

14.01 Central Public Works Department, an attached office in the Ministry of Housing and Urban Affairs, is a Principal Engineering Organization and Technical Advisor to the Government of India with a proven track record of over 165 years and has expertise in all facets of built environment. CPWD is a total Service Provider, capable of giving single window service for all facets of built environment with complete accountability and responsibility.

14.02 CPWD renders most comprehensive services in the field of planning, designing and construction from concept to completion for all Building & Infrastructure projects with Total Quality Assurance including post construction maintenance management. It is involved in execution of wide range of projects catering to all spheres of human activities such as Housing, Office space, Hospitals, Educational Institutions, Roads, Bridges, Flyovers, Airports, Tourism and Culture, Environmental and other utility services. It also executes Border Fencing, Flood lighting and Road projects in difficult terrain under hostile conditions along borders.

14.03 CPWD, in its endeavour to provide its best services to the Clients and Stakeholders has taken several radical measures. It has adopted best construction & project management practices, new technologies & innovations in its works. CPWD is now delivering projects on time with quality and economy.

14.04 CPWD has undergone an unprecedented paradigm shift in its functioning and it has picked up momentum of growth keeping its vision and mission clear and focused and transformed into a modern, efficient and delivery oriented organization. CPWD has become the most coveted destination for the Government Departments / PSUs / Autonomous Bodies for catering to their built requirements.

Functions

14.05 Major Functions of CPWD are Construction and Maintenance. Construction works are of various kinds: e.g. Buildings of various kinds - Residential, Office, Schools, Laboratories, Hospitals, Stadia, Gymnasias and Auditoria, Storages etc. and non-Building Infrastructure works - highways, flyovers, tunnels, bridges, jetties, sports facilities, border fencing, airports, runways etc.

14.06 CPWD maintains a very large building stock of General Pool residential accommodation and Central Government Buildings. Approximate number of residential units maintained by CPWD is more than 155000 units and office area maintained by CPWD is more than 73 lakh square metres.

14.07 CPWD is also involved in discharge of other multiple functions e.g. Technical Advice to Government, Custody of Estates, Valuation, Rent Assessment, Standardization and Benchmarking of construction activities through issue of Schedule of Rates, Specifications etc., processing of DPRs for Border Works and other ministries for centrally funded works. CPWD also assists in organizing Public and Ceremonial Functions, and upkeep of Historical and Important Monuments, Structures and Samadhis etc.

14.08 Vision and Mission of CPWD

- i. Central Public Works Department strives to position itself with global presence and to become the most coveted destination for the Central and State Governments and other Clients/Stakeholders.
- ii. Attain a 25% annual growth in the workload of the department by taking works of Ministry of External Affairs, Roads & Highways and State Governments.
- iii. Create and maintain the built environment by attaining highest standards of sustainability, quality and clients satisfaction.
- iv. Construct all buildings as green and barrier free.
- v. Adopt best construction practices and new technologies in construction and expand the Technical Advisory Role of the Department.
- vi. Make presence of CPWD Engineers in various Ministries/Departments of Government of India for rendering technical advice and works management.
- vii. Implementation of the ERP in CPWD and complete digitization of all activities in CPWD.
- viii. Create SPVs to take up projects through alternate funding.
- ix. Comprehensive career development and HR up-gradation through global exposure to enable Engineers and Architects to imbibe State of the Art construction and management practices.
- x. Periodic Updation of CPWD Works Manual, General Conditions of Contract, Delhi Schedule of Rates, Specifications and other publications of CPWD.
- xi. 100% Comprehensive outsourcing of maintenance to provide highest users satisfaction.

Setup of CPWD

14.09 Central Public Works Department is headed by the Director General who is also the Principal Technical Advisor to the Government of India. Jurisdiction of the Department is divided into Project Regions and Field Regions headed by Special Directors General / Additional Directors General. Project Units under Project Regions are headed by the Chief Engineers / Superintending Engineers. Zones and Circles under field regions are also headed by Chief

Engineers / Superintending Engineers. Field Divisions and Sub-Divisions are headed by the Executive Engineers / Assistant Engineers.

Cadres in CPWD

14.10 CPWD has three organized Group 'A' Services which are controlled by the Ministry of Housing and Urban Affairs. These are Central Engineering Service (Civil), Central Electrical & Mechanical Service and Central Architects Service.

14.11 There are also a few Group 'A' posts in the Horticulture Cadre. There are Group 'B' & 'C' subordinate services for Engineers, Architects, Horticulturist, Ministerial staff, Engineering Drawing Staff, Stenographers and Rajbhasa staff. CPWD also has a large strength of workmen in various categories, called Work Charged cadre.

14.12 To ensure that the accounts of CPWD are seamless with the accounts of the Government, Director (Finance), Accountants and Financial Officers drawn from cadre controlled by Controller General of Accounts, Government of India are posted in different units of CPWD.

