

**Directorate General of Works
Central Public Works Department**

No. 1/1/2007-S&D/

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Office Memorandum

Sub: *Preparation of statement containing brief activities of Ministry of Urban for the year 2007-08.*

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In pursuance of the above mentioned OM material for preparation of the document is sent herewith.

**D.C. Goel
Director (S&D)**

To

Dy. Secretary (Coord.)
Min. of UD
Nirman Bhawan

Copy for information to DS(Works), Ministry of UD

Director(S&D)

CENTRAL PUBLIC WORKS DEPARTMENT

The Central Public Works Department (CPWD), is the principal agency of the Government of India for creation and maintenance of all Central Government assets excluding those belonging to Railways, Defence, Communication, Atomic Energy, Airports (National and International) and All India Radio. CPWD was created in July 1854 when the then Governor General, Lord Dalhousie, decided to set up a central agency for execution of 'Public Works'. Ajmer Provincial Division was the first unit to be created and it executed many works including famine relief. However, the present form of CPWD was created in 1930.

Central Public Works Department handles a wide range of projects pertaining to Housing and Office space and complexes, Hospitals, Workshops and Factories, Hostels and Hotels, Food Grain storage structures, Roads, National Highways, Bridges and Flyovers, Airports, Computer Centers, Environmental and other utility services. It also executes Border Fencing, Flood lighting and Road projects in difficult terrain and under hostile conditions along the Indo Pak and Indo-Bangladesh border. It is an organization which can render the most comprehensive services in the field of planning, designing, construction and maintenance management, for all Civil Engineering projects with Total Quality Assurance.

Over the years the department has created structures with engineering excellence. It has to its credit construction of a number of prestigious buildings like Rashtrapati Bhawan, North Block, South Block, Parliament House, Vigyan Bhawan and many Multi storied office and residential Structures all over the country. It has also developed infrastructure for sports, education, agriculture etc. It is actively involved in providing facilities for the Central Para Military Forces. Department has also executed many overseas works such as construction of Embassies and Hospital Buildings in various countries and Roads & Bridges in Nepal. Presently it is executing works in Afghanistan for the Ministry of External Affairs.

Involvement of CPWD with a project starts from the stage of selection of site, carrying out geo-technical investigations, collection of field data, assisting the client in analyzing their requirements, preparation of architectural, structural, electrical, air conditioning and landscape designs and drawings, undertaking construction management including quality assurance and continuing its responsibility through post completion maintenance management etc.

The Department is moving forward in the field of construction by developing innovative techniques and adopting state-of-the Art technologies. Environment friendly construction materials and technologies as are identified and selected in close liaison and co-ordination with Research Organizations are used. Even

though baselines are yet to be developed, Clean Development Mechanism (CDM) has been accepted as requirement of the present for posterity.

CPWD is playing a major role towards sustainable development of human settlement. It has also developed expertise in Rehabilitation of Structures and is imparting its expertise to rehabilitate structures in distress. A manual for Repair and Rehabilitation of Buildings has been recently brought out by the department.

CPWD has well documented Specifications & Standards and Schedules of Rates, which are updated from time to time, to keep pace with latest Technologies and market trends with a definite Quality Assurance Plan. These publications are followed by various construction organizations both in public as well as private sectors. Besides this, the department brings out a number of manuals for assisting in execution of projects. Guidelines for designing buildings for elderly and disabled people, Manual of rain water harvesting etc. published by CPWD have been found very useful by everybody.

The department also assists (a) Income Tax Department in implementation of Direct Tax Law in so far as they relate to immovable properties; (b) Ministry of Environment and Forest's Civil Construction Unit; (c) PWD of Andaman and Nicobar Islands and National Capital Territory of Delhi.

Establishment has Director General Works as its head. Jurisdiction of the department is divided into seven regular Regions. The Director General Works is assisted by Additional Director General (Works) for effective control of works and in administration matters. Its field units are located all over India to take up construction and maintenance works even in the remotest parts of the country. Through its countrywide network of planning and construction units, it is in a position to undertake the works of Public sector Undertakings and Autonomous bodies as Deposit works also.

