

Annual Report

2008-09



INLAND WATERWAYS AUTHORITY OF INDIA
A-13, Sector-1, NOIDA, Distt. Gautam Budh Nagar (UP)

Annual Report 2008 - 09



INLAND WATERWAYS AUTHORITY OF INDIA

DEPARTMENT OF SHIPPING

MINISTRY OF SHIPPING, ROAD TRANSPORT & HIGHWAYS

HEAD OFFICE: A-13, SECTOR-1, NOIDA – 201 301, DISTT. GAUTAMBUDH NAGAR (U.P.)

TELE NO. : 0120 – 2544036, 2543972; FAX NO: 0120 - 2543973, 2521764

E-mail : iwainoi@nic.in, Website : www.iwai.nic.in

MEMBERS OF THE AUTHORITY

		Telephone No.	Fax No.
Chairman	Shri S.P. Gaur, IAS	0120-2543972	0120-2543973
Member	Shri C. Balakrishnan, IAS (up to 01.12.2008)	011-23710140	011-23715195
	Shri Vijay Chhibber, IAS (From 01.12.2008 to till date) Additional Secretary & Financial Advisor, Deptt. of Shipping		
Member	Dr. A. K. Chanda, IAS Chairman, Kolkata Port Trust	033-22205370	033-22208226
Member	Sh. Pradeep Kumar, IAS Member (Finance), IWAI From 08.10.2008 to till date	0120-2544009	0120-2544009
Member	Shri Satish C. Srivastava Member (Cargo), IWAI	0120-2543982	0120-2543994
Member	Shri Rajeev Gupta Joint Secretary (Shipping & IWT) Deptt. of Shipping	011-23710189	011-23722855

OTHER DETAILS

		Telephone No.
Secretary	Shri Pradeep Kumar, IAS	0120-2544036
Auditors	COMPTROLLER AND AUDITOR GENERAL OF INDIA	011-23235793
Bankers	SYNDICATE BANK Transport Bhawan, Parliament Street, New Delhi-110 001	011-23717573
	SYNDICATE BANK Sector-18, Noida-201 301	0120-2514381
	CANARA BANK Sector-1, Noida-201 301	0120-2529163

REGIONAL OFFICES

	Telephone No.	Fax No.
INLAND WATERWAYS AUTHORITY OF INDIA 5th Floor, Biscomaun Bhawan, West Gandhi Maidan, Patna - 800 001 (Bihar)	0612-2230442 0612-2230789 0612-2235225 0612-2207852	0612-2230442
INLAND WATERWAYS AUTHORITY OF INDIA P-78, Garden Reach Road, Kolkata - 700 043 (West Bengal)	033-24390393 033-24395577 033-24396055	033-24395570 033-24391710
INLAND WATERWAYS AUTHORITY OF INDIA 5th Floor, Parameshwari Building, Chatribari, A.T. Road, Guwahati - 781 001 (Assam)	0361-2510368 0361-2541081	0361-2541081
INLAND WATERWAYS AUTHORITY OF INDIA National Waterways Road, N. H. 47 Bye pass, Kannadikkadu, Maradu, Ernakulam - 682 304 (Kerala)	0484-2389804 0484-2389208	0484-2389445

SUB OFFICES

	Telephone No.	Fax No.
INLAND WATERWAYS AUTHORITY OF INDIA 360/F/44, Nawab Yusuf Road, Civil Lines, Allahabad - 211 006 (U.P.)	0532-2561151 0532-2560537	0532-2561152
INLAND WATERWAYS AUTHORITY OF INDIA 52, 2nd floor, Patel Nagar, Nadesar, Varanasi - 221 002 (U.P.)	0542-2505329	0542-2505329
INLAND WATERWAYS AUTHORITY OF INDIA S.M. College Road, Chottikanjarpur, Bhagalpur - 821 001 (Bihar)	0641-2400651 0641-2401251	0641-2400651
INLAND WATERWAYS AUTHORITY OF INDIA Office Building No. 1, FBP Office Complex, P.O. Farakka Barrage, Distt. Murshidabad (West Bengal)	03485-255809	03485-255809

1. IWT SECTOR - GENERAL INFORMATION:

An efficient transport sector is vital for development of the economy of any country. In a large country like India, efficient transportation becomes pivotal to stimulate competitive business environment. Indian transport system comprises various modes, viz ; Railways, Roadways, Inland Waterways, Coastal Shipping and Airways.

Inland Water Transport (IWT) is a fuel efficient, environment friendly and cost effective mode of transport having potential to supplement the over burdened rail and congested roads. For this, however, it is necessary that IWT mode is developed with public funding at least to a threshold level at which private sector would get attracted to this mode.

In the 19th century and first half of 20th century, IWT was an important mode of transport and navigation by power crafts / country boats played significant role in the development of trade and commerce along several rivers and canals. The advent of railways and extension of its network made a dent in share of water transport in India. Rapid growth of roads, coupled with inadequate development of IWT sector over the years gave a decisive set back to IWT and in the later years of 20th century, except in a few areas namely, Assam, Goa, Kerala, Mumbai, West Bengal, and some other coastal areas (where it has natural advantage and no developmental intervention was needed), the IWT sector was marginalised.

However, considering its inherent advantages, the need for systematic development of IWT sector was always felt which is evident from the fact that since independence, several Committees studied IWT system of the country from time to time and advocated systematic development of the mode. National Transport Policy Committee in its report (1980) accordingly recommended for setting up of an Authority for development and regulation of inland waterways, which led to formation of Inland Waterways Authority of India (IWAI) in 1986 for development and regulation of inland waterways.

IWAI undertakes infrastructure development and maintenance works on National Waterways. It also takes up techno-economic feasibility studies and prepares proposals for declaration of

other waterways as National Waterways. It also advises Central Government on matters related to IWT and assists States in development of IWT sector.

As per constitutional provisions, only those waterways which are declared as National Waterways come under the purview of Central Government while rest of waterways remain in the purview of respective State Government. Since formation of IWAI, five waterways namely (i) Ganga, (ii) Brahmaputra, (iii) West Coast Canal with Udyogmandal and Champakara Canals (iv) Kakinada-Puducherry Canals system along with Godavari and Krishna rivers and (v) East Coast Canal with Brahmani river and Mahanadi delta have been declared as National Waterways. One more waterway namely Barak river is under consideration of the Central Government for declaration as a National Waterways.

In the last few years, movement of cargo by IWT mode in organised sector has shown upward trend. It increased from 1.63 billion tonne km (btkm) in 2003-04 to 3.6 btkm in 2008-09. However, its (modal) share vis-à-vis other modes remains insignificant. The target is to increase the modal share of IWT to 20 billion tonne km by 2025.