14.13 Similarly, for administrative functions, Ministerial staff from Central Secretariat Service Cadre, Central Rajbhasa cadre and a Law Officer from the cadre of Ministry of Law & Justice are posted in Central Office and in most Zonal Offices. A contingent from NIC cadre also assists in IT related functions. Officers drawn from the Ministry of Labour are posted to various field locations for Labour Welfare functions.

14.14 CPWD Cadres, both Technical and Non-Technical, are en-cadred in various organizations such as Delhi PWD, Income Tax Department and Ministry of Environment & Forest etc. In addition to this, many CPWD personnel are deployed on deputation to a host of Government Ministries / Departments, autonomous and public sector entities. At present, CPWD on its roll, has 1336 Group 'A' Officers, 5776 Group B Officers and 12793 Group C Staff including work-charge Staff. Total present strength of CPWD is 19905.

Specialized Units of CPWD

14.15 **Consultancy Services and Technical Advisor Unit:** To efficiently discharge functions of the Technical Advisor to the Government, a dedicated unit head by Chief Engineer has been created in the Directorate. This unit will also render Consultancy Services to the other Organizations and plan and coordinate all overseas works. This unit has also been given the task of use of artificial intelligence in the core activities of the CPWD.

14.16 **Design and Disaster Mitigation Unit :** Design and Disasters Mitigation (D&DM), a specialized unit of CPWD, is involved in the field of structural design, new construction techniques, materials testing, soil investigations, repairs and rehabilitation of structure in distress, development of software etc. The unit is also actively involved in Disaster Management and Mitigation activities of NDMA.

14.17 **Contract, Specifications and Quality Assurance (CSQ) Civil unit**

- i. **Contract and Manual Unit** : This unit is responsible for registration and revalidation of contractors, updating of CPWD manual. This unit also issues Technical Circulars in respect of Contracts, Manuals and Delegation of Powers to various officers of CPWD.
- ii. **Quality Assurance Unit** : This unit is responsible for conducting inspection of various construction and maintenance works, issue of Inspection reports for assurance of quality in the works. Regular inspections of major works are carried out by this unit.
- iii. **Techno-Legal Cell** : This unit is responsible for dealing with the arbitration cases, Court cases, and approval of counter statement of facts in the Arbitration cases, other litigation matters and issue of circulars regarding all the above activities.
- iv. **Technology Application & Specifications Unit** : This unit is responsible for updating the Specifications of works, issue of circulars from time to time, laying down specifications for new materials, approval of Cost Index, revision and updating of schedule of rates etc.

14.18 **Contract, Specifications and Quality Assurance (CSQ) Electrical unit:** This unit is responsible for implementation of Energy Efficiency Measures of the Govt. Buildings maintained by CPWD, framing of Enlistment Rules for Category-Lifts, Class-A, review of Enlistment Rules, preparation of DSR & AOR (E&M), DSR & AOR of Wet Riser System. CPWD General Specifications for Electrical Works, Automatic Fire Alarm System etc.

14.19 **e-Governance & Business Development Unit:** e-Governance & Business Development unit is engaged to achieve transparency, accountability and simplification of work-processes in functioning of CPWD. It is also dealing with the Business Development functions of the Department. CPWD has taken numerous e-governance initiatives in line with Digital India Program and many web-based applications have been developed and implemented which have revamped the functioning of the Department.

14.20 **National CPWD Academy and Regional Training Institutes** : CPWD has its main Training Academy at Ghaziabad and Regional Training Institutes at Delhi, Mumbai, Kolkata, Chennai and Guwahati. These Institutes conduct number of courses for officers and staff of all disciplines. The training programs of the Institute include foundation courses for direct recruit officers, orientation program for newly promoted officers and other staff etc. and in-service training to officers at different stages.

14.21 **Vigilance Unit:** Vigilance Unit of CPWD is responsible for maintaining probity, integrity and efficiency in the organization under the general superintendence of Central Vigilance

Commission. Vigilance Unit of CPWD is headed by the Chief Vigilance Officer who is of the rank of Joint Secretary to Government of India from the Central Staffing Scheme. In addition to the vigilance set-up in the Head Quarters, CVO is assisted in the field by Deputy Chief Vigilance Officers' of the rank of SE's posted in all regional offices of CPWD, who act as nodal officers in monitoring the vigilance related complaints & inquiries in their respective regions.

14.22 A special campaign has been launched by the vigilance unit of CPWD and all out efforts have been made to expedite the investigations and dispose of old pending complaints. As a result, a record number of 99 complaints were disposed of after doing investigations.

