Light House Project Rajkot. The event focused on making construction workers aware of Monolithic Tunnel Formwork Technology to upskill their expertise. Engineers, masons & construction field workers from LHP site and Rajkot Municipal Corporation attended the training.

At the same time, an awareness programme was parallelly hosted in Indore for students of School of Architecture, IPS Academy on the theme of Thermal Comfort in Affordable Housing.

Expert Group Consultation meeting of Design Standard for Thermal Comfort & Action Plan





1st Expert Group Consultation meeting for the development of Design Standard for Thermal Comfort & Action Plan was held on 6th May 2022 in coordination with MoHUA and BMTPC. The expert consultation aims to get the industry perspective on the development of Design Standard for thermally comfortable and affordable homes. The meeting outlined need to enhance thermal comfort in homes while maintaining affordability.

The programme seeks to develop the thermal comfort action plan, guideline, and standards to enhance the thermal comfort of occupants in affordable housing in India. The vision is to achieve thermally comfortable, resilient, and affordable homes through passive design measures, locally available and low embodied energy material coupled with best available technologies in constructions.

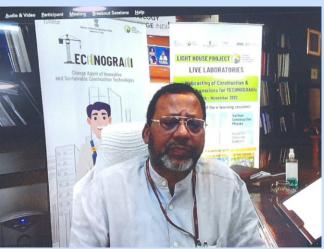
Webinars on e-Learning and webcasting of Light House Projects

MoHUA is hosting series of 'e-Learning sessions and webcasting of LHP construction process' webinar to widespread the knowledge about the technologies, construction processes, sustainability, and mass-cum-fast construction to Technograhis. The main purpose is to create awareness of the different technologies used in the construction of LHPs through technical session and webcasting of work at site.

So far, eight sessions at the LHP sites have been hosted by MoHUA in collaboration with BMTPC and GIZ. In the series, highlights of the housing project, undertaken initiatives & how construction work is progressing are being explained to the participants. Showcasing the live progress of LHP sites also remains the highlight of the sessions. The webinar is serving as learning platform for all stakeholders interested in learning about innovative construction technologies.

The webinars are chaired by Shri Kuldip Narayan, JS&MD, HFA while detailed technical sessions are taken up by experts of BMTPC. The recent session of this webinar was hosted on 18th May 2022. Shri Shailesh Agarwal, Executive Director, BMTPC began the webinar with a presentation for Technograhis, highlights about the housing project, initiatives undertaken and how construction work is progressing were explained. Live progress of LHP Indore was also shown in this session.





PMAY-U providing sense of safety & security to the beneficiaries

Pradhan Mantri Awas Yojana (Urban) has been transforming lives of millions of families across the country by providing them access to a pucca house. A proper place of shelter is the basic right of every human being and PMAY-U caters to the housing needs of eligible beneficiaries of urban India.

With an asset such as a house, a family undergoes massive transformation, especially the woman gets an enhanced sense of safety, more active role in household decision-making and also financial security. PMAY-U echoes the ethos of women empowerment. The houses constructed or acquired under the Mission are in the name of the female head of the household or in joint name. Every house built under the Mission ensures dignity of living with access to basic civic amenities. Here are life transforming experience of some beneficiaries from Assam:

Smt Halima Begum

"Moi ei ghoror swatvadhikari aru eituye muk oti anondito kore (I am the owner of the house and the feeling is great)", expresses Smt Halima Begum, a resident of Jorhat district of Assam. She is a Pradhan Mantri Awas Yojana (Urban) beneficiary who got her pucca house built in her sixties. She is an inspiration for people who know her for her resilience and the hard work she is doing at this age to run her family. She lives with her daughter-in-law in their pucca house. Smt Halima Begum's husband died five years ago and unfortunately, her son also passed away two years ago.

For most years of her life, Smt Halima Begum lived in a kutcha house and faced hardships. But since she got a pucca house, life has become much better, she says. "Now there is no tension about our safety and security. I am more relaxed about my



daughter-in-law's future. The betel nut shop I own is adjacent to the house and there is better income now," she explains. Smt Halima Begum also added that they have undergone an immense change in their lives due to their pucca house.

Smt Mangalti Sangma



For Smt Mangalti Sangma of Assam's Kajalgaon, PMAY-U came as a ray of hope which transformed their otherwise distressed life. The family lived in a kutcha house which had no basic amenities. Her kids were growing up and found it difficult to study in their home. Smt Sangma and her husband own a small roadside eateryand the mounting expenses made it difficult for them to make ends meet. As the couple was looking out for ways to provide their children with better living options, they learnt about PMAY-U and subsequently, in 2020 their house was constructed with the funds received under the Mission.