2. NATIONAL WATERWAYS

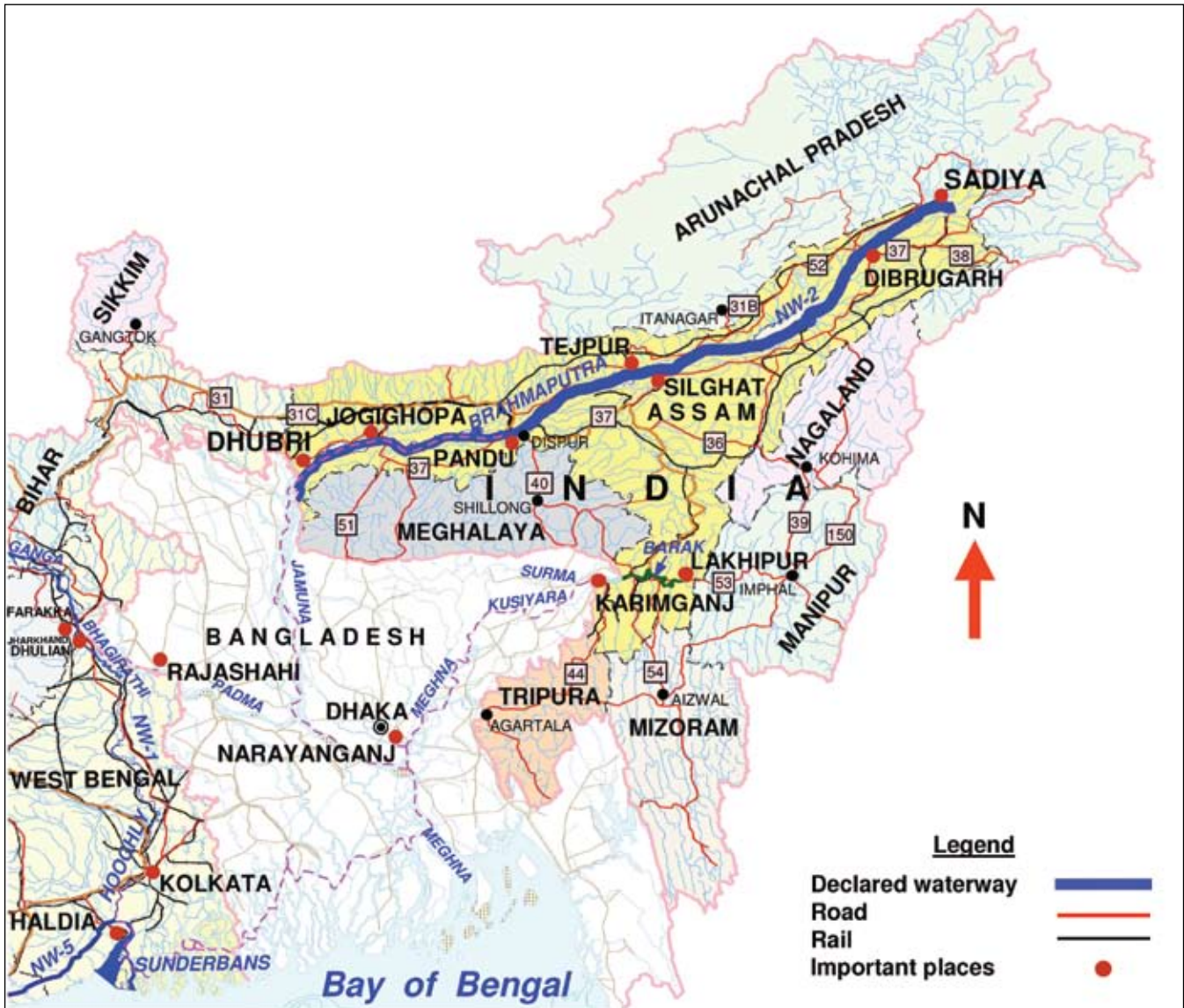
Ganga-Bhagirathi-Hooghly river system from Allahabad to Haldia (1620 km) was declared as first National Waterway in 1986. The Brahmaputra river from Sadiya to Dhubri (891 km) was declared as second National Waterway in 1988 and the West Coast Canal from Kollam to Kottapuram along with Champakara and Udyogmandal canals (205 km) as third National Waterway in 1993. After 1993 no new waterway was declared as National Waterway till 2008, when in the month of November, two new waterways, viz. (i) Kakinada-Puducherry stretch of Canals and the Kaluvelly Tank, Bhadrachalam – Rajahmundry stretch of River Godavari and Wazirabad – Vijayawada stretch of River Krishna (1095 km) and (ii) Talcher- Dhamra stretch of river Brahmani, Geonkhali- Charbatia stretch of East Coast Canal, Charbatia- Dhamra stretch of Matai river and Mangalgadi-Paradip stretch of Mahanadi delta rivers (623 km), were declared as National Waterway by two separate Acts of Parliament on 18.11.08. The Government have brought these two new Acts into force w.e.f. 25.11.08.

National Waterway No. 1



Ganga-Bhagirathi-Hooghly River System from Allahabad to Sagar (1620 km)

National Waterway No. 2



Brahmaputra River from Sadiya to Dhubri (891km)

National Waterway No. 3



West Coast Canal from Kollam to Kottapuram along with Champakara and Udyogmandal Canals (205 km)

National Waterway No. 4



Kakinada-Puducherry Canal System integrated with Rivers Godavari and Krishna (1095km)

National Waterway No. 5



East Coast Canal integrated with River Brahmani and Mahanadi delta rivers (623km)

3. DEVELOPMENT OF NATIONAL WATERWAYS

Three basic IWT related infrastructure for development of waterways are:

- (a) Fairway or navigational channel with desired width and depth.
- (b) Navigational aids for safe navigation; and
- (c) Terminals for berthing of vessels, loading/unloading of cargo and for providing interface with road and rail.

The fourth component for operationalising a viable IWT system is 'inland vessels' for transportation of goods and passengers. It is envisaged that once the fairway, terminals and navigational aids are provided to a threshold level, private sector investment in inland vessels, will increase dictated by market forces resulting in increase in inland fleet.

Various projects for providing/maintaining fairway, terminals and navigational aids are being executed on National Waterways.

National Waterways No. 1 and 2 are typical alluvial rivers with characteristics of braiding, meandering and large water level fluctuation (both horizontal and vertical) between summer and monsoon months. On these rivers, several shallow areas (shoals) come up during low water season and maintenance of 2 m Least Available Depth (LAD), particularly in upper reaches, becomes a difficult task. In these rivers, conservancy works (dredging and bandalling) are to be repeated every year on the shoals since after every monsoon the shoals are to be identified afresh and corrective measures (River Conservancy works) taken up. NW-3 on the other hand, is a tidal canal with predictable and uniform tidal variation in water level. On this waterway, therefore, once the desired depth is provided by capital dredging, it can be maintained for a number of years by undertaking nominal maintenance dredging from time to time as per actual requirement. NW-4 and 5 consist of both canal and river stretches. While canal portions need to be extensively dredged once to provide depth, on Godavari and Krishna rivers yearly dredging will be required and on Brahmani river five barrages with navigational locks have been proposed. Works of NW-4 and 5 will commence after completion of their DPRs, approval of development projects by competent authorities and allocation of adequate funds by the Government of India. PIB note for development of NW-4 has already been prepared and submitted to Ministry of Shipping for approval.

National Waterway No.1

Fairway Development: - The stretch between Haldia and Tribeni (196 km) is tidal and the least Available Depth (LAD) of more than 2 m is maintained naturally therein. During 2008-09, to maintain LAD in stretch upstream of Tribeni, 3000 m of bandals were erected and maintained in Tribeni-Farakka (364 km), and 15,705 m in Farakka-Allahabad (1060 km) stretches. In addition, 66,000 m³ of dredging was carried out in Tribeni-Farakka stretch and 1,02,000 m³ in Farakka – Varanasi stretch by deploying three Cutter Suction Dredgers (CSD) which are owned by IWAI. LAD of 2.5 m was maintained between Haldia and Farakka (560 km) for about 330 days. LAD of 1.8 to 2 m for about 300 days was maintained between Farakka and Patna (460 km). 1.5 m LAD between Patna and Varanasi (363 km) was maintained for about 330 days. However, between Varanasi-Allahabad, LAD of 1.2 m only could be maintained for about 300 days since proposed contract dredging could not be carried out because of unsatisfactory response to the dredging tender. Construction of two CSD units [a unit comprises one Cutter Suction Dredger (CSD), one Work Boat (WB) and one Accommodation Boat (AB)] progressed during the year through different shipbuilders who were awarded the work of construction and supply of these vessels. Both the ABs were supplied during 2008-09 while CSDs and WBs are expected to be delivered in 2009-10.