14.23 Vigilance Awareness Week observed in a big way. Vigilance pledge was administered by Sh. Prabhakar Singh DG, CPWD to all the employees of CPWD. This pledge was also taken by all employees of CPWD posted all over India. First time a "Nukkad Natak" on this year's theme for VAW was organised on 01.11.2019 in the lawns of Rajpath to spread awareness among the masses. To promote awareness among all stakeholders about the importance of Vigilance in all spheres, posters, pamphlets and banners were designed and printed by the Vigilance Unit and were distributed to all the field offices and were displayed at all CPWD offices throughout India. Essay, Painting, Slogan and Quiz competitions for the employees were organised in the Directorate. Also, in various Government schools/colleges Essay Writing, Painting and Slogan writing competitions were organised by the Vigilance unit on the main theme given by CVC i.e. "Integrity-A way of Life". Further Interactive sessions of CVO with representative of Residents Welfare Associations and Members of CPWD Contractors Association were held.

14.24 With a view to bring in permanent improvements in the working processes and to increase the efficiency and productivity of the organization, the vigilance unit has recommended systemic improvements in working process during the year.

Grievances Redressal and Service Delivery

14.25 **Grievances Redressal Mechanism:** Complaints redressal in CPWD is being carried out through online portal CPWD Sewa. Systematic reforms recommended by Quality Council of India for CPWD have been implemented. Special drive for disposal of PG is being taken from time to time. For quality improvement of PG, feedback is taken regularly, if found unsatisfactory then the PG is returned for improvement of satisfaction level of the complainant. PG cases are being monitored on daily basis.

14.26 **Citizen Charter:** To reflect the commitment of CPWD in the matter of construction and maintenance of Residential and Non-Residential buildings and other service activities, a Citizen Charter in harmony with Sevottam policy of the Government has been formulated by CPWD and has been put on the CPWD website www.cpwd.gov.in.

14.27 Maintenance Charter: To enhance users' satisfaction on the maintenance services, Maintenance Charter indicating strict time frame for attending to different activities related to the maintenance is already operational.

14.28 Implementation of Right to Information Act 2005: CPWD has already setup necessary infrastructure to implement the Right to Information Act 2005. Details of the CPIOs and Appellate Authorities of CPWD have been put on the CPWD website www.cpwd.gov.in.

14.29 Information and Facilitation Centre: As a step towards administrative reforms and institution of citizen-centric governance for disseminating information to the citizen/user regarding the activities of the organization, an Information and Facilitation Centre for CPWD is functional at Nirman Bhawan, New Delhi.

14.30 Institution of Awards by CPWD : CPWD has instituted awards such as Director General's Medals and Commendation Certificates for outstanding achievement and meritorious services rendered by officers and staff of CPWD. Best Buildings / Projects in different categories are also awarded Certificates of Merits. These awards are being given regularly.

14.31 Welfare measures for SC/ST and minorities

- | | |
|--|---|
| (i) Implementation of Prime Minister's 15 points programmes of Minority Welfare | CPWD is concerned with only one point i.e. Recruitment to Centre Services (No.10). In CPWD, Gazetted Employees are recruited through UPSC and Non-Gazetted are recruited through SSC. |
| (ii) Activities of the Special cell set-up under the control of the Liason Officers | <p>Taking up grievances of SC/ST Employees with the competent authority on the following:</p> <ol style="list-style-type: none">1) Seniority List2) Request for transfer/posting3) Promotion4) Compliance of reservation orders and other benefits admissible to SCs/STs |
| (iii) Inspection of Rosters conducted by the various Liason Officers: | Conducting annual inspection of post based rosters of various grades and keeping a record of such inspection. |
| (iv) Appreciation/Orientation courses for SCs/STs conducted for various levels of officers | Regular training are conducted in Regional Training Centres for all including SCs/STs |

Work Performance of CPWD

14.32 Actual Work Load of CPWD for the year 2019-20

(Rs. in Crore)

Sl. No.	Description	Workload of Construction & Maintenance
1	Actual expenditure (April 2019 - December 2019)	7332.32
2	Anticipated expenditure (January 2020 - March 2020)	5951.58
Total		13283.90

14.33 Some of the large single value projects entrusted to CPWD

- CBIC works Mumbai - 975 crore
- IIM Amritsar - 550 crore
- IIM Sirmour - 300 crore
- Super Speciality Block, RML Hospital, New Delhi - 900 crore
- AIIMS Jammu - 1700 crore
- IIT Jammu - 900 crore
- AIIMS Srinagar - 1800 crore
- IIM Jammu - 550 crore
- New Medical Colleges at Hamirpur & Nahan (HP) - 500 crore
- Gramin Bhawan, New Delhi - 450 crore
- General Pool Residential Project at Raipur - 300 crore
- IIT Kharagpur - 200 crore
- Bihta Campus for IIT Patna - 500 crore
- MSME Works - 300 crore
- IISER Tirupati - 570 crore
- IIITDM, Kurnool, Andhra Pradesh - 190 crore
- IIM Kolkata - 250 crore
- Staff quarters for RBI at Mumbai - 535 crore
- CRPF HQ, New Delhi - 270 crore

14.34 Overseas works assigned to CPWD

- Work of National Police Academy, Nepal
- Works of Women Police Academy, Myanmar
- Works of Mental Hospital, South Sudan

Works Completed

14.35 Some of the major works completed and inaugurated by the VVIPs are as under:

- **Additional Building Complex of Supreme Court of India**



Hon'ble President of India inaugurated Additional Building Complex of Supreme Court of India in the gracious presence of Hon'ble Chief Justice of India on July 17, 2019 in New Delhi.