The department has a decentralized system of working, which provides for better & easily accessible service as the units are placed close to work centers. Autonomy, in most areas, has been given to the Regional Units headed by ADGs. The jurisdiction of various regions is as below:

ADG (Strategy & Planning) (Headquarter – Delhi)
ADG(S&P) is in-charge of establishment and administrative functions of the department. There are two Chief Engineers (CEs) and two Directors looking after administrative functions relating to Vigilance, systems and personnel matters assisting the ADG. In addition ADG(S&P) is also incharge of the New Delhi Region. There are three zones under this region. Chief Architect (NDR) provides the architectural support to these zones.

ADG (Technology Development) (Headquarter – Delhi)

The ADG(TD) heads the Delhi Region also. There are two Civil zones and one electrical zone in the Region. In addition there are three CEs for looking after the Head Quarter functions relating to Design, Contract, Standards, Quality Control functions and Consultancy Services.

ADG (Northern Region) (Headquarter – Delhi)

ADG(NR) is responsible for the works under Northern Region. There are four CEs(Civil), one CE(E) and one Chief Architect in this Unit. Zones are located at New Delhi, Chandigarh, Lucknow and Jaipur for looking after the works in the States of UP, Punjab, Haryana, Himachal Pradesh, Rajasthan, U.T. of Chandigarh, Uttaranchal, J&K and in National Capital Region.

ADG (WR) (Headquarter – Mumbai)

ADG(WR) is responsible for works under Western Region. Jurisdiction of the region covers the states of Maharashtra, Madhya Pradesh, Chattisgarh, Goa, Gujarat, and Union Territory of Dadra and Nagar Haveli. There are three CEs (Civil), one CE(E) and one Chief Architect under this unit.

ADG (ER) (Headquarter - Kolkatta)

ADG(ER) is responsible for works under Eastern Region. Jurisdiction of the Region covers the states of West Bengal, Bihar, Jharkhand, Sikkim, Orissa and all the North Eastern States. There are three CEs(Civil), one CE(Electrical) and one Chief Architect in this Unit .

ADG (SR) (Headquarter – Chennai)

ADG(SR) is in-charge of works in Southern Region in the States of Tamil Nadu, Andhra Pradesh, Karnataka, Kerala and Union Territory of Pondichery, Andaman Nicobar and Lakshdeep Islands. There are three CEs(Civil) and one CE(Electrical) in this unit.

Engineer-in-Chief (PWD) (Headquarter – Delhi)

The public works of National Capital Territory of Delhi are handled by CPWD through four Zones in Delhi PWD under the Engineer-in-Chief, PWD. The E-in-C (PWD) reports to Govt. of NCT Delhi for day-to-day functions.

ADG (Border) (Headquarter- Delhi)

There is one post of Additional Director General for coordinating the activities of various organisations involved i.e. CPWD, Assam PWD and Border Roads Organisation in construction of Border Fencing, Roads and Lighting Systems along Indo-Bangladesh and Indo-Pak Borders. Five CPWD Zones, 3 civil and two electrical, are directly engaged in these works.

ADG (Architect) (Headquarter- Delhi)

The ADG (Arch.) exercises technical control on all the four Chief Architects. He is also advisor to Ministry of UD&PA on matters of Architectural Planning within the country and for Indian Embassies in other countries.

ADG (Training) (Headquarter- Delhi)

There is one post of ADG (Training), which looks after the training needs of the workers and officers in the department and carries out the important task of Human Resource Development. The department has a full fledged Training Institute located at Ghaziabad, apart from Regional Training Centres at Delhi, Mumbai, Chennai and Calcutta.

CPWD is an organization which has expertise in all facets of construction activity. The presence of highly qualified architects, civil engineers, electrical engineers and horticulturists ensures that the projects entrusted to CPWD by the clients get to be handled in a comprehensive manner. It renders consultancy in the field planning and design and also takes up supervision consultancy through its Consultancy Wing for PSUs, Autonomous bodies, Co-operative Societies and for projects abroad. It has so far provided consultancy services for many works in as many as 10 countries outside India.