Terminals: - For construction of high-level jetty at Patna, CPWD was conveyed the sanction of revised cost estimate of Rs 29.93 cr. CPWD awarded the work and construction work is in progress. They have been requested to complete the work by June 2010. Government of Bihar was requested for acquiring 1 acre of land for this high level jetty. At this site, the construction of low-level jetty was already completed during 2007-08. For construction of permanent terminal at GR jetty, IWAI had entrusted the work to CPWD on deposit basis. During 2008-09, CPWD awarded the work to the construction contractor and mobilization of machinery etc was done. For construction of permanent terminal at Varanasi, IWAI had entrusted the work to M/s. EPI Ltd on deposit basis and estimate/drawing/design etc were prepared by them. For a permanent terminal at Haldia also, alternative sites were inspected and it was decided in principle that its construction and management may be taken up on PPP mode through Project Development Organisation/ Project Development Committee (PDO/PDC) mechanism, IWAI has with M/s. IL&FS – IDC.

Besides these fixed terminals, floating terminals also exist at Haldia, Kolkata, Shantipur, Farakka, Rajmahal, Sahibganj, Manihari, Bhagalpur, Semaria, Patna, Buxar, Kaithy, Chunar and Allahabad. These terminals were maintained and used for transportation of cargo. For upgrading floating terminals, construction of twelve terminal pontoons for Haldia, Diamond Harbour, Kolkata, Shantipur, Katwa and Farakka, work has been completed.

Navigational Aids: - Temporary channel marks for day navigation were erected and maintained between Tribeni and Allahabad all round the year. Besides, fortnightly thalweg surveys during low water period and monthly during flood period were carried out, river notices issued and pilotage provided to the cargo vessels. Night navigation aids (351 navigational lights fitted over country boats) were also maintained between Tribeni and Farakka (364 km). Tender for navigational lights fitted over country boats in Farakka-Patna stretch were also invited. To supplement these aids and for providing state of art 24 hrs navigation aids in the entire waterway, DGPS stations are proposed to be set up at Katwa, Bhagalpur, Patna and Varanasi. For this, civil work at Bhagalpur has been completed and DGPS instruments delivered during 2008-09. For trestle towers, supply of buoys and lights etc works were awarded and were under progress. Actions for taking over land for setting up of DGPS stations at Katwa, Patna and Varanasi were also initiated.

National Waterway No.2

Fairway Development: - During 2008-09, 16,800 m of bandals were erected and maintained in the entire waterway. In addition, 14,530 m³ of dredging was also done by deploying one CSD which is owned by IWAI. Least Available Depth (LAD) of 2.0 m was maintained between Dhubri and Dibrugarh and 1.5 m between Dibrugarh and Sadiya round the year. During 2007-08, an important project for construction and supply of four CSD units was sanctioned by the Government at a cost of Rs 75.64 cr and work was also awarded to separate shipbuilders. During 2008-09 all four ABs were delivered by the ship builder while the construction work of other vessels was in progress.

Terminals:- Construction of low level jetty of fixed terminal (capable of handling container) at Pandu was completed and inaugurated by Secretary (Shipping) on 18.4.09. For construction of high-level jetty of this terminal also, revised estimate of Rs 33.02 cr was sanctioned in Jan. 09. CPWD completed the design and tendering process and awarded the work to construction contractor. Foundation stone of this high level jetty was laid by Chairman IWAI on 19.4.09. Floating terminals exist at Dhubri, Jogighopa, Pandu, Tezpur, Silghat, Jamuguri, Neamati and Dibrugarh. These terminals were maintained and used for transportation of cargo. For construction and supply of 6 terminal pontoons for upgrading floating pontoons at Tezpur, Neamati and Dibrugarh terminal, work was in progress. Under the PDO/PDC mechanism, project for developing coal handling terminal at Jogighopa under PPP mode was taken up and the team of IL&FS-IDC inspected the site and collected relevant data to formulate the project.

Navigational Aids:- Channel marks for day navigation were erected and maintained in entire waterway. Night navigation aids were also maintained between Dhubri and Neamati (630 km). Besides, fortnightly thalweg surveys during low water period and monthly surveys during monsoons were carried out, river notices issued and pilotage provided to cargo vessels.

To supplement these aids and for providing state of art 24 hrs navigation aids in the entire waterway, DGPS stations are proposed to be set up at Jogighopa, Tejpur and Dibrugarh. For this, civil work at Jogighopa was started and DGPS instrument was delivered by the supplier. Further, for supply of buoys and lights work was awarded and was in progress. Action to take over land for setting up of DGPS stations at Tejpur and Dibrugarh were initiated. For erecting 35 trestle towers along the waterway also, tendering was processed.

National Waterway No.3

Fairway Development:- Fairway development works including maintenance dredging, and maintenance of 24 hrs navigational aids are continued during 2008-09. Bank protection works in some stretches were completed in 2007-08 and these were also taken up in some critical stretches of Champakara and Udyogmandal canals during 2008-09.

Capital dredging for widening and deepening of canal between Kochi and Kollam was started in first phase during 1997-98. In Kochi – Kottapuram stretch, capital dredging was started in 2nd phase during September 2002. Work in Kochi-Allapuzha sector was completed and in Kochi-Kottapuram sector (30 km) dredging was completed except 4.83 km. But in the remaining reaches, it got delayed due to various problems such as disposal of dredged material, fishing nets, local issues leading to contractual problems etc. Out of entire length of 205 km of the waterway, the total shoal length has been estimated as 87.16 km out of which 59.75 km has so far been dredged and 24.49 km remains to be dredged. The total quantity which was to be dredged for deepening the entire shoal length was worked out as 40.33 lakh m³ out of which 23.98 lakh m³ has been dredged and 16.35 lakh m³ remains to be dredged. For completion of this capital dredging (which also includes widening of the narrow sections which necessitates removal of boulders, coconut trees, old bank protection etc), a scheme at a cost of Rs.89.74 Cr was approved by the Govt. and tenders were invited to take up this work.

Terminals: Terminals at seven locations namely Kottapuram, Aluva, Maradu, Viakom, Thaneermukam (Chertala), Trikkunnapuzha and Kayamkulam have already been constructed. Under PDO/PDC

mechanism, the PDO was entrusted the work of formulating a project for operation and maintenance of these terminals as a PPP project. The PDO had made a field visit and collected relevant data and they were in the process of formulating the project. Construction of 8th terminal at Kollam by CPWD was also in progress. For providing facilities for mechanical handling at these terminals, 8 mobile cranes and 8 fork lifts were procured and provided at each terminal.

Navigational Aids: Project for providing and maintaining 24 hrs navigational aids by way of buoys and lights had been completed during 2007-08 and now the entire waterway has the facility for 24 hrs navigation which was maintained during 2008-09.

3.64 In view of the development of International Container Transshipment Terminal (ICTT) at Vallarpadam in Cochin Port area, there is a tremendous potential for transport of containers through NW-3. Keeping this in view, IWAI in collaboration with Cochin Port Trust initiated the process of construction of RO-RO (Roll on- Roll off) cum LO-LO (Lift on –Lift off) IWT terminals at Willingdon and Bolgatty islands on NW-3 in Cochin port area.

Cochin Port Trust (CPT) is presently handling 3 lakh TEU containers per annum through its existing facilities at Willingdon Island. On commissioning of Vallarpadam ICTT, the quantum of containerized cargo would substantially increase. The traffic will reach at Willingdon Island and move to ICTT by barge/ RO RO service by making use of IWT.

Dedicated IWT terminals on NW-3 will provide the requisite infrastructure and landing facilities for containers in transit through NW-3 from IWAI's existing terminals to ICTT, besides providing facility for transporting containers to Vallarpadam ICTT through RO-RO barges from Cochin Port.

National Waterway No. 4

Detailed Project Report (DPR) for this new NW was prepared. Based on the DPR, a consolidated project in PIB format had been submitted to Govt and the same is under consideration by the Govt for sanction.

National Waterway No. 5

Detailed Project Report (DPR) for this new NW is at advance stage of completion. After its completion a consolidated project for development of waterway will be submitted to Govt for sanction.

4. PROPOSED NEW NATIONAL WATERWAY

Declaration of Barak river from Bhanga to Lakhipur (121 km) in the State of Assam as National Waterway is under consideration of Govt.

