

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

No. 1/1/2008-S&D/

Dated: Nirman Bhawan February, ____ 2009

Office Memorandum

Sub: *Preparation of the Annual Report of the Ministry of Urban for the year 2008-09- Material for*

Ref: Ministry of UD&PA OM No. D-29013/1/2008-Coord. dated 25/11/2008

In pursuance of the above mentioned OM, material for preparation of the Annual Report 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 three units each headed by a Superintending Engineer.

- (i) Design Unit (2 Nos) for structural analysis and design of large projects above Rs. 25 crores and structures of complex nature.
- (ii) Computer Cell (1 No) for e-governance of the department to provide an ERP solution for comprehensive governance.

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 Rs25 crores and /or

buildings/structures of complex nature and promoting new techniques and materials in the field of building construction.

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 CPWD Works Manual 2007, used for regulating the works incorporating many important changes in work procedures has been 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 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 .As latest publications, Delhi Schedule of Rate 2007, DAR 2007 and Plinth Area Rate have been brought out . Specifications of RCC, in light of revised IS Code 2000, have been revised. The revision of CPWD specifications is in progress and likely to be finalized in this year itself.

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, New Citizen Charter in harmony with sevottam policy of the Government has been formulated by CPWD and 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.

PWD 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. Memorandum of Understanding for e-procurement through DGS&D has already been signed by CPWD and response is awaited from DGS&D.

Improvements made in maintenance

During FY 2008-09 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, for assessment by residents without any involvement of maintenance team, wherein request letters along with "Resident Response Form" were posted to residents staying in Government Accommodation in Delhi. On the basis of response received from the residents, field units have been advised to provide best standard of maintenance to the residents.

**ACHIEVEMENT DURING FY 2008-2009
WORK LOAD (2008-09)**

(Rs. in crores)

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 Expenditure during 2008-2009 upto Dec. '08.	2520.07	603.76	3123.83	3878.53
2	Likely expenditure for remaining period Jan '09 to Mar '09	2526.98	287.20	2814.18	3173.18
	Total	5047.1	891	5938.01	7051.71

Workload of **Rs. 5830 crore** was achieved during 2007-2008. Equivalent work load of **Rs. 7052 crore** is targeted for achievement during the year 2008-2009.

Construction of GPRA & GPOA

- 45 number of General Pool accommodations have been added by CPWD during 2008-09. Further 53 will be added up to March 2009. Annexure – I & IA.
- NIL sqm. of non residential General Pool Accommodation has been completed by CPWD during 2007-08. Annexure – II

Details of major works

- 102 major works each costing more than Rs. 2 crore have been started during FY 2008-09 up to December 2008. Further 4 more works are targeted for commencement during the period January to March 2009. Refer Annexure – III&IIIA.
- 9 major works each costing more than Rs. 2 crore have been completed during the FY 2008-09 up to the month of December 2008. Further 29 numbers of major works are likely to be completed during the period of January 2009 to March 2009. Refer Annexure – IV & IVA.
- 163 major works costing more than Rs. 2 crore have been sanctioned during the FY 2008-08 up to December 2008. 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 2008-09

Development of State Highways in the State of Bihar under RSVY Project.

CPWD has been entrusted Development of State Highways in Bihar in 33 districts for length of about 1705 km. The project costing about 2400 crores is to be completed by 2010 – 11. 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 & 25 bridge packages. The work in 27 road packages covering the length about 1577 km costing about 2000 crores & 21 bridge packages costing about 171 crores for 106 bridges has already been started. The work in 2 road packages for about 90 km length costing about 110 crores was awarded but agencies failed to start the works & their Earnest Money & Performance Guarantee was forfeited but the Hon'ble High Court, Patna granted a stay which has been finally vacated & re-invited tenders are under acceptance. This has delayed these works for about a year. Tenders for 4 bridge packages for 12 Nos of bridges costing about 71 crores are likely to be awarded by March '09. Implementation of one Road package covering around 38 km had been kept in abeyance by Govt. of Bihar. The entire project is likely to be completed by the year 2010-11. The expenditure upto Dec.'08 shall be 860 crores, with about 35% financial progress, which is likely to go upto 1200 crores by March '09 with about 50% physical progress. The expenditure during financial year 2009-10 is likely to be around 900 crores with about 90% financial progress upto Dec.'08, about 80% earthwork in widening, 60% road widening, 35% Bituminous work & 50% cement concrete road shall be completed.