SPECIALISED UNITS

To achieve excellence in its operation, CPWD has under mentioned specialized units.

- (i) Central Design Organization
- (ii) Training Institute
- (iii) Standards & Specifications and Technology Application & Development
- (iv) Techno-legal Cell
- (v) Central Laboratory
- (vi) Quality Assurance Wing
- (vii) Consultancy Services Organization
- (viii) Architectural Documentation Centre
- (ix) Landscape Horticulture Unit

Central Design Organization

Central Design Organization (CDO), a specialized unit of CPWD, was formed in the year 1969. It has following four units each headed by a Superintending Engineer.

- (i) Design Unit.
- (ii) Repair & Rehabilitation Unit(RR Unit)

Since its inception, the activities of CDO have become manifold to meet the modern developments, particularly in the field of structural design, computerization, adoption of new materials and new construction techniques, materials testing, soil investigations, repairs and rehabilitation of structure in distress, development of soft ware etc. This unit is entrusted with the work of structural designs of major structures costing more than Rs.8 crores and /or buildings/structures of complex nature and promoting new techniques and materials in the field of building construction.

The **Repairs and Rehabilitation Unit** has been created to suggest corrective measures for the structures in distress. This unit has recently brought out a manual on repairs and rehabilitation of buildings which has been very received by practicing engineers.

Contracts, Standards and Quality Assurance Unit

This unit has four branches. Functioning of each branch is as under: -

(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. The revised and updated Manual Volume-II, used for regulating the works incorporating many important changes in work procedures has been recently brought out.

(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) Standards & Specifications Unit

This unit is responsible for up dating the Specifications of works, issue of circulars from time to time, laying down specifications for new materials, approval of Cost Index, revision and up dating of schedule of rates etc. New CPWD schedule of rates has been brought out in 2002. Specifications of RCC, in light of revised IS Code 2000, have been revised.

Training Institute

CPWD has its main Training Institute at Ghaziabad and regional Training Institutes and Workmen Training Centers at Delhi, Mumbai, Kolkata, Chennai and Guwahati. Institute conducts number of courses for officers and staff of all disciplines. The Institute has been enlisted as National Resource Institution by MHA. The training programs of the Institute include foundation courses for direct recruit AEEs, Deputy Architects, JEs, orientation program for newly promoted SEs and EEs, and other staff etc. In Service Training to serving officers at different stages, specialized training in computer application for various levels of staff, Modern Management Techniques like Project Management, Contract and Arbitration, Environmental Management, Stress Management etc. are also organized.

MHA sponsored Training Programs are also conducted by the Institute for state PWDs and Public Sector Govt. Organizations in field of Multi hazard risk management. The Institute also sponsors officers for training courses conducted by recognized Institutes in India besides deputing of officers for foreign training conducted by Japan International Co-operation Agency (JICA), Indo Swedish Development Corporation (SIDA), under Colombo Plan etc.

Consultancy Services Organization

CPWD provides consultancy services for various public sector organizations/autonomous bodies, State Governments etc. in planning, design and execution of major building projects, infrastructure works, complex structures and specialized planning and services like air conditioning and electrical installations, project management etc. through its Consultancy Services Organization (CSO).

The CSO has been entrusted a number of prestigious works. Some of them are:

- Planning of major road works under the 'Pradhan Mantri Gramin Sadak Yojna' and the 'Rashtrya Sam Vikas Yojna' for the state of Bihar.
- Planning and designing 'jetties' for the Inland Water Ways Authority at Guwahati and Patna.
- Executing works on behalf of the MEA at Kabul, Afghanistan. Repair and rehabilitation of Habibia School and of the Indira Gandhi Institute for Child Health have been completed. Planning for Indian Chancery Building and the new Afghan Parliament is in progress.
- CSO has also standardized the contracts/specifications etc. for modern hockey fields and synthetic athletic tracks and is assisting the SAI in laying these at many locations.
- Architectural and structural planning for a number of Kendriya Vidyalyas is also being done by the CSO.