5. PUBLIC PRIVATE PARTNERSHIP (PPP) PROJECTS

The following three JV companies were incorporated during 2008-09:

- a) Royal Logistics (Ship) Ltd with equity participation of IWAI and M/s. SKS logistics Ltd, Mumbai, Share Holders Agreement (SHA) for this company was signed on 3.4.08. Under this JV six inland vessels of 2000 DWT each are to be constructed and operated between Kolkata and Pandu. 3 meetings of the Board of JV were held during the year.
- b) Vivada Logistics Pvt Ltd with equity participation of IWAI and M/s. Vivada Inland Waterways Ltd Kolkata. SHA for this company was signed on 13.5.08. Under this JV two inland vessels of 1500 DWT each are to be constructed and operated between Kolkata and Dhubri. 2 meetings of the Board of JV were held during the year.
- c) SKS Waterways Ltd with equity participation of IWAI and M/s. SKS Logistics Ltd. Mumbai, SHA for this company was signed on 12.6.08. Under this JV, eight inland vessels of 2000 DWT each are to be constructed and operated between Kolkata and Mongla (Bangladesh). 3 meetings of the Board of JV were held during the year.

IWAI has signed a MoU with NTPC Ltd on 24th Sept. 2008 were for transportation of 2-3 million tonne per annum imported coal from Haldia to NTPC power plants at Farakka, Kahalgaon and Barh. This project is being developed by IWAI as a PPP project. The coal is proposed to be transported from Haldia to Farakka in first phase and Kahalgaon and Barh in second phase. A feasibility report on this project has been provided to NTPC in Feb., 09 which has been further discussed with them for its finalisation and moving forward.

For management of permanent RCC terminals constructed by IWAI at Patna and Pandu, a private firm has been engaged under an Operation and Management (O & M) contract. The 7 terminals which are ready for operation in NW-3 are also proposed to be given to private operators for better and efficient use.

About 0.7 hectare of land at IWAI's terminal at Pandu is under consideration to be given to a private firm on long term lease. It will construct berthing facilities for transportation of Cement, Clinker, Gypsum, Flyash etc by IWT mode.

Proposals for construction and management of Haldia terminal on NW-1 and construction and management of coal handling terminal at Jogighopa on NW-2 are also under consideration as PPP projects.

6 TECHNICAL STUDIES:

IWAI receives separate grant for conducting techno economic and other studies related to development of IWT sector. Under this head, various studies are under progress through respective consultants. These include (i) preparation of Detailed Project Report (DPR) for development of Kakinada-Puducherry canal system with Godavari and Krishna rivers (ii) preparation of DPR for development of East Coast Canal with Brahmini river and Mahanadi delta, (iii) Environment Impact Assessment (EIA) and Environment Management Plan (EMP) study for waterway at (i) above, (iv) EIA/EMP study for waterway at (ii) above, (v) techno economic feasibility study to decongest Mumbai city through IWT and coastal routes (vi) Hydrographic Survey of Tizu river in Nagaland (vii) Hydrographic Survey of Gumti and Haora rivers in Tripura, (viii) Design and testing of coastal cum inland vessel etc.

7. CENTRAL SECTOR SCHEME FOR DEVELOPMENT OF IWT IN NORTH EASTERN STATES

In place of Centrally Sponsored Scheme for IWT sector which was in operation in 10th Plan, Central Sector Scheme was promulgated for development of inland waterways of North East Region (NER). The guidelines of this new scheme were circulated by the Ministry of Shipping in August 2008. Representatives of all NE States were apprised about the guidelines of the scheme and requested for formulation of IWT development projects.

8. INLAND VESSEL BUILDING SUBSIDY SCHEME

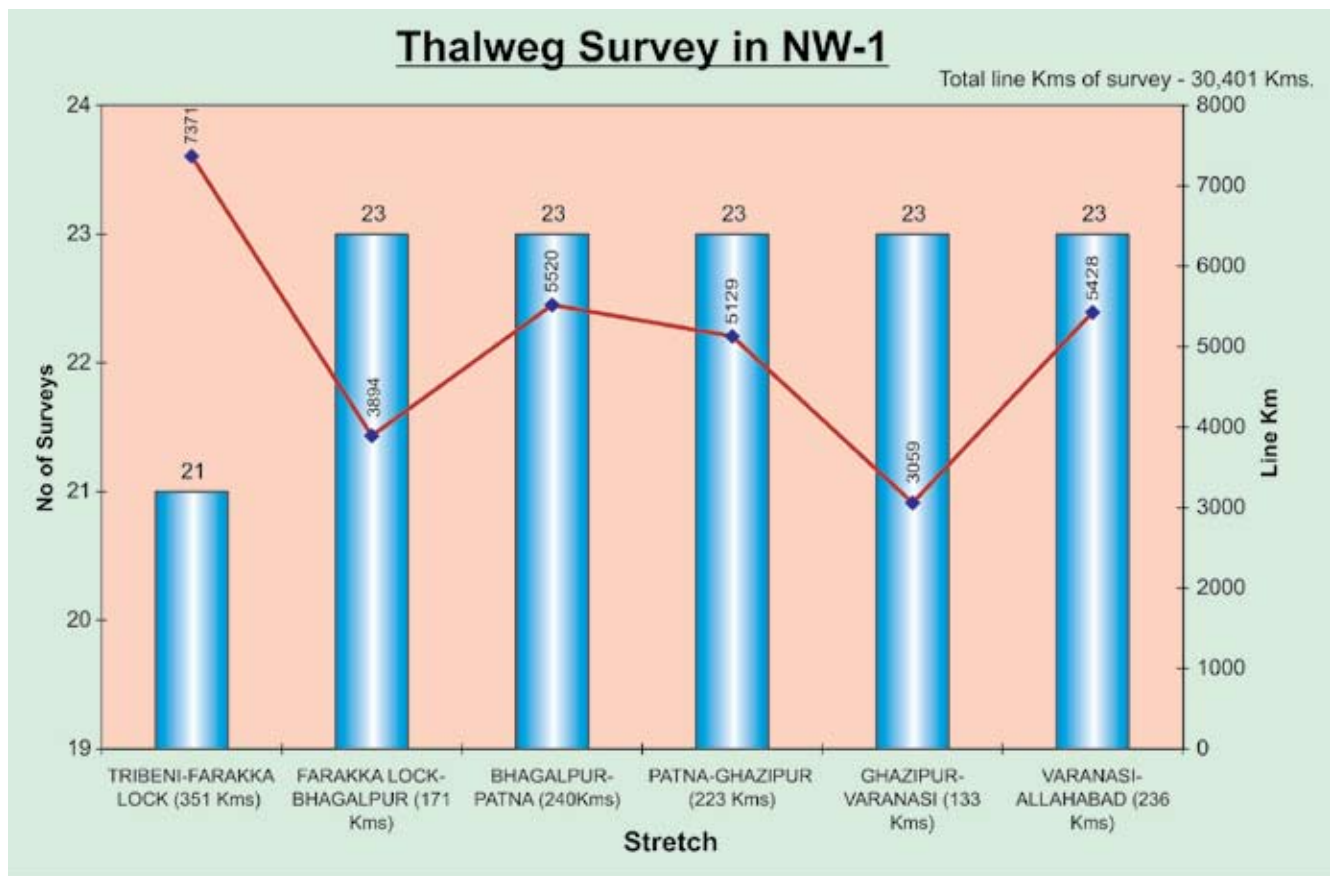
In the 10th Plan, this scheme was promulgated for providing subsidy of 30% of cost of inland vessel built in an Indian shipyard for operation on National Waterways and Protocol routes. This scheme however, expired on 31.3.07. IWAI and DoS are taking action for getting this scheme extended during the 11th Plan and beyond since it is felt that on completion of the Action Plan for making three National Waterways fully functional, being implemented by IWAI, this scheme will be critical for increasing IWT fleet for transportation of cargo and passengers.