- **Salt Satyagraha Memorial at Dandi, Gujarat**



Hon'ble Prime Minister of India inaugurated 'National Salt Satyagraha Memorial' Dandi, Gujarat on January 30, 2019

'National Salt Satyagraha Memorial' Dandi, Gujarat

- **Textile Office Complex Building, Varanasi**



Hon'ble Prime Minister of India inaugurated Textile Office Complex Building, Varanasi on January 22, 2019.



Textile Office Complex Building, Varanasi

- **Duplex Flats for Hon'ble Members of Parliament in North Avenue, New Delhi**



Hon'ble Prime Minister inaugurated newly constructed Duplex Flats for Hon'ble Members of Parliament in North Avenue, New Delhi on August 19, 2019. These State-of-the-Art Residential Flats have been constructed by CPWD with most modern facilities, high quality, saving in time and cost.



Duplex Flats for Hon'ble Members of Parliament in North Avenue, New Delhi

- **Super Speciality Block at BRD Medical College Gorakhpur, Uttar Pradesh**



Hon'ble Prime Minister of India inaugurated the Super Specialty Block constructed by the Central Public Works Department at BRD Medical College Gorakhpur, Uttar Pradesh on February 24, 2019



Super Specialty Block at BRD Medical College Gorakhpur, Uttar Pradesh

- **Newly constructed Viewer's Gallery at JCP Attari, Amritsar**



Newly constructed Viewer's Gallery at JCP Attari, Amritsar inaugurated by Shri Rajnath Singh, the then Hon'ble Home Minister, Government of India on January 22, 2019.



Newly constructed Viewer's Gallery at JCP Attari, Amritsar

- **Newly constructed Flyover and Underpass between Northern Mahipalpur Bypass Road and Airport Road Delhi**

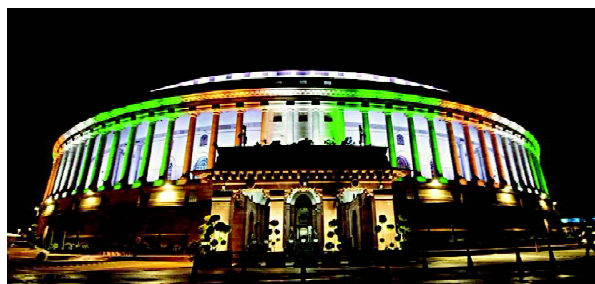


Shri Hardeep S. Puri, Hon'ble Minister of State, Ministry of Housing & Urban Affairs, inaugurated newly constructed Flyover and Underpass between Northern Mahipalpur Bypass Road and Airport Road Delhi on 28th February 2019.



Newly constructed Flyover and Underpass completed just in 13 months against stipulated completion of 24 months with saving of Rs. 26 Crore

- **Dynamic facade lighting of Parliament House Complex.**



Hon'ble Prime Minister dedicated Dynamic Façade Lighting of Parliament House Complex to the Nation on August 13, 2019. This challenging job has been accomplished in the stringent target of 22 days.



Hon'ble Prime Minister dedicated State-of-the-Art Dynamic Architectural Illumination with synchronized light & sound system of Rabindra Setu (Howrah Bridge) Kolkata to the Nation on January 11, 2020 within a very stringent timeline of 30 days.

14.36 Some other completed buildings



GPOA Building Jalandhar



IIT Kharagpur Research Park, Kolkata



Hostel building, Institute of Plastic Technology, Ahmedabad



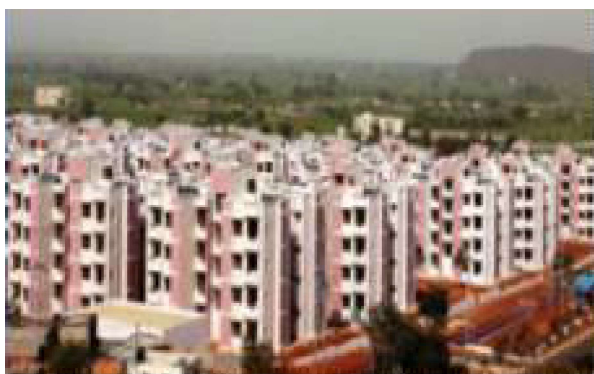
Administrative Building for BSF South Frontier, Kolkata



Girls Hostel at NIT Jaipur



Student Multi Activity Centre for National Institute of fashion Technology, Chennai



CRPF Jawan Barracks and Housing Colony, Gwalior, Madhya Pradesh



ESIC Hospital, Indore ESIC Hospital, Indore

14.37 Some of new works for which foundation stone have been laid

- **Super Specialty Hospital at Bhagalpur, Bihar**



Hon'ble Prime Minister of India laid foundation stone for construction of Super Specialty Hospital at Bhagalpur, Bihar on February 17, 2019.