CSO is involved in planning of works for the department of Small Scale Industries and the Ministry of Environment & Forests.

Vigilance

The vigilance Unit of CPWD is headed by Chief Vigilance Officer from central staffing pool. The activities of the Vigilance Unit include investigation of complaints, enquiries against erring officers and staff, issue of Vigilance Clearance Certificates for service matters, conducting surprise checks on stores and preventive vigilance by suggesting changes in the procedures.

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 following steps have been taken:

- i) New Citizen Charter in harmony with sevottam policy of the Government has been formulated by CPWD.
- ii) The draft Charter has been put on the CPWD website <http://cpwd.gov.in> for feedback.

Special efforts to introduce transparency through computerization

Computerization has been introduced by CPWD in areas like preparation of Architectural Designs, Structural Design & Detailing, Project Planning & Scheduling, Monitoring, Preparation of Schedule of Rates, Tender Justification, Pay Rolls, Personnel Management, Inventory control, Accounting and Budgeting, maintenance management etc. Considering, however, the need of a knowledge management system to be put in place and the directions of the Govt. for introducing e-governance CPWD has embarked upon a program for integrated computerization which will seamlessly integrate all operations of CPWD making available complete information in real time and will usher in complete transparency and enable officers to exercise effective control on all facets. Since it is not feasible to maintain the system in-house, a service based system is proposed to be placed in position. The service provider will integrate our

processes for end results. Action has been taken in hand to appoint a consultant for developing DPR, Specifications and tender documents and to hold the hand of CPWD during the implementation phase.

CPWD website has also been made interactive and all circulars etc. are being posted on the same. Facility to receive feedback from visitors has also been introduced.

A fully computerized complaint receiving and monitoring system is already being used by CPWD in Delhi. The service can be accessed at <http://cpwdsewa.nic.in> . This has been upgraded to .NET technology.

Efforts to introduce e-procurement through DGS&D is under active consideration of CPWD.

IMPROVEMENTS MADE IN MAINTENANCE

During FY 2007-08 CPWD has made special efforts to usher in improvements in its maintenance operations. All field officers have been directed to be more responsive and to pay personal attention to the grievances brought to their notice. Experiment with outsourced maintenance of certain selected colonies has been extended and engaging single agency for carrying out all operations has been carried forward. Reports indicate that it is a successful venture and is also encouraging the regular CPWD workers to perform better. Besides this, special funds were used for taking up works of aesthetic improvement and retrofitting of old quarters. With this the look of old quarters is being slowly changed and this is generating higher satisfaction amongst residents. The Department has embarked upon "Resident Response Survey" on the maintenance of GPRA, wherein request letter along with "Resident Response Form" is posted to residents staying in Government Accommodation in Delhi and the response form is received back by Business Reply Letter. This will usher in fair assessment by residents without any involvement of maintenance team.

Involvement of CPWD in development of roads in Bihar

CPWD has been entrusted Development of State Highways in Bihar in 33 districts for length of about 1705 km. The project costing about 2500 crores is to be completed by 2009-10. For execution of this project one zone has been created at Patna by diverting the existing strength of CPWD. The work has been divided in 30 road packages & 9 bridge packages. The work in 25 road packages covering the length about 1500 km & costing about 1850 crores has already been started. The work in 4 road packages for about 165 km length & 7 bridge packages was awarded but agencies failed to start the awarded works. Tenders for these four packages are being re-invited & are likely to be awarded by March '08. Implementation of one package covering around 38 km has been kept in abeyance by Govt. of Bihar. The work for 2 bridge packages costing about 65 crores has also been awarded which are likely to be started by Feb. '08. Tenders for balance 7 packages are to be opened in Feb. 2008 & are likely to be awarded

in March 2008. The entire project is likely to be completed by the year 2009-10. The expenditure upto Dec.'07 was only 150 crores, with about 5% physical progress, which is likely to go upto 500 crores by March '08 with about 10% physical progress. The expenditure during financial year 2008-09 is likely to be around 1500 crores with about 80% physical progress.