"Nijor ghorkhon pai moi mur jibanat sukhi anubhab karisu (I feel happy to have my own home)," is what Smt Sangma says, adding, "Our status has improved in the society and among the relatives too." She is particularly happy for her kids who have now got a separate room for themselves to study and are determined to make a name for themselves in future. She further adds that due to the pucca house their extra expenses on regular repairing of kutcha house have gone down due to which they are able to save more.

Smt Mithu Sharma

Another beneficiary from Assam, Smt Mithu Sharma, who hails from Mahur, is also leading a dignified life after getting a pucca house under PMAY-U. She is a single mother raising her three children – a daughter and two sons. While her daughter is now married, her sons live with her. Smt Sharma defines her pucca house as "God's blessings". They lived in a house

Sharma defines her pucca house as dours blessings. They hveu in a house

shielded by bamboo and tin roof. However, during extreme weather conditions, they found it difficult to stay in the house. It added to the woes of the family, especially for her younger son, who is physically disabled.

"As an anganwadi worker, I knew my financial limitations. Hence, when I got to know about PMAY-U, I immediately applied for the Scheme. I wanted my sons to lead a life without any difficulty unlike me and a pucca house with all civic services was the solution to most of our problems. I can leave my sons at home without any tension. The house protects us, has all facilities and most importantly, it gives me a sense of ownership," Smt Sharma said.

"Mur ghorkhone mur jibanar sabatokoi dangor saharjya hoise. (The house is the biggest support of my life)," she adds, explaining that since she is the owner of the house, there is no one who can ask her to vacate it.

Smt Nirupama Deka

Smt Nirupama Deka too is a single mother residing with her daughter in Barpeta District of Assam. Her husband died in 2011. She runs a betel shop to earn her livelihood and with the meagre income, she has to meet the family needs and also the expenses of her daughter's education. The kutcha house in which the mother-daughter duo lived was making their life miserable, but their financial conditions did not allow them to build a house for themselves.

Smt Deka's dream of owning a pucca house became a reality with the help of PMAY-U. "There is safety, security and dignity in life. Our social status has improved," she says. The house has also brought immense happiness in the mother-daughter's lives. Smt Deka categorically added that she is confident that with the new house, better alliances for marriage will come for her daughter.

"Ghar powar pachot Jibon sundor hoi poriche aaru samajik unnatio hoiche. etiya aami samajot sakalore logot samane khoj milai agbari jabo paro (Life has become better after having a home. There is social upliftment. Now we can walk step-by-step with other people in the society),"Smt Deka explains.



On Akshay Tritiya, Grih Pravesh & Bhoomi Pujan ceremonies organised for PMAY-U beneficiaries in Odisha

On the auspicious occasion of 'Akshay Tritiya', Grih Pravesh & Bhoomi Pujan ceremonies was organised for PMAY-U beneficiaries in different ULBs of Odisha's Ganjam district on 3rd May 2022. The district has completed more than 8600 numbers of houses from the sanctioned houses. District Administrators, Local Public Representatives, ULB Officials and beneficiaries with their families were presented on this occasion.











தமிழக மக்களின் 'வாழ்க்கையை எளிதாக்குவதை' ஊக்குவித்தல்.





Nations which have given top priority to infrastructure have prospered.

Our Government is upgrading social and physical infrastructure. This will benefit the coming generations.



Hardeep Singh Puri

In a major boost to Pradhan Mantri Awas Yojana-Urban @PMAYUrban PM @narendramodi Ji inaugurates 1152 houses constructed at a cost of ₹116 crore as part of the Chennai Light House Project.



With the best of new-age global technologies, materials & processes, the Light House Project furthers the goal of Ghar Hua Apna, Pura Hua Sapna.

10:01 PM - May 26, 2022 - Twitter Web App



I would like to congratulate all those who will be getting houses as a part of the historic Chennai Light House project under the PM-Awas Yojana.

This has been a very satisfying project for us: PM @narendramodi



History has taught us that those nations which gave topmost importance to infrastructure made the transition from developing to developed countries.

The Government of India is fully focussed on building infrastructure that is top quality and sustainable: PM @narendramodi



தமிழ் கலாச்சாரம் மற்றும் மொழியை பிரபலப்படுத்த தேசிய ஜனநாயகக் கூட்டணி அரசு பல்வேறு நடவடிக்கைகளை எடுத்து வருகிறது.



10:32 PM - May 26, 2022 - Twitter Media Studio





Chennai's Light House project is special for numerous reasons. It illustrates our commitment to delivering the best possible infrastructure for the poor.





Narendra Modi

Narendra Modi 🥏

We have widened the scope of what counts as infrastructure and are also focusing on timely completion of projects.

Boosting 'Ease of Living' for the people of Tamil Nadu

530 Cro



9-27 PM - May 26 2022 - Twitter Media Studio



Manoj Joshi 📀

Here's a quick look at the #Chennai #LightHouse Project under the #PMAY (Urban). The project contains 12 towers with six floors, offering 1,152 model infrastructured houses.