9. SURVEY ACTIVITIES DURING THE YEAR 2008-09

National Waterway No-1

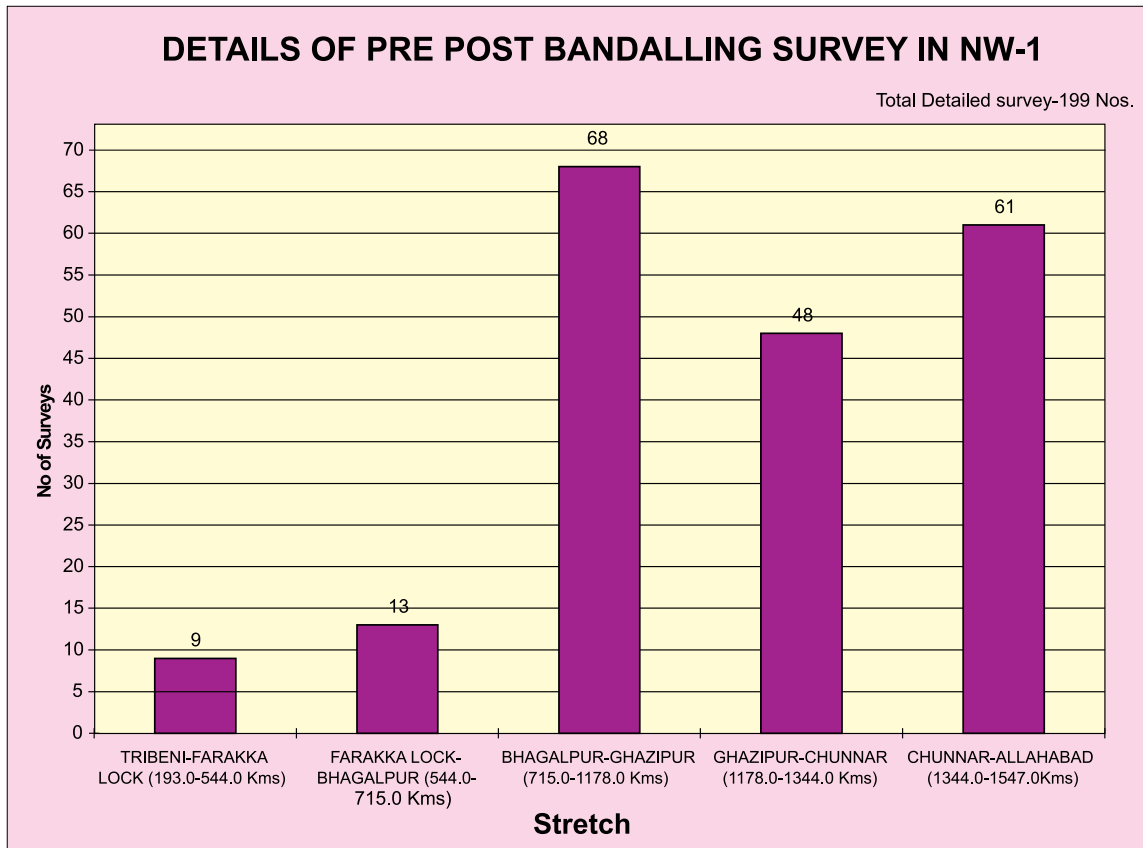
Thalweg Surveys

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi) to the IWT users. Total 30,401.00 line Km of Thalweg surveys were undertaken during the year. Stretch-wise details of surveys undertaken are shown below:-



Detailed Surveys

Pre / Post Bandalling and Dredging surveys were conducted departmentally at 199 shoal locations, details are given below:-



Based on these surveys, River Conservancy works like bandalling & dredging were taken up. Detailed survey was also carried out for assessment of siltation quantity near the in-take of NTPC pump house at Kahalgaon.

Terminal Surveys

Terminal Surveys were carried out at Haldia, Kukrahati, Farakka in Tribeni-Farakka stretch, Mangalaghat, Samataghat, Manihari and Bhagalpur in Farakka-Bhagalpur stretch, Semeria, Gaighat and Majhua in Bhagalpur-Ghazipur stretch, Ghazipur, Kaithy, Rajghat and U/s Ramnagar in Ghazipur –Chunar stretch, Lawainkhurd and Chunar in Chunnar –Allahabad stretch.

Dredging Surveys

Departmental dredger CSD Jalangi was deployed in the Farakka pond area and carried out 65,805 m³ of dredging. The dredging work was monitored with Automated Hydrographic Survey System by undertaking 18 no Pre & Post dredging surveys.

Surveys For Research & Development and Studies

Detailed survey was conducted near Bagmari Siphon (521 Kms) down stream Farakka lock and the data collected were handed over to IIT, Kharagpur for studying the Siphon effect. Surveys were also carried out for IIT, Roorkee at Deochandpur and Nakwa for planning River Training work in Ghazipur-Chunnar stretch. Land survey was conducted along the river banks from the existing water line to the high bank line under outsourcing and completed survey for the stretch from Digha to Mungher. In addition, 100 nos survey pillars were also erected between Patna and Farakka on both banks of the river.



Survey Pillar constructed in National Waterway No.1 (Location: Mokama)

Indo-Bangladesh Protocol Route

Monthly Thalweg survey in Indo-Bangladesh protocol route was undertaken from Silver Tree point to Beharikhal (Bangladesh border). Total 1872 line Kms Thalweg survey were conducted and River Notices published in IWAI web site.

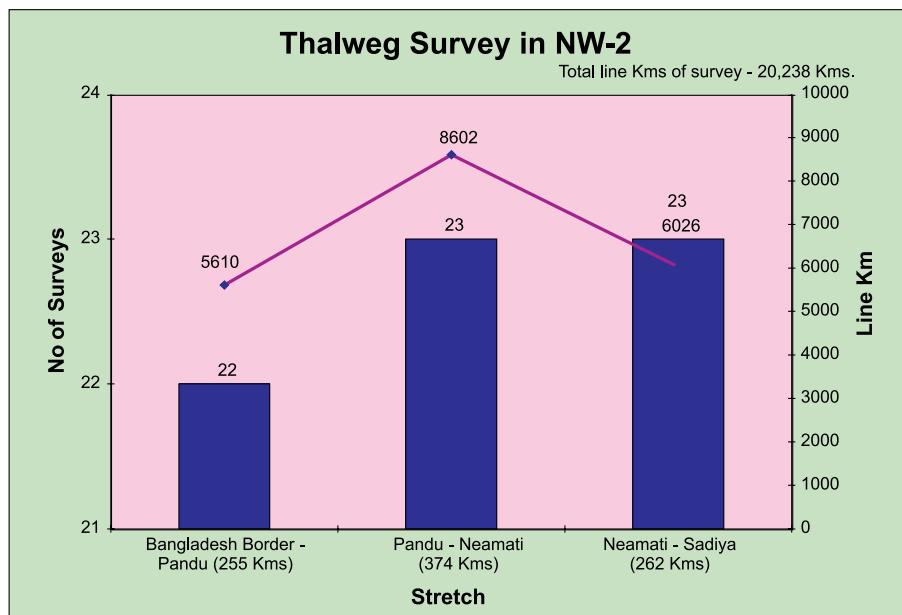


Ground Truthing of Navigational Charts for Sundarbans (Location - Namkhana Jetty).