Existing Road Condition



Preparation of subgrade in progress



Laying of bituminous surface in progress

Execution of works related to the Health sector by CPWD:

Currently CPWD is also involved in planning, designing and up-gradation of 4 hospitals at Jammu, Srinagar, Varanasi and Dhanbad under Pradhan Mantri Swasthya Suraksha Yojna. The work of up-gradation of I.M.S., BHU, Varanasi was entrusted to CPWD by M.H. & F.W. vide No. Z-29013/1/2004-SSH dated 21.9.2006 for comprehensive planning, designing and execution. After several deliberations/discussions with the Director, I.M.S., BHU, Varanasi, the site for construction of buildings has been finalized at the piece of land (approx. 32 acres) on which foundation stone of Banaras Hindu University was laid in 1916. The Consultant for the comprehensive planning/designing and advising has been appointed in August, 2007. The concept plans for the buildings have been prepared and approved by the I.M.S. authorities. The preparation of detailed project report is in progress. The project is planned to be commissioned in 24 months period. The project is at its planning stage. Tenders shall be invited after getting the D.P.R. sanctioned from the Min. of Health and Family Welfare. 60% work is targeted to be completed during 2008-2009.

Recently CPWD has completed ESIC super-speciality Hospital At Kollam. The Hospital is built on 3.50 acres of land with a total built up area of 6141 sqm. The project cost is Rs.1400.00 lacs.



ESIC super-speciality Hospital At Kollam

Assistance rendered by CPWD in JNNURM and for works in NE Region

CPWD is assisting the Ministry of UD in implementing the JNNURM by vetting the schemes related to Urban Transport sector received from different states.

239 DPR for development were received amounting to **Rs. 14120 Crore** and 192 DPR having value of **Rs. 12042 crore** have been examined out of which 96 DPR for **Rs. 5184 Crore** have been approved.

Similarly CPWD is also assisting in examining the estimates for works to be carried out in the **NORTH EAST. 81 DPR** for works being taken up in North East valued at **Rs. 564 crore** have been processed by CPWD in FY 2007-08 so far.

ACHIEVEMENTS DURING FY 2007-2008

WORKLOAD

Sl. No.	Description	Constn I/c Deposit work	Maint. I/c Deposit work	Total Financial terms	Total work load
1	2	3	4	5	6
1	Actual upto Dec '07 as per monthly cards	1857.27	583.23	2440.50	3169.54
2	Likely expenditure for remaining period Jan '08 to Mar '08	1983.46	301.04	2284.50	2660.80
	Total	3840.73	884.27	4725.00	5830.34

- Workload of Rs. 5789 crore was achieved during 2006-2007. Equivalent work load of **Rs. 5830 crore** is targeted for achievement during the year 2007-2008.

Construction of GPRA & GPOA

- 329 number of General Pool accommodations have been added by CPWD during 2007-08. Further 21 will be added up to March 2008. Annexure – I & IA.
- 5790 sqm. of non residential General Pool Accommodation has been completed by CPWD during 2007-08. Annexure – II

Details of major works

- 61 major works each costing more than Rs. 2 crore have been started during FY 2007-08 up to December 2007. Further 22 more works are targeted for commencement during the period January to March 2008. Refer Annexure – III&IIIA.
- 42 major works each costing more than Rs. 2 crore have been completed during the FY 2007-08 up to the month of December 2007. Further 67 numbers of major works are likely to be completed during the period of January 2008 to March 2008. Refer Annexure – IV & IVA.
- 76 major works costing more than Rs. 2 crore have been sanctioned during the FY 2007-08 up to December 2007. Refer Annexure -V.

Achievements of the various specialized units of CPWD are given in Annexure VII to XI.

Activities of CPWD in other important areas during 2006-07

Border Roads, Fencing & Flood Lighting Works

The Central Public Works Department is executing the work of Border fencing, flood lighting and construction of Roads along the international borders of the country both in the West and the East. In all 2958 Km of fencing, 1792 Km of Road and 1952 Km of flood lighting along the international borders of Punjab, Rajasthan, Gujarat and along Indo Bangladesh Border has been completed by CPWD so far. In phase III construction in West Bengal along IBB, extensive mechanization has been adopted.