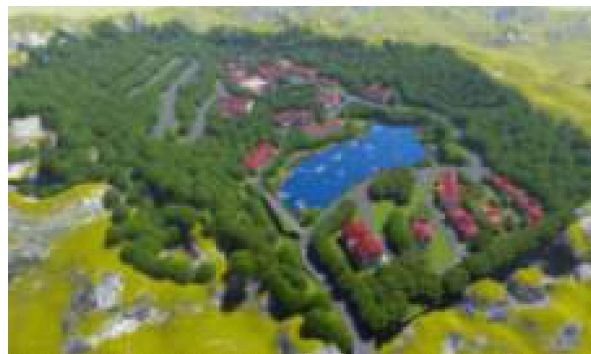


Super Specialty Hospital at Bhagalpur, Bihar

- **Film and Television Institute at Jote, Papumpare, Arunachal Pradesh**



Hon'ble Prime minister of India laid foundation stone for construction of Film and Television Institute at Jote, Papumpare, Arunachal Pradesh on February 9, 2019.



Proposed Film and Television Institute at Jote, Papumpare, Arunachal Pradesh

- **CRPF Head Quarter Building at CGO Complex, Lodhi Road, New Delhi**



Shri Amit Shah, Hon'ble Union Home Minister laid foundation stone of CRPF Head Quarter Building at CGO Complex, Lodhi Road, New Delhi on Dec 29, 2019



CRPF Head Quarter Building at CGO Complex, Lodhi Road, New Delhi

- **Gramin Vikas Bhawan, New Delhi**



Hon'ble Minister for Rural Development, Agriculture & Farmers' Welfare laid foundation Stone of Grameen Vikas Bhawan, New Delhi



Grameen Vikas Bhawan, New Delhi

- **Redevelopment of GPRA Colony at Kasturba Nagar, New Delhi**



Hon'ble Minister, Ministry of Housing and Urban Affairs laid foundation stone for Redevelopment of GPRA Colony at Kasturba Nagar, New Delhi on September 30, 2019.



3D view of GPRA Colony Kasturba Nagar, New Delhi

14.38 Some of the major works in progress



CAPFIMS Project, New Delhi



Residential Quarters, Vizag



Research Park, IIT Bombay



Residential Quarters for National Police Academy, Hyderabad



Super Specialty Block, B.S. Medical College, Bankura, West Bengal



Faculty Apartments, BHU

14.39 Activities of CPWD in North East Region

- i. Central Public Works Department is actively engaged in executing a number of projects for various Central Government Departments and Autonomous bodies in all Seven States of Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.
- ii. CPWD has already created a new region headed by Special Director General level officer at Guwahati to closely monitor the works of North Eastern States.
- iii. CPWD Engineers and Staff have successfully delivered many credit worthy projects in the region despite the limited accessibility and reduced working season. CPWD has to its credit the development of Permanent Capital of the State of Arunachal

Pradesh at Itanagar, large number of campuses for Central Police Organizations and Aviation infrastructure in the region. During this financial year, North Eastern Region of CPWD has achieved a work load of Rs. 553.00 Crore.



Residential Quarters for ITBP, Rangamati Assam Residential



Quarters, Lalpool, Assam



Residential Quarters, IIM Shillong, Meghalaya



Senior Officers Mess, NEPA, Meghalaya

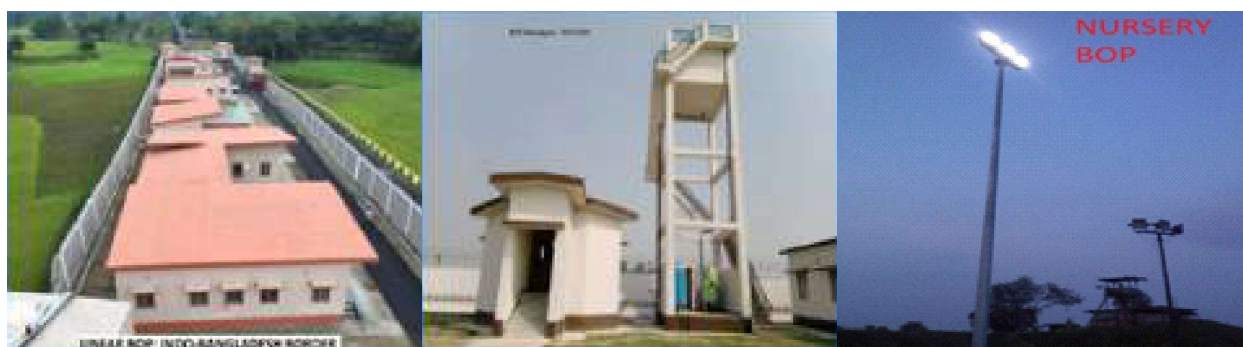
14.40 Border Roads, Fencing & Flood Lighting Works