National Waterway No-2

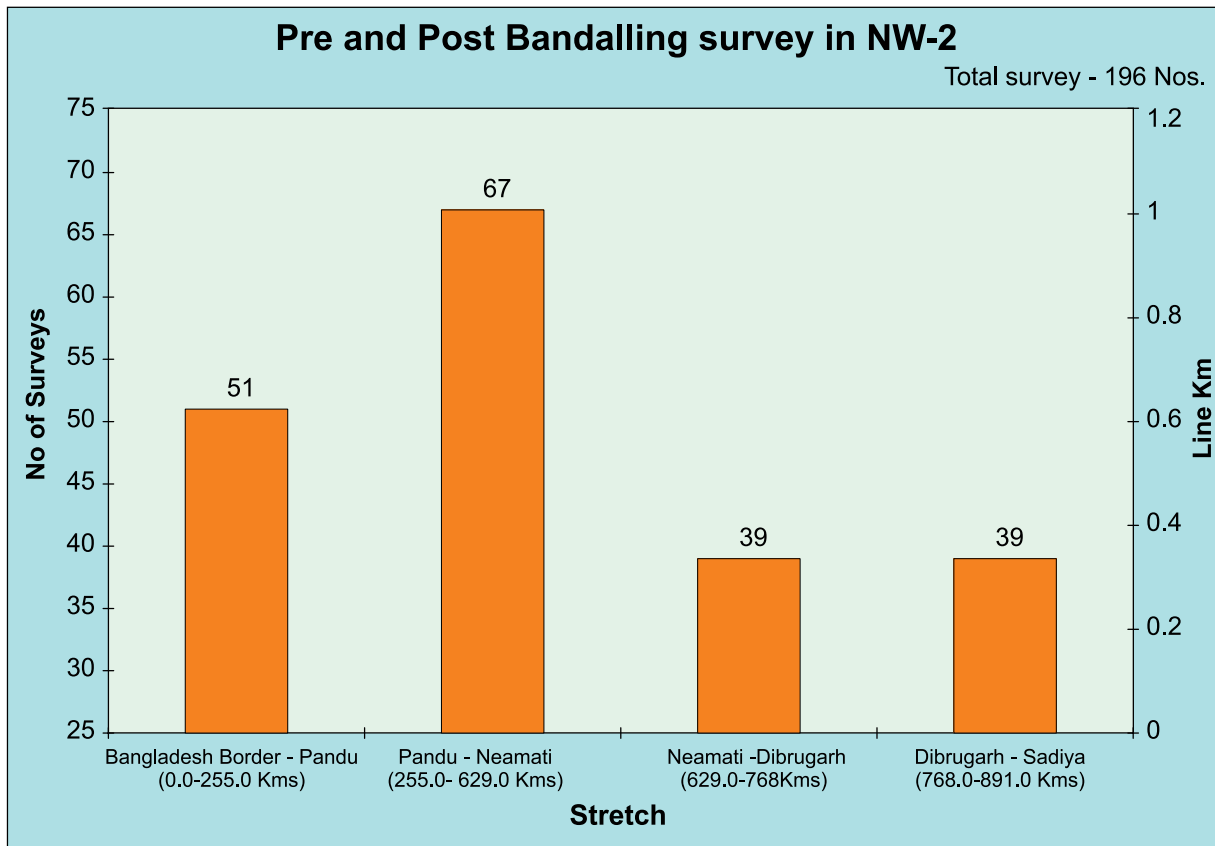
Thalweg Surveys

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi). Total 20,238.00 line Km of Thalweg surveys were undertaken during the year, the stretch-wise details are shown below:-



Detailed Surveys

Pre & Post Bandalling and Dredging surveys were conducted departmentally at 196 shoal locations, details are given below:-



Terminal Surveys

Terminal Surveys were carried out at Dhubri, Jogighopa, Pandu, Tezpur, Silghat, Neamati, Sengajan, Army Ghat (Dibrugarh) and at Oryam Ghat.

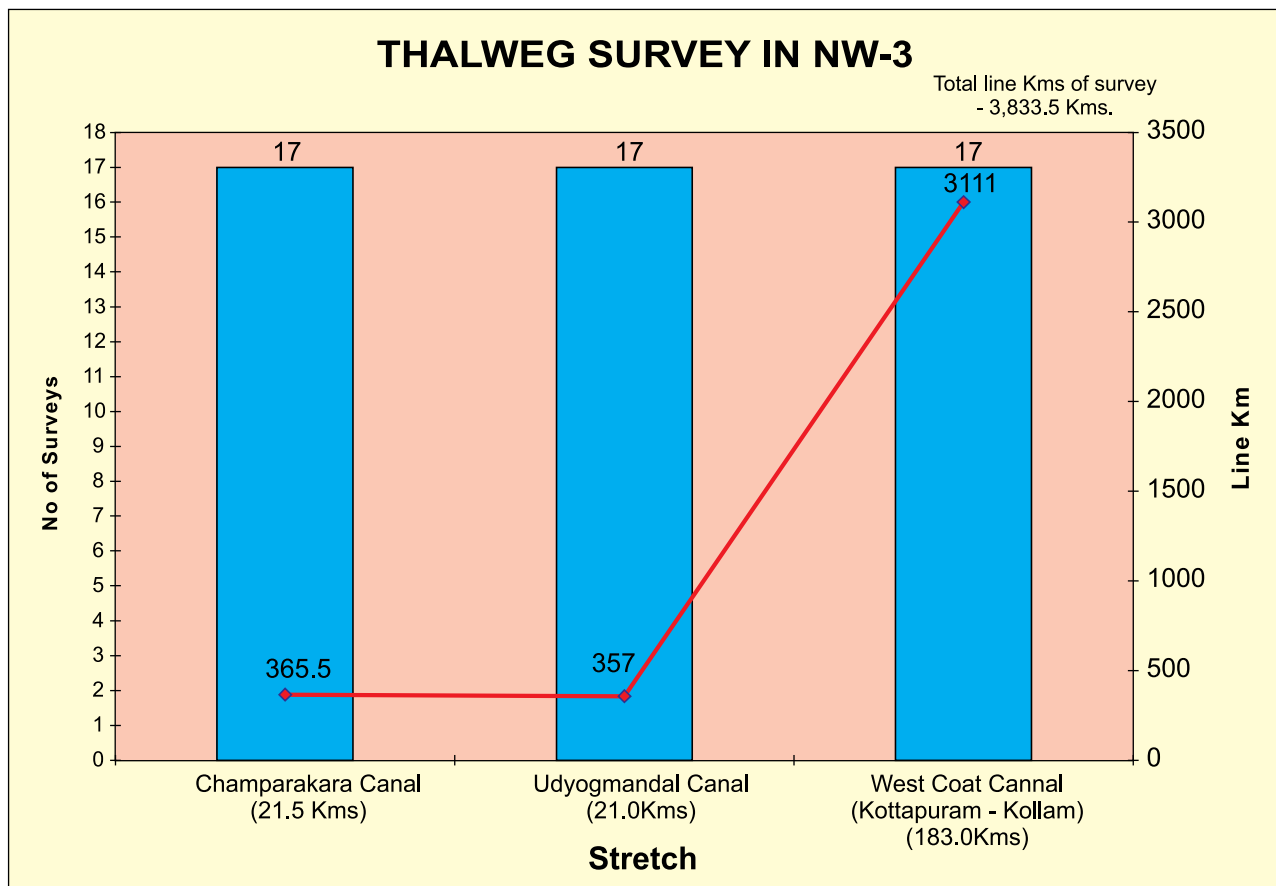
Cross Sectional Surveys

Cross sectional surveys conducted for the stretch between Pandu and Kamakhya hill and Dhansiri river for assessing the channel behavior for setting up of Dry dock facilities and feasibility of cargo movement respectively.

National Waterway No-3

Thalweg Surveys

Thalweg surveys conducted departmentally in Kottappuram – Kochi - Kollam stretch (West Coast Canal) along with Udyogamandal & Champakkara Canals fortnightly and River Notices were issued (both in English & Hindi). Total 3,833.50 line Km of Thalweg surveys were undertaken during the year, stretch-wise details are shown below:-



Detailed Surveys

Detailed Surveys were carried out departmentally at 13 locations in connection with assessment of siltation pattern and maintenance dredging. Terminal surveys were carried out at Aluva, Kottappuram, Thaneermukom, Trikkunnapuzha, Ayiramthengu and Maradu sites. In addition to this, detailed investigation on the existence of hard strata was carried out in Edapallikotta-Chavara stretch and at Samaranikodi area in Ashtamudi Kayal.