The maintenance of the infrastructure created along the border in the form of roads, bridges, flood lighting etc. has also been entrusted to CPWD. Special units have been opened in North East to look after the works. About 2614 Km of road along the full IBB is being maintained by CPWD.

CPWD has submitted proposals for five strategic roads in Uttaranchal and for three roads in Sikkim. The stretches are:

<u>Uttaranchal</u>	Ghamsali to Geldung	24 km
	Sonam to PDA	15 km
	PDA to Sumla	05 km
	PDA to Mendi	03 km
	Sela to Tendang	24 km
<u>Sikkim</u>	Giagang to Kerang	26 Km
	Thangu to Muguthang	24 Km
	Domgang to Gora La	46 km

Details of achievements of Border Fencing Region are given in Annexure-VII

Works for Inland Waterways Authority of India

CPWD has been executing various works to facilitate development of the Inland waterways in India thus facilitating development of a net work similar to that of National Highways for transportation of goods and people at a much more economical rate.

CPWD has completed various works for the IWAI which include jetties, terminal buildings, protective measures, development works etc.

Works at Vaikom, Cherthala, Thirukkunnappuzha, Kayamkulam, Aluva, and Maradu in Kerala and Gaighat at Patna have already been completed. Work for construction of low level jetty at Pandu at Guwahati is in progress.



Construction of low level jetty at Pandu, Guwahati

Proposals for construction of high level jetty at Pandu at Guwahati and Gaighat at Patna and various other locations are under consideration.

Construction of permanent houses for tsunami affected people of A&N Islands

Out of 9797 houses to be built for the Tsunami affected people in the Islands 7966 are being built by CPWD. Foundation work for 7100 units has been completed. Super structure work for 530 houses has been completed. The design of the houses and the specifications being adopted have been evolved out a consultative process in which all the stakeholders including individual beneficiaries, tribal council members, village captains etc. were evolved. The houses have been designed to be earthquake resistant and eco-friendly materials are being used in construction.

CPWD presence can be felt at Little Andaman; Car Nicobar; Katchal; Chowra; Kamorta; Terressa; Noncowrie; Great Nicobar and Little Nicobar.



Commonwealth Games-2010

CPWD has been entrusted the task of upgrading the existing infrastructure for the five major stadium of the Sports Authority of India at Delhi where the Commonwealth Games are to be held in 2010. These are:

1. Jawahar Lal Nehru Stadium
2. Indira Gandhi Indoor stadium
3. Dr. Karni Singh Shooting Range
4. Major Dhyan Chand National Stadium
5. SPM Swimming Pool



The detailed planning for all the venues is almost complete and the project has already entered into execution stage. Work is in progress at Jawahar Lal Nehru Stadium; Indira Gandhi Indoor stadium; Major Dhyan Chand National Stadium and SPM Swimming Pool.

All related jobs have been planned for completion latest by December 2009 leaving adequate time for trial runs before commissioning. The EFC has approved a rough cost limit of Rs. 1100/- crores. A dedicated project team has been formed for all these time bound works.

Integrated development of samadhies of National Leaders

CPWD is tasked with maintaining samadhies of National Leaders. Since December 2004 CPWD is also making all logistic arrangements for the functions held at these samadhies. Govt. has decided to integrate the samadhies to improve movement of visitors and also provide there adequate facilities and take steps to ensure safety of the VVIPs who visit these. CPWD with the help of experts has developed a plan for the development of these areas which include better lighting, pathways, new plantation and public utilities etc. Work of tree plantation is in progress.



Activities of CPWD in North East.

CPWD has been executing number of infrastructural works in the North East. The head quarters of the CPWD in this area is located in Shillong with divisions located at Guwahati, Shillong, Imphal, Tejpur, Silchar & Agartala.