- i. CPWD is actively involved in development of the Border Infrastructure and executing the works of border fencing, roads, BOPs and Flood lighting along Indo-Pak Border, Indo-Bangladesh Border and Indo-China Border. During FY 2019-20, Border Region has executed works amounting to Rs. 527crore along Indo-Pak, Indo- Bangladesh and Indo-China Border.
- ii. So far, CPWD has constructed 595 km of road, 1741 km of Border Flood lighting i/c fencing and 87 BOPs along Indo-Pak Border. Similarly, along Indo-Bangladesh Border CPWD has constructed 1300 Km of fence and floodlighting including 200 BOPs. Phase-I Work of Indo-China Border Roads in state of Uttarakhand and Sikkim of approximately 100 Km is nearing completion.

- iii. CPWD has been entrusted with construction of 45 strategically important roads with length over 1000 kms along Indo-China Border spanning across 5 states of J&K, Himachal Pradesh, Uttarakhand, Sikkim and Arunachal Pradesh. Total Cost of work as per DPRs is Rs. 18700 Crore Approx. Approval of DPRs by Cabinet Committee on Security (CCS) is under process.
- iv. To secure vast and remote border areas of Rajasthan and Punjab, a total of 1031 km of lateral roads and 394 km of axial roads in Rajasthan with approximate cost of Rs. 1971 Crore and 491 km of Lateral roads and 167 km of axial roads in Punjab with approximate cost of Rs. 1352 Crore have been entrusted to CPWD.
- v. To facilitate ITBP troops stationed along Indo-China Border against severely harsh weather of the high Himalayas, CPWD has been assigned to construct Permanent Integrated Buildings at 96 BOPs of ITBP with state of the art Thermal Insulation & Renewable Energy technologies. DPRs of 76 PIBs with approximate cost of Rs. 2500 crore have been submitted to Ministry of Home Affairs.
- vi. CPWD has also been given the challenging task of constructing 18 Coastal BOPs at a cost of 164 crore for BSF in the Marshy lands of Rann area of Gujarat. This work is in progress since August 2018 and shall be completed by August 2021.
- vii. To cater to requirements of ITBP in High Altitude Himalayan Areas of Arunachal Pradesh, CPWD has been vested with the responsibility of construction of 18 Foot Tracks of around 700 km total length which would facilitate ease of movement in the inaccessible areas of the state. The approximate cost of work is Rs. 1000 Crore.
- iii. Work of Replacement of Border fencing Phase-I/Phase-II to High security weld mesh fencing in Siliguri Sector, West Bengal for length of 43 Kms with estimated cost of 100 Crore has already been sanctioned by MHA, work is in progress. Thus CPWD is performing very well in execution of the Border Infrastructure works required for the security of the Nation.

Some of the Border Works executed by CPWD





14.41 New MoUs

- MoU signed with IIIT, Bhagalpur for development of Infrastructure Works at IIIT, Bhagalpur on November 14, 2019.
- MoU signed with Mahatma Gandhi National Council of Rural Education for Construction of Various Buildings at Hyderabad on October 23, 2019.
- MoU signed with National Institute of Technology Goa (NIT Goa) on March 7, 2019 at Goa for Construction of Permanent Campus of NIT Goa.
- MoU signed with Reserve Bank of India for execution of their works in next 10 years.
- MoU signed with IIIT Ranchi for construction of their new campus at Ranchi on July 24, 2019.
- MoU signed with IIM Lucknow for Enhancement of Infrastructure at IIM Lucknow campus on August 6, 2019.
- MoU signed with National Institute of Plant Health Management (NIPHM) Hyderabad for construction of National Institute of Plant Health Management works on August 5, 2019.
- MoU signed with JIPMER Puducherry for construction of another JIPMER campus at Sedarapet, Puducherry on August 14, 2019.

14.42 Efforts made to bring systemic changes to improve efficiency, effectiveness and transparency and public image

- i. Revised Organizational Structure has been implemented which has enhanced the efficiency, effectiveness, quality, better client services, accountability and long term success of the organization by ensuring optimal utilization of the human resource.
- ii. In the revised structure, by way of layering, earlier seven levels of functioning from Junior Engineer to Director General, which caused slower decision making have been reduced to four levels, thereby decision making has become faster, accountability and sense of belonging / ownership at every level have increased.