10. SURVEY VESSELS

The following survey vessels are under operation: -

National Waterway No.1	National Waterway No.2
1. S.L.Koel	1. S.L Lohit
2. S.L.Dwarkeswar	2. S.L.Subansiri
3. SL Megna	3. SL Dihang
4. SL Anupallav	4. S.L Barak
5. SL Kamla	5. S.L.Buridihing
6. SL.Ghaghra	6. S.L.Dibang
7. S.L.Mandakini	
8. S.L.Gandak	National Waterway No.3
9. SL Punpun	1. S.L. Pamba
10. SL Kosi	
11. SL Rihand	

All the Survey vessels are fitted with the state-of-the art survey equipment like Automated Hydrographic Survey System and HF communication sets for data collection, processing and printing.

11. CARTOGRAPHIC CELL

The Cartographic Cell in IWAI's Head Office at NOIDA is equipped with modern chart making hardware, Geographic Information System (GIS) and Survey softwares and plotters. The Cartographers of IWAI have been trained in using these hardware and softwares.

River Navigational chart for the entire stretches of the three National Waterways were already published and issued to IWT users, operators and other agencies on payment basis. Real time Navigational display software developed by IWAI has been tried and tested onboard survey and cargo vessels of IWAI.

River Navigational charts for Sunderbans portion of Indo-Bangladesh Protocol route and River Atlas were also published for three National Waterways during the year 2008-09. Preparation of River Atlas for Sunderbans Waterways and River pilot for three National Waterways and Sunderbans are in progress.



River Atlas of the National Waterway published for sale to waterway users.

Sale of river charts

A sum of Rs.1,08,076/- has been realized so far through sale of 167 river charts to IWT operators, users, private & Govt. Department .

Participation in INCA Mapping Congress:- XXVIII INCA International Congress on Cartography for Collaborative Mapping & Space Technology was held at Cambay Spa & Resorts, Sector-25, Gandhinagar (Gujarat), India from November 4-6, 2008 organized by Indian National Cartographic Association (INCA) and Space Application centre, ISRO, Ahmedabad. IWAI, also participated in the exhibition during the conference. Maps , Navigational charts, River Atlas and Photographs on RC works were displayed in the stall allotted to IWAI. In addition, technical literatures and Compact Disc containing soft copy (power point presentation) of IWAI/IWT activities and its contribution to Indian economy were also supplied to the visitors.



IWAI stall in the exhibition organized by Indian National Cartographic Association (INCA) & Space Application centre, ISRO, Ahmadabad.(Location: Gandhinagar)

12. National Inland Navigational Institute (NINI), Patna

The following courses were conducted during 2008-09.

S. No.	Details of course	Period	No of trainees
i)	Induction Course for Deck rating (3 Months)	June 2008	19 Nos.
ii)	Induction Course for Engine rating (3 Months)	June 2008	32 Nos.
iii)	Induction Course for Deck rating (4Months)	December 2008	17 Nos.
iv)	Induction Course for Engine rating (4 Months)	December 2008	22 Nos.
v)	Training of Trainers	January 2009	3 Deck & 4 Engine Faculty
vi)	Refresher course on General Hydrographic and Hydrographic related to IWT in National Hydrographic School, Goa and NINI, Patna (two weeks)	September 2008	1 AHS & 9 JHS

Administration and management of NINI has been entrusted to M/s Applied Research International Pvt. Ltd. (ARI Consortium), New Delhi, an organization approved by Director General (Shipping) for imparting training in shipping related fields. The ongoing contract also inter-alia include design and development of various courses in the filed of Hydrographic Survey, River Conservancy, River Training Works, Navigational Aids, Operation and Management of Jetties/terminals, Operation of vessels, Transport economics, Repair and maintenance of craft etc in the NINI campus for a period of two years. Besides, they will organize Workshop/Seminar on specialized area aimed at development of IWT in the country. Affiliation of the institute with D.G. Shipping, Indian Maritime University and State IWT Directorate will be evolved and the curriculum will be improved with the state of art technologies & facilities.

Workshop on River Training works in National Waterways:-



Inaugural Session of workshop on “River Training Works” in National Waterways

One day workshop on “River Training Works” in National Waterways (NWs) was held at NINI , Patna on 9th May 2008 by inviting experts from various Organisations like CWC, WAPCOS, Bramhapura Board, Indian Navy, IIT Rookee, IIT, Chennai and some private organizations. Proceedings and Recommendations of the workshop were already published in IWAI web site.

13. INDO-MYANMAR KALADAN MULTIMODAL TRANSIT TRANSPORT PROJECT

IWAI was appointed by Ministry of External Affairs (MEA) as Project Development Consultant (PDC) for implementation of Kaladan Multimodal Transit Transport Project in Myanmar. The project is piloted and funded by MEA, Govt. of India. In this regard, an agreement between MEA and Inland Waterways Authority of India for implementation of the project was signed on 19th March 2009. MEA will appoint main contractor and if required sub-contractors for the execution of the project.

The project involves the following development works;

- ❖ Construction of an integrated Port & Inland Water Transport (IWT) terminal at Sittwe in Myanmar.
- ❖ Development of navigational channel along river Kaladan from Sittwe to Kaletwa (225 km).
- ❖ Construction of an IWT - Highway trans-shipment terminal at Kaletwa.
- ❖ Construction of a highway from (Kaletwa) to India-Myanmar border (62 kms).
- ❖ Construction of IWT barges for transportation of cargo in river Kaladan between Sittwe and Kaletwa.

The responsibilities of the PDC are;

- Preparation for selection of construction contractors for development of various project facilities;
- Supervision of construction and project management of various works
- Co-ordination / liaison between the nodal agencies and the construction contractors.

Kaladan Projects Management Unit (KPMU) of IWAI conducted reconnaissance survey of the project area and also held discussion with officials of Govt. of Myanmar to gather additional data as well as to validate informations available in the DPR for the purpose of updating the DPR prepared during 2003 (by M/s RITES, the DPR Consultant). Action has been initiated for tendering the work and selection of main contractor for execution of Port & IWT components. As regards highway component, it is to be executed by Government of Myanmar under supervision of the PDC.

Preliminary observations on constraints of the project area and potential for improving the project parameters based on technical considerations were communicated to the MEA.

14. CARGO MOVEMENT DURING 2008-2009

Substantial cargo movement by IWT can be expected after providing minimum infrastructural facilities required for economical navigation i.e. required navigation depth, night navigational facilities, mechanized terminals and vessels. IWAI has drawn action plan to provide these minimum infrastructural facilities by 2011 subject to availability of both physical and financial resources.

At present, sufficient inland vessels are not available to ply even in the developed stretches of the waterway. Only 80 cargo vessels (28 CIWTC vessels & 49 private vessels are available in NW-1 and almost all are deployed in lighterage operation between Haldia & Kolkata. IWAI has only 6 cargo vessels of which 5 are deployed in NW-1 and one in NW-2. IWT Dte. Assam are operating only 12 vessels in NW-2. There is acute shortage of vessels.

However cargo is moved by IWT by IWAI vessels, Bangladesh vessels, country crafts and small mechanized crafts (less than 100 tonne capacity). Details of cargo movement on National Waterway No.1, 2 & 3, Goa and Mumbai Waterways for the year 2004-05, 2005-06, 2006-07 and 2008-09 are indicated in million ton (MT), ton-kms (TKM) and billion ton-kms (BTKM) in the annexure.

The cargo movement on National Waterways No.1, 2 & 3 during the year 2008-09 was 2.34 million tons (728 million tons km) against 3.48 million tons (760 million tons km) during the year 2007-08. The cargo movement on Goa Inland Waterways during the year 2008-09 was 45.58 million tons (2279 million tons km) against 38.50 million tons (1925 millions km) during the year 2007-08. Cargo movement in Mumbai Waterways (Dharmatar creek) during the year 2008-09 was 10.16 million tons (548.42 million tons km) against 12.91 million tons (696.93 million tons km) during the year 2007-08.