The works done by the Department cover diverse sectors such as Education, Health, Sports, Tribal Welfare, Inland Waterway Transport, maintenance of border roads etc. CPWD is creating infrastructure for various departments and ministries operating in this area such as Central Police Organizations like CRPF, BSF, Assam Rifles, SSB, ARC, SIB & SB, Ministry of Labour, Ministry of Health & Family Welfare, Central Water Commission, Survey of India, Ministry of Environment & Forests, ICAR, KVIC, Sports Authority of India and Central Ground Water Board, ITPO etc.



SIB, Hengabari, Guwahati
Dibrugarh

Auditorium

RMRC

Mizoram University:

Mizoram University, located at about 15 Kms from Aizwal, has entrusted construction activity of its campus i/c development works to CPWD. It has been developed in two phases. A/A & E/S under Phase-I to the tune of Rs.2400 lacs was received during the period from September – December 2004.

Phase-I comprises of Central Library; Non-resident Student Centre; Administrative Block; School of Social Science; School of Earth Science and development work is in advance stage of completion and targeted to be completed during FY 2007-08. The campus has been developed with water harvesting system in addition to general development components. Administrative Block was inaugurated recently by the Hon'ble Vice President of India on Nov.03, 2007.

A/A & E/S for Rs.2688.17 lacs under Ph-II was received in Jan 06 which comprises of the buildings for School of Humanities & Education; School of Economics; Management & Information Science; School of Life Science; Central Library Ph-II; School of Social Science Ph-II.

All works have been awarded and are targeted to be completed during the year 2008-09.

Important events/foundation stone laying ceremonies/inaugurations:**153 year celebration of CPWD**

CPWD observed the completion of 153rd year of its inception July 12, 2007. A function was held in Vigyan Bhawan which was presided over by Shri M. Ramachandran, Secretary(UD). During the function a presentation about achievements of CPWD during the preceding financial year i.e. 2006-07 was made.

Later in the day, presentations were made by ADGs of respective regions and DG(W) took a review.A work shop was held on 13.7.2007 on Retrofitting of buildings on the occasion.

Inauguration Construction of Auditorium in President's Estate, New Delhi

CPWD has constructed of a new 300 person capacity auditorium, having design merging with that of the Rashtrapati Bhawan, in the President's Estate. The building also includes a banquet hall with a capacity to accommodate 400 persons. Building is provided with state of the art features including intelligent building management systems, fire detection and fire fighting systems, CCTV, modern audio and video projection systems etc. and 100% backup power supply. Provisions for rainwater harvesting have also been made. Building is disabled friendly. This fully furnished Auditorium building, the first major intervention in President's Estate since 1929, was inaugurated by His Excellency, Dr. A.P.J. Abdul Kalam, the then President of India on 21 July, 2007.



HE The President of India, Dr A P J Abdul Kalam inaugurating fully furnished Auditorium building on 21 July, 2007.

Convocation hall for M.S.University at Tirunelveli

The Building is a two storeyed R.C.C. framed structure and toilet Block is load bearing structure. The total plinth area of the building is 1856 Sq.m and 330 Sq.m of open court yard is also provided. The building is constructed with Independent R.C.C. footings, RCC columns, beams and brick filler walls. The plinth area of the building floor wise is as mentioned below.

- | | | |
|-----------------|---|-----------|
| 1) Ground Floor | : | 1625 Sq.m |
| 2) First Floor | : | 231 Sq.m |
| | | 1856 Sq.m |

The architecture of building is a tribute to culture and tradition of the city Tirunelveli. The convocation hall consists of a Auditorium of 600 seating capacity. The building is environment friendly and disabled friendly. The building is located at University campus which is almost pollution free area. The building has been completed at a total cost of **Rs.1,91,34,147/-** for civil works and **Rs.10,00,000/-** for electrical works at an plinth area rate of **Rs.10,848/- per Sqm.** As a whole the building is provided with all facilities and richer specifications for the beautification of the building and also to suit the requirement of the client of the M.S. University, Tirunelveli. The Convocation Hall was inaugurated by H.E. The Governor of Tamilnadu, Shri S S Barnala on Setember 28, 2007.