- iii. There is no inter-reporting between SDG and ADG, SE and CE, JE and AE in the revised system of functioning.
- iv. SDGs and ADGs heading the project regions and field regions have become directly accountable to the Director General, CPWD. These senior level posts have now become fully active and functional.
- v. With the separate vertical created for execution of major projects through empowered project units under SDGs/ADGs, now focused and exclusive attention is being given by SDGs/ADGs for speedy execution of the Projects with quality and economy.
- vi. CEs and SEs now having compact setup under them, they are able to provide better qualitative input, support and guidance to their units resulting quantum increase in output of the field units.
- vii. With lowering of unified command of Electrical & Mechanical and Civil streams to SE level, the functioning have become more cohesive and one pointed. Clients are getting single window service now at SE level.
- viii. With the alignment of Architecture and Horticulture cadres with main stream execution set up in the reorganization setup, these cadres have become more effective, productive and delivery oriented.
- ix. For optimal utilization of the human resource, work centres have been identified, posts allocated to these work centers and persons from metros shifted at these works centres, which resulted in faster output of the works and enhanced satisfaction of the clients.
- x. Regional Design Centers created at Regional HQs are efficiently catering to the design needs of the region locally at one place. This will reduce the delays in execution of works.
- xi. CPWD Regional Training Institutes located across the country have been integrated, unified and upgraded, which facilitated improved performance of the Training activities of the Department.

14.43 Accessible India Campaign

Under the 'Sugamya Bharat' Mission, CPWD has undertaken the massive task of making public buildings accessible. Under mandate, CPWD has completed accessibility works of 211 Buildings as given by the Ministry of Social Justice & Empowerment. Accessibility works in 783 Buildings of other Ministries have also been completed by the CPWD

14.44 Research, Development & Innovations in CPWD

- i. To encourage Research, Development and Innovation activities in CPWD, a dedicated R&D Cell has been created in National CPWD Academy. Under MoU with IIT Gandhinagar, CPWD is setting up a R&D cell at IIT Gandhinagar.

- ii. MoU signed with School of Planning & Architecture on variety of areas related to housing and urban development sector. Similar MoUs signed with CIDC, TERI (SAS), Indian Society of Trenchless Technology, International Council of Consultants and Engineering Council of India related to promotion of innovation, research and development and adoption of best practices in the construction sector. MoU signed with GIZ, Germany on the field of energy efficiency.



14.45 Use of Modern and Innovative Technologies

CPWD took a leap in adoption of new technologies and in a span of one and half years, it has gone from three to fifty new emerging and innovative technologies. These new technologies are now being extensively used by CPWD in its projects and found to be fast, eco-friendly and in conformity with the green and sustainable development.

Residential Flats by using Monolithic construction technology with tunnel form shuttering at Chennai



14.46 In-house Green Rating system

CPWD started its own green rating system and all projects exceeding 50 crore have been registered for in-house green rating. CPWD also brought its own Green Rating Manual. Dedicated Green Rating and Energy Rating Cell has been created at National CPWD Academy for promoting green buildings and certification of green rating.



14.47 Simplification of Work Procedures

- CPWD Works Manual re-written to 54 pages to provide much needed flexibility for taking prompt decisions by field officers and to achieve quality, timely delivery and transparency in execution of works.
- Separate General Conditions of Contract - 2019 brought out each for construction, maintenance and EPC Contracts incorporating provisions of latest GFR, Indian Contract Act etc.
- New guidelines - 2019 brought out for the enlistment of contractors to ensure entry of the only deserving and resourceful vendors for participation in the tendering process.



14.48 New Innovative Training and Design Policy of the Department

CPWD brought out new Training Policy and Design Policy. Implementation of comprehensive Design Policy will help the individual officers of all streams to gain enough expertise to undertake majority of the design works in-house. Enactment of new Training Policy will ensure that the legacy of the Training that has been in place in CPWD continues to improve and grow to match the pace the industry is growing in.



14.49 Skilling and Health of Construction Workers

- Skilling Mission has been taken as a social responsibility for unskilled workers engaged at construction sites. Provision of skilling of construction workers increased in GCC from 20% to 30%.
- MoUs signed with National Skill Development Cooperation and CIDC etc for skilling and certification of the workers. So far thousands of unskilled construction workers have been skilled and skilled workers have been tested and certified.



14.50 Welfare of Construction Workers

Under the backdrop of MoU signed with CPWD Officers Wives Association for welfare of the construction workers, so far, over a dozen health camps have been organized and equal number of crèches opened by CPWD OWA, which benefitted thousands of workers and their family members.



14.51 Enhanced Visibility of Department

'Business Meets' have been organized at different parts of the country as a confidence building measure with clients and bringing more business to the Department. CPWD has been able to get many works due to these meets.



Business Meet at Delhi on December 13, 2019

- Newsletter of Department showcasing activities and achievements is being brought out on monthly basis with wide circulation to Clients and senior most functionaries of the Government. This effort has been instrumental in increasing the awareness about CPWD amongst the clients.
- CPWD connected itself with social media through official twitter handle, face book and You Tube Channel.
- Regular interaction with the Electronic and Print Media on activities of the Department.