Existing Road



Bituminous

Final Road



Bituminous



Rigid Pavement



Rigid Pavement

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. M/s Hospitech Management Consultants Pvt.Ltd., Consultant was appointed for comprehensive planning and designing consultancy. The D.P.R-1 for Rs. 72.95 crores was submitted before P.M.C. on 20.2.2008 which was accepted with the direction to invite the tenders. Work has been awarded to M/s Era Infra Engg. Ltd., New Delhi with tendered amount of Rs.52.15 crores.estimated date of completion is 06.06.2010.

About 50% Hospital area shall be air-conditioned with latest energy effective screw chilling plant as per ECBC norms. Un-interrupted power supply in emergency shall be meet out with UPS - 2X100 KVA and D.G. sets 2000 KVA with standby arrangement. The building shall also equipped with voice communication centre with EAPBX for 1000 lines and LAN and IBMS with C.C.T.V. All mandatory provisions like fire fighting, re-cycling of waste have also to be provided. The Hospital shall provide facilities for General Surgery, Neurosurgery, Cardiothoracic surgery, Orthopedics and its allied Super Specialties with composite care hook up. The completion of work shall be made in 20 months.



Upgradation of Institute of Medical Sciences, BHU, Varanasi

PMGSY WORKS IN BIHAR BY CPWD

- CPWD is constructing Rural Roads under Pradhan Mantri Gram Sadak Yojana in Bihar in districts of Begusarai, Darbhanga, Madhubani and Samastipur. A Circle dedicated to PMGSY works under a Project Manager opened in June-2005. Connectivity being provided to unconnected villages having population of 1000 and more under Bharat Nirman Yojana by construction of link roads and associated through routes.
- The work is challenging in the sense they are being located in remote areas where access is very difficult. A number of places are flood affected and remains cut off during rains. Adequate Cross drainage work in the form of pipe culverts, slab culverts, minor bridges and a few major bridges are also being provided. Many of the area has law and order problem as antisocial elements like Naxalites and other criminals are very active. The contractors are few and reluctant to tender for fear of anti-social element.
- As per the specification of rural road, PMGSY roads are being constructed with carriageway width of 3.75m and Roadway width of 7.5m. The road crust consists of two layers of WBM (Gr. II & Gr III) layers each 75mm thick over granular subbase whose thickness is based on CBR of subgrade and traffic condition and generally 200mm thick. 20mm thick premix carpeting layer has been provided as wearing course. In the inhabited areas or wherever there are chances of submergence of road during floods, cement concrete roads 190mm thick with M30 grade of concrete over 150mm thick granular subbase layer have been provided.

Particulars		Length (KM)	Const. Cost (Rs. in Lakh)	Maint. Cost (Rs. in Lakh)	Total (Rs. in Lakh)
i.	Total Length of road approved by MORD	1969	99547	8495	108042
ii.	Work awarded	837	39888	3246	43134
	(a) Work completed	239	6061	630	6691
	(b) Works in progress	598	33827	2616	36443
iii.	Tenders Received	130	7750	681	8431
iv.	Tenders invited	721	38372	3553	41925
v.	DPRs sent for Revision to NRRDA	606	36889	3336	40225
vi.	Release of fund Expenditure (Rs. in Lakh)	Financial Year		Release	Expenditure
		2005-06		86.34	86.34
		2006-07		3705.32	2865.49
		2007-08		8568.00	6246.91
		2008-09		5346.57	6533.83
		Grand Total		17706.23	15732.57



Gupta Bundh to Mahendrapur



Gupta Bundh to Mahendrapur

Roads Constructed under PMGSY scheme

Border Roads, Fencing & Flood Lighting Works

The Central Public Works Department is involved in planning, technical scrutiny of all proposals by various executing agencies, advising MHA in technical matters related to the works of Border fencing, flood lighting and construction of roads along the international borders of the country both in the West and East. CPWD is also engaged for execution of good chunk of these works along with other executing agencies viz NBCC, NPCC, EPIL, State PWD etc.

In all 3144 km of fencing 1792 km of road and 1952 km of flood lightign along Indo-Pak border and 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 work is going on in full swing. Fencing in a Length of 161 km has been completed out of local length of 514 km fencin under Phase-III.

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 2843 km of road along the full IBB is being maintained by CPWD. Flood lighting works in West Bengal sector in a length of 272 km is also being maintaiend by CPWD.