Works completed recently :

AG's Branch Office at Madurai

The architecture of the building is a tribute to culture and tradition of the city of temples, Madurai. The Office Building is a four storeyed R.C.C. framed structure of 2049 Sq.m. plinth area and 140 Sq.m. of parking area with independent R.C.C. footings and brick filler walls. The plinth area of the building floor wise is as mentioned below.

1) Ground Floor	:	482 Sq.m.
2) First Floor	:	562 Sq.m.
3) Second Floor	:	562 Sq.m.
4) Third Floor	:	<u>443 Sq.m.</u>
		<u>2049 Sq.m.</u>

The building has been architecturally designed with corner pillars, cornices, horizontal bands and dome at top aesthetically designed, keeping in view the temple architecture. The building is friendly to the environment, with large windows and structural glazing which permits ample day light, reducing dependence on artificial lighting. Excess solar glare is avoided by providing tinted glass. The building is provided with lift facility and elegant electrical fittings with safety measures of fire alarm, automatic wet riser and vacuum circuit breaker. To ensure constant power supply, all the time generator is also provided. The building is barrier free, making it friendly for physically challenged persons. Any part of the building can be easily accessed by such persons. Specially designed toilets are also provided for their use in the building. The building is located at press colony, Mattuthavani which is almost pollution free area. The building has been completed at a total cost of Rs. 2,18,81,901/- for civil works and Rs. 92,50,991/- for electrical works at an plinth area rate of Rs 15,195/- per Sqm.

Building for fire work research and development centre at Sivakasi

It is an office building and is three storied R.C.C. framed structure with a provision for vertical expansion for two or more floors at later date. The floor wise plinth area of the building is mentioned below.

1.Main Building:

Porch area	:	27 Sqm.
i) Ground Floor	:	577 Sqm.
ii) First Floor	:	650 Sqm.
iii) Second Floor	:	529 Sqm.
		1756 Sqm.
2) Car garage	:	104.57 Sqm.
3) Cycle/ Scooter shed	:	103.11 Sqm.
4) UG Sump	:	32000 Litres Capacity

The building provides for entrance lobby, reception, officer's room, store, physical lab, preparation lab, sample collection centre, toilets, and porch in ground floor. The building is friendly to the environment, with large windows which permits ample day light and ventilation, reducing dependence on artificial lighting. Excess solar glare is avoided by providing tinted glass. The building is made

barrier free, making it friendly for physically challenged persons. Any part of the building can be easily accessed by such persons. Specially designed toilets are also provided for their use in the building. An effective system for rain water harvesting and ground water recharge system has also been provided. Fire extinguishers and fire fighting out lets are available at all the floors with a provision of water storage tank exclusively placed for fire fighting purpose. The building is located at Anaiyur village Sivakasi, which is almost pollution free area. The building has been completed at a total cost of Rs.2,21,11,000/- including Electrical Installations and all amenities at a plinth area rate of Rs 12592/- per Sqm (Rs.1170 per Sqft).

Works in progress

Office building for Comptroller and Auditor General of India

The foundation stone for the new office building for CAG was laid by His Excellency The President of India on October 19 2006.



The building has been designed had been developed by a Delhi based Architect CPWD is designing all services etc. to be provided for in the building. This includes conference facilities standby electric supply stems air conditioning, integrated building management system, LAN, VPM, CCTV and access control systems, fire fighting and fire alarm system etc. The work is in progress.

Construction of Jawahar Lal Nehru Bhawan – office for Ministry of External Affairs

CPWD has started the construction of the JLN Bhawan located at Janpath which will house the Ministry of External Affairs. The building has been completely designed in house and this will be one of the most modern and eco friendly buildings to be built. Bhoomi Poojan of this building was done by Hon. Minister for External affairs Shri Pranab Mukherjee on November 14, 2006. The work is in progress.



Foundation work in progress at Jawahar Lal Nehru Bhawan

A detailed list of important events and activities of the Department for the year 2007-08 is given in Annexure VI.