14.52 Eco Friendly & Sustainable Initiatives

- CPWD has taken firm initiatives for generation of renewable energy in government buildings. Roof Top Solar PV Plants have been made mandatory in all new projects of CPWD. So far, Solar plants of capacity about 19 MWp, have been installed by CPWD in government buildings maintained by CPWD across the country.
- All new constructions are being done with energy efficient fittings and fixtures. Bureau of Energy Efficiency (BEE) has star labelled 29 existing CPWD Buildings on Energy Efficiency.
- To address the problem of depleting ground water resources, CPWD has made it mandatory to install Rain Water Harvesting system and Waste Water Recycling plant in all its major projects. So far over 1100 Rain Water Harvesting Systems have been installed.

- New campuses by CPWD are being developed with zero discharge and zero waste concept.
- Towards greening, as a special drive, CPWD planted over 50,000 trees at various residential colonies and office complexes in Delhi and other places across the country maintained by it.
- To save the water, dual piping system has been mandated in all new CPWD works wherein waste water after treatment shall be used for flushing.
- Comprehensive outsourcing of maintenance has been adopted, which has been found about 28% more economical than conventional maintenance with work charged staff. It has increased user's satisfaction level from 95% to nearly 100%.
- A drive to reduce the arrears of huge pendency of Audit Paras was initiated on Mission mode, with the result out of over 10000 pending Audit Paras, over 9500 Paras were settled.

14.53 Swachh Bharat Mission Activities

- Under SBM, 92 Sewage Treatment Plants have been installed in the existing GPOAs and GPRAs maintained by CPWD.



- For Solid Waste Management, 79 Solid Waste Convertors have been installed in existing GPRAs/GPOAs.



- CPWD is also doing waste segregation at source at different locations in Delhi and outside with the help of start-ups with no cost to CPWD.
- In pursuance to the clarion call of Hon'ble Prime Minister for “No to Single-Use Plastic” in the Country, a Massive Public Awareness Programme has been launched by the CPWD and various activities on 'No to Single Use Plastic' have been undertaken by CPWD units across the country.

Important events:

165th Annual Day celebrations of CPWD

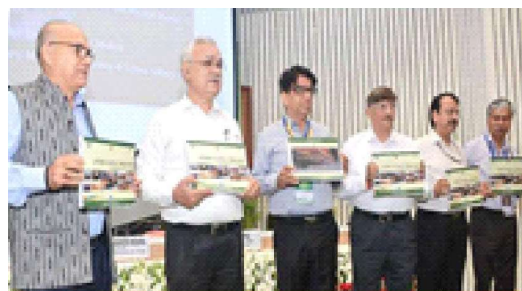
14.54 165th Annual Day of CPWD was celebrated on 12.7.2019 in Vigyan Bhawan in the gracious presence of Hon'ble Minister for Housing and Urban Affairs Sh. Hardeep S. Puri. Sh. Durga Shanker Mishra, Secretary, Ministry of Housing and Urban Affairs, along with other dignitaries, officers and staff of CPWD from across the country participated in the function. CPWD Medals for the best performers were conferred by the Chief Guest.



Impact Created in Construction Sector

14.55 Several National level Seminars and Conferences on the topical issues organized which created tangible positive impact in construction sector. Topics of the Seminars include Energy

Efficiency Measures and Renewal Energy, Use of Technical Textiles, Fly Ash, C&D Waste products, Skilling of Construction Workers and Safety Management, Use of Innovative Technologies and Materials in Construction etc.



14.56 Awards and Recognition

- CPWD has been chosen the winner of '**Golden Peacock Award for Corporate Ethics - 2019**' in recognition to the innovative Ethics Management, e-Governance initiatives and several reforms initiatives taken by the Department, which led CPWD a most transparent and delivery & quality focused organization.
- CPWD was conferred 'CIDC' Partners in Progress Trophy 2019' for displaying utmost commitment and drive to create a vibrant work environment for the construction fraternity by the Department.
- Presidential Dias erected by the CPWD during Republic Day Celebrations at Rajpath, New Delhi with the retractable roof found place in the Limca Book of Records.
- PGIMR Chandigarh has been awarded highest platinum green rating by the IGBC.
- Indian Buildings Congress conferred award for Excellence in Built Environment to "National Institute of Securities Markets (NISM) at Mumbai" and "IIM Trichy Permanent Campus, Trichy".
- Floral Tableau of CPWD showcased during Republic Day Celebrations-2019. won Special Prize.
- Shri Prabhakar Singh, Director General, CPWD was conferred 'Distinguished Engineer Award' by Engineering Council of India, 'CPWD Award for Excellence' by Hon'ble Minister for Housing and Urban Affairs, 'Eminent Engineer Award' by Institution of Engineers (India), 'Champion Technocrat Par Excellence Award' by CIDC and 'Distinguished Alumnus Award -2019' by the IIT, Kharagpur for his exemplary achievements in the field of Engineering.





"CPWD Award For Excellence" conferred to Shri Prabhakar Singh Director General, CPWD by the Hon'ble Minister of MoHUA on 165th CPWD Annual Day on July 12