CPWD has received sanctions for the construction of 5 strategic roads in Uttaranchal and 3 roads in Sikkim. the details of stretches are as under:-

State	Particulars of Road	Length	Estimated Cost
<u>Uttaranchal</u>	Ghamsali (NITI) to Geldung	24 km	
	Sonam to PDA	14 km	
	PDA to Sumla	05 km	
	PDA to Mendi	05 km	
	NTU Sobla-Sela-Tedang	42 km	
Total		90 km	Rs. 240 crore
<u>Sikkim</u>	Giagang to Kerang	26 Km	
	Thangu to Muguthang	31 Km	
	Domgang to Gora La	46 km	
Total		103 km	Rs. 231 crore

The process of environment and forest clearnace is in advance stage. The work is planned be commenced from 1st may 2009.

MHA has recently entrusted the work of flood lighting along IBB to CPWD in West Bengal and Assam sector, for a length of 1134 km and 208 km amounting to Rs. 419 crore and Rs. 77 crore respectively. Estimates for 380 km stretches in West Bengal sector have been sanctioned. The entire work of flood lighting is propsoed to be completed in five year.

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



Complete view of Jetty from River Side

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. So far 2700 No. of houses have been completed

and handed over to A&N Administration for allotting the same to the beneficiaries. The work in 1500 No. of houses is in advanced stage of completion and the work is in progress for the remaining houses. The entire housing work is targeted for completion by Dec. 2009.

CPWD is also executing the works of site Development and Services for all the 7966 houses such as Water Supply Distribution System, Sewer lines, Roads & Paths, Street Lights, Storm Water Drains and Rainwater Harvesting Measures. Apart from the above CPWD is executing 245 Nos. of Community buildings. 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; Noncowry; Great Nicobar and Little Nicobar.