0:32 631 views

Hardeep Singh Puri 🧔

PM @narendramodi Ji at the launch of development initiatives in Chennai.

#Vanakkam_Modi

😱 Narendra Modi 🤣 @narendramodi - 17h

It is always special to be in Tamil Nadu. Speaking at launch of development initiatives in Chennai, twitter.com/i/broadcasts/1.

7:12 PM - May 26, 2022 - Twitter for iPhone

18 Retweets 80 Likes



The Times Of India

#TamilNadu | #PMModi begins his address at #NehruIndoorStadium.

Narendra Modi's #Chennai Visit Live Updates:

timesofindia.indiatimes.com/city/chennai/t...



7:10 PM - May 26, 2022 - Twitter Web App

9 Retweets 102 Likes



PM @narendramodi addresses the occasion of the foundation stone laying ceremony for development projects in #Chennai.

Watch Full Address: bit.ly/3NBzXv9

#TransformingTN



8:49 PM · May 26, 2022 · TweetDeck

3 Retweets 20 Likes



Social Media

GHTC INDIA @GhtcIndia

Training #8 of #RACHNA held @ Reva University Bengaluru on 16 May.#ThermalComfort in #AffordableHousing,#LightHouseProject technologies w.r.t. convent'l mthds, how Precast Concrete Construcion System-Precast Components Assembled at Site used @#LHPChennai is beneficial, was expld.





A two-day Awareness Workshop under the #RACHNA series initiated by @MOHUA_India has been scheduled at the Faculty of Architecture and Planning, GCA, AKTU, Lucknow on 21st & 22nd April 2022.



GHTC INDIA @Ghtclndia

Making Quality a Habit!

The fluidity of concrete is being determined using a flow table test at #LHPRanchi. This also reflects the concrete's workability or consistency.







Rapid progress has been made at #LightH from Germany is adopted for construction work. Each room is being separately built & the entire structure is added as Lego Blocks toys.

#HousingForAll #PMAYUrban #LHPs #GHTCIndia #Transformi #TransformingLives #ConstructionTechnology #AffordableHor



1st Expert Group Consultation meeting for development of Design Standard for #ThermalComfort & Action Plan was held on 6th May in coordination with @MoHUA_India and @bmtpcdelhi. The meeting outlined need to enhance thermal comfort in homes while maintaining affordability.







Pradhan Mantri Awas Yojana - Urban, Government of India • 13 May at 1829 • 3



सुविधाएँ उपलब्ध करा रही है।

See insights



Boost post

A glimpse into #LHP Chennai, which is complete with all infrastructure in place. The site will soon be inaugurated by Hon'ble Prime Minister & subsequently, 1,152 flats will be handed over to beneficiaries.



्रधानगरी अस्तार चेनान कहरीं - १४५५ । पांच के नामान कहनीं अस्तार चेनान रहतीं ने पर के रूप में तावों तेंगों को सुरिपों प्रधान कर रहीं है। नामानी अस्तार चेनान रहतीं ने पर के रूप में तावों तेंगों को सुरिपों प्रधान कर रहीं है। नामानी के प्रधान प्रधान पर, अंडिया के नामानी के विदेश हरते चारती के नामानी के नामानी के कि तिए मूझ प्रोप्त और समुद्रीक पूर्णि पूमन कमाने को आदेशन किया गया था। यह स्थानियाँ प्रसूत नामानी के किया गुला प्रधान और समुद्रीक पूर्णि पूमन कमाने को आदेशन किया गया था। यह स्थानियाँ प्रसूत



प्रधानमंत्री आवास योजना शहरी 8 May at 10:49 - 🔞 घर हर परिवार की प्राथमिक आवश्यकता है, जो बेहतर अवसरों के लिए गरिमा और वित्तीय सुरक्षा की भावना प्रदान करता है। प्रधानमंत्री आवास योजना (ग्राहरी) देशभर में शहरी क्षेत्रों के लाखों परिवारों को पक्के घर के रूप में यह सब

#HousingForAll #PMAYUrban #TransformingLives #TransformingUrbanLandscape

#AffordableHousing #DeliveringHomes #DeliveringSmiles #DeliveringHappiness

LIVE LABORATORIES Webinar Session #08

Indore is the next stop for webinar on #LightHouseProjects. This is the 8th edition in the series, wherein participants are explained about different #LHP construction technologies, techniques & specifications with a live tour of one site out of the six.

Martin de America antico



आज देशभर में करोड़ों परिवार प्रधानमंत्री आवास योजना के तहत बने अपने पक्के घरों में सुखी और सम्मानजनक जीवन व्यतीत कर रहे हैं। योजना की उपलब्धियों से आम जनता को अवगत कराने के लिए @mygovindia द्वारा #SabkaVikasMahaQuiz का आयोजन किया गया है।

bmiec giz



Infographics