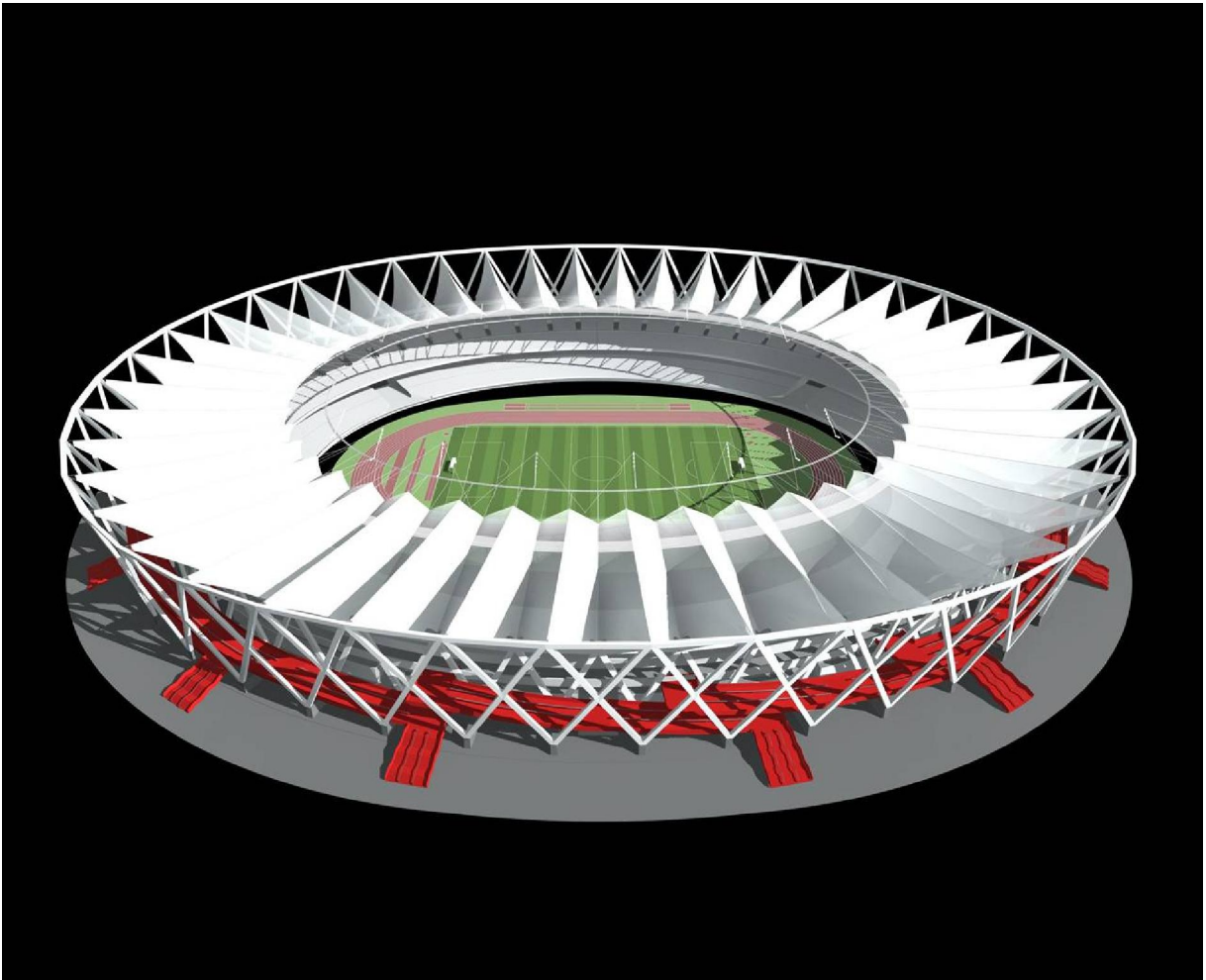


Permanent houses for tsunami affected people

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 Dhyani 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.

Important events/foundation stone laying ceremonies/inaugurations:

154 year celebration of CPWD

CPWD observed the completion of 154th year of its inception on July 12, 2008. A function was held in Vigyan Bhawan. Shri S Jaipal Reddy, Hon'ble Minister for Urban Development, Government of India was the Chief Guest and Shri M Ramachandran, Secretary(UD), Government of India, presided over the function. During the function a presentation about achievements of CPWD during the preceding financial year i.e. 2007-08 was made. Later in the day, technical session was held on (1) Green Building Parameters and (2) Maintenance of built assets. The session was chaired by Shri H S Dogra the then DG(W) and Shri D S Sachdev, DG(W) stressed on (1) adopting Green Building norms in CPWD and (2) new upgradation norms fixed for improving the built residential stock.

Shri S Chinnaswamy, former ADG(SR) on current duty charge was awarded certificate of merit for outstanding performance.



Shri S Chinnaswamy, former ADG(SR) receiving certificate of merit for outstanding performance from Shri S Jaipal Reddy, Hon'ble Minister for Urban Development, Government of India

Inauguration of Swimming Pool of Sports Authority of India (SAI), Kolkata on 23-01-2009 By Honorable Union Minister Dr. M S Gill.

This project was sanctioned by Govt. of India in 43rd Finance Commission Meeting, Dated 30.01.2004 for Rs. 3.36 Corers. It has been constructed without any cost over run and completed in target time.

The Structure was dedicated to the nation by Hon'ble Union Minister, Dr. M.S. Gill, on the holy occasion today of 112th Birth Day of respected Netaji Subhash Chandra Bose, for practice of swimming to take part in competition of Commonwealth Games' 2010.

This work of Electrical works Filtration Plant, lighting and power cabling has been done within estimated and sanctioned cost, with international level of filtration capacity for turbidity removal, Iron removal as complete round trip time for 25 lakhs ltrs, in just 9 hours.

Lighting around the swimming pool has been especially casted pole with very high quality Metal Halide lamps and fittings and PL and CFL lamps for energy saving.



Dr. M.S. Gill, Hon'ble Union Minister for Sports, after dedicating Swimming Pool of Sports Authority of India (SAI), Kolkata on 23-01-2009

Important events and activities

A detailed list of important events and activities of the Department for the year 2008-09 is given in Annexure VI.

Works in progress

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

Jawaharlal Nehru Bhawan, the HQ office building of the Ministry of External Affairs located along the Central Vista Axis, when completed will fill the void in the Lutyen's original composition of Central Vista scheme and will complement the other three buildings namely, The National Museum, The National Archives already existing & the newly constructed Indira Gandhi National Centre for Arts & Crafts. The plot of land measuring 7.785 Acres (31,504 sq.m.) is situated on the crossing of Maulana Azad road and the Janpath.

The total built-up area of the building when completed shall be 58,285 sq.m. and shall accommodate the Diplomatic & the public dealing functions of MEA. The Jawaharlal Nehru Bhawan will be a contemporary state-of-the-art office building, which will sit, in complete harmony with the environment & the surroundings. Responding to the harsh extremes of the climate, the building is designed around traditional landscaped courtyards which along-with the landscaped terrace gardens lend visual and climatic relief besides natural light to office areas around them. The landscape is thus an integral part of the design. In keeping with the architectural vocabulary of existing buildings which make up the the built environment of the Central Vista, the proposed building will be finished in a composition of Red & Dholpur sandstone masonry cladding on the exteriors and will further carry architectural motifs like colonnaded verandahs, domes, brackets, cornices, projected balconies and jalis.

On the interiors, the building will have all the essential features & conveniences of a modern foreign office building. It will have latest in communication technology, an intelligent building management system. Green features like use of fly-ash bricks for inner walls, utilization of solar energy for water heating, waste water recycling and rain water harvesting have been adopted.

The building will perhaps be first in Govt. buildings with total climate control with ambient indoor air quality monitoring. It will also carry many energy saving features. Air-conditioning is through a hybrid system with both Water-cooled as well as Air-cooled machines to minimize the daily water consumption. Recycled waste water of the building will be used for air conditioning as well as landscaping.



Work of Jawahar Lal Nehru Bhawan in progress

Construction of Office Complex at I.N.A., New Delhi

A plot measuring 7.64 acre is available at INA near Vikas Sadan Building, New Delhi. CPWD had planned office complex comprising of six blocks. Out of these six blocks, Block 'A' was ear-marked to CVC, who have already constructed the building through CPWD and are using at present since 1998.

Sanction of Rs. 83.67 Crore was received from MOUD on 14.02.2005. CPWD submitted the drawings to local bodies for approval in Nov 2004. Meanwhile when approval/clearances of various statutory bodies i.e. MCD, DUAC, CFO, environmental etc. were in process, MOUD decided in the month of August 2006 to make provision for centrally air-conditioning of the entire building blocks. Due to delay in getting approval of local bodies and change of scope, the revised cost estimate of Rs. 135.03 was prepared and submitted to MOUD for its approval in the month of Sept 2007. EFC meeting held on 15.01.2008 for consideration of approval of RCE and revised approval is likely to be received shortly.

Meanwhile to save time, preconstruction activities taken by CPWD simultaneously and work has been awarded after completing tender formalities in the first week of Feb 2008. The schedule time for completion is 24 months with completion of one

block of NHRC in 18 months. The project is likely to be completed by June 2010. Civil and internal EI work is being executed by M/s Nagarjuna Construction Co. Ltd.

Building blocks have been designed with state of art facilities with superior specifications i.e. vitrified tile flooring in rooms, granite flooring/dado in circulations, stone cladding in exterior, aluminium doors and windows, stainless steel railings, acrylic finishing in interior, 10nos. lifts, basement parking of 408 ECS, rain water harvesting, central air-conditioning, back up power with DG sets, CCTV, etc. Buildings will have the provision of eco-friendly features i.e. use of fly ash bricks, solar water heating system, integrated building management system, energy efficient lighting, chillers etc.

After completion of the complex, it will fulfill the office space requirement of about 25000 sqm with total plinth area of 51782 sqm i/c basement area of 13055 sqm



Model of GPOA Building at INA, New Delhi

Construction of GPOA at CBD, Shahdara, New Delhi

A plot measuring 1.90 acre is available at CBD, Shahdara, Delhi. This plot was originally allotted to Department of Statistics in 1984. This land was transferred to CPWD for GPOA in 1987 with the approval of MOUD. Land was under encroachment since 1987 and it could be only removed in May 2007. Accordingly CPWD architect prepared the drawings of with double basement for parking.

Sanction of Rs. 19.56 Crore was received from MOUD on 19.08.2002. CPWD submitted the drawings to local bodies for approval in June 2004 but DDA did not approve the drawings in the want of removal of encroachment. Meanwhile when approval/clearances of various statutory bodies i.e. MCD, DUAC, CFO, environmental etc. were in process, MOUD decided in the month of August 2006 to make provision for centrally air-conditioning of the entire building blocks. Due to delay in getting approval of local bodies and change of scope, the revised cost estimate of Rs. 43.14 was prepared and submitted to MOUD for its approval in the month of Oct 2007. SFC meeting held on 31.01.2008 for consideration of approval of RCE and revised approval received on 01.04.2008.

The work has been started in July 2008 with target of completion by Dec 2009. Building has been designed with state of art facilities with superior specifications i.e. vitrified tile flooring in rooms, granite flooring/dado in circulations, stone cladding & structural glazing in exterior, aluminium doors and windows, stainless steel railings, acrylic finishing in interior, 4nos. lifts, basement parking of 179 ECS, rain water harvesting, central air-conditioning, back up power with DG sets, CCTV, etc. Buildings will have the provision of eco-friendly features i.e. use of fly ash bricks, solar water heating system, integrated building management system, energy efficient lighting, chillers etc.

After completion of the complex, it will fulfill the office space requirement of about 7500 sqm with total plinth area of 15886 sqm i/c basement area of 6099 Sqm



Model of GPOA at CBD ,Sahadara,New Delhi