Operation of Fixed Schedule Sailing in National Waterway No.1 by IWAI vessels continued during the year between Haldia and Patna to demonstrate the navigability of the waterways. Authority deployed its own vessels MV Rajagopalachari, MV Lal Bahadur Shastri, MV Homi Bhabbha, MV Visshwassariyya PT Tilak with DB Sucheta and transported 7486 M tons cargo between Haldia - Patna –Varanasi, Haldia-Karimganj and Haldia Pandu. During the year 9.40 lac M tons Fly Ash, MS Wire rod, slag, clinker, rice,

iron ore, steel sheet, Ball clay lumps, gypsum etc. was exported from India to Bangladesh by IWT mode, Cranes and other mechanical handling equipments were deployed for cargo handling at Patna, Haldia, Kolkata and Pandu Jetties.

IFCI Ltd. has been awarded the consultancy work in Nov' 2008 for identification and bid process management for transportation projects for acquisition, operation and management of Barges on National Waterway No.1, 2 &3 under PPP mode.

Over Dimensional Cargo (ODC) movement picked up on National Waterways. These are mainly pertaining to power projects coming up in the vicinity of NW-1 and refinery in NW-2. Three consignments of over dimensional heavy lift project cargo of NTPC from Kolkata to Barh (2 nos of 375 & 94 MT in Sept, 2008) and from Kolkata to Balia (1 no of 337 MT in Jan, 2009) have been moved in NW-1. Also project cargo of Bongaigaon Refinery from Kolkata to Jogighopa (2 no 480 and 520 MT in Feb, 2009) have been moved in NW-2.

Annexure

INLAND WATERWAYS AUTHORITY OF INDIA
CARGO MOVEMENT FOR NW-1, 2 & 3, Goa and Mumbai Waterways 2004-05 to 2008-09

STRETCH	2003-04	2005-06	2006-07	2007-08	2008-09	Type of cargo moved
NW-1 THE Ganga	MT	1,001,450	1,317,387	1,497,964	1,348,385	Cement, general cargo, rice, wood logs, packed and bulk edible oil, petroleum pol, lubricants, fly ash, pulses, stone chips & iron dust.
	TKM	410,880,280	580,317,191	709,153,891	705,570,044	
	BTKM	0.411	0.580	0.709	0.705	
NW-2 THE BRAHMAPU- TRA	MT	804,401	1,086,026*	1,304,114*	2,26,209#	Cement, building material, fertilizer, petrococoke, food grains, coal, plant & machinery, general cargo, etc. inter-district & inter state cargo & HSD.
	TKM	32,160,989	172,769,869	42,236,249	11,914,817	
	BTKM	0.032	0.173	0.042	0.012	
NW-3 WEST COST CANAL	MT	1,158,783	1,022,776	673,127	766,214	Sulphur, rock, phosphate, liquefied zinc, phosphoric acid Gas, furnace oil, concentrated, POL, zinc, & Potable water, lime shell with clay and other impurities etc.
	TKM	15,377,312	14,936,770	8,872,101	10,912,125	
	BTKM	0.015	0.015	0.009	0.011	
SUB TOTAL IN NWs	MT	2,856,256	3,426,189	3,475,205	2,340,808	
	TKM	365,353,168	768,023,830	760,262,241	728,396,986	
	BTKM	0.365	0.768	0.760	0.728	
THE GOA (Mormugao)	MT	35,000,000	40,500,000	38,500,000	45,580,000	Iron ore, iron ore pellets, coal & pig iron.
	TKM	1,698,840,460	1,965,250,000	1,925,000,000	2,279,000,000	
	BTKM	1.70	1.966	1.925	2.279	
Mumbai Waterways Dharmatar Creek	MT	7,720,709	11,897,322	12,906,154	10,155,962	Coal, cement, bauxite, iron ore pellets, stone, HR steel, project cargo and related raw material, Sulphur, rock phosphate, cement, lime stone & clinker.
	TKM	416,549,069	642,455,388	696,932,316	548,421,948	
	BTKM	0.416	0.642	0.697	0.548	
Grand Total	MT	45,576,965	55,823,511	54,881,359	58,076,770	
	TKM	2,480,742,697	3,375,729,218	3,382,194,557	3,555,818,934	
	BTKM	2.481	3.376	3.382	3.555	

- Note: 1. These figures are collected by IWA local offices from IWT operators.
2. Data for Goa Waterways received from Mormugao Port Trust, Goa Owners Association and for Dharmatar creek from Maharashtra Maritime Board.
3. Average IWT distance of 50 Kms in Goa and 54 in Mumbai Waterways considered.
• Subject to final report of IWT, Assam.
Updated information from IWT, Assam still awaited.

15. FINANCIAL PERFORMANCE

A. INCOME & EXPENDITURE

During the financial year 2008-09 a sum of Rs. 8171.40 lakhs was received from the Government of India, Ministry of Shipping and a sum of Rs. 267.41 lakhs was earned by the Authority by way of interest on short term deposits, sale of tender forms and usage of open stock yards and storage places etc. The scheme-wise expenditure is indicated below:

(Rs. in Lakhs)

	Name of the scheme	Expenditure	
		Previous Year 2007-08	Current Year 2008-09
1.	Technical Studies	100.00	82.18
2.	Loan Interest Subsidy / IVBBS	185.70	26.53
3.	National Waterway No.1		
	a. River Conservancy Works	1286.76	1225.86
	b. Construction of Cargo berth	1155.37	2373.55
	c. Construction Dredgers & allied vessels	629.23	178.70
	d. Procurement of Cargo Vessel	84.29	95.33
	e. Procurement of steel Pontoon	-	932.30
	f. Procurement of survey launches	886.31	-
	g. Procurement of Survey Equipment	-	25.05-
	h. Installation Night Navigation		106.86
	i. Installation of DGPS Station		262.75
4.	National Waterway No. 2		
	a. River Conservancy Works	732.57	679.26
	b. Construction of Terminal	-	184.98
	c. Construction of Hy Surface dredger	10.44	-
	d. Construction of Dredgers & allied vessels	1258.47	2191.91
	e. Procurement of Sr. Equipments	-	17.58
	f. Construction of steel Pontoon	-	144.66
	g. Acquisition of survey launch	152.28	-

	Name of the scheme	Expenditure	
		Previous Year 2007-08	Current Year 2008-09
5.	National Waterway No. 3		
	a. Development works	557.50	207.02
	b. Construction of Terminals	436.82	218.60
	c. Procurement of Survey Equipments	-	1.75
	d. Night Navigation	105.55	-
	e. Procurement of Dredging unit	206.31	602.40
6.	Training of IWT Personnel including NINI	27.95	77.11
7.	IWT Development Fund	97.91	193.92
8.	Establishment (including I. Tax)	1124.00	2287.40
9.	Joint Venture/BOT Project	50.00	4.98
	TOTAL	9087.46	12120.68

B. SOURCE AND APPLICATION OF FUNDS

(Rs.in lakhs)

	Name of the scheme	Expenditure	
		Previous year 2007-08	Current year 2008-09
	SOURCE		
1.	Increase in Capital grant	6064.65	6852.17
2.	Decrease in capital work in progress	636.23	233.52
	TOTAL	6700.88	7085.69
	APPLICATION		
1.	Increase in fixed assets	6028.73	6114.29
2.	Increase in capital work in progress	-	-
3.	Increase in working capital	672.15	971.40
	TOTAL	6700.88	7085.69

16. PERSONNEL AND ADMINISTRATION

As on 31-03-2009, 28 officers & 55 staff at the head office and 58 officers & 188 staff in the field offices were in position. The Authority has approved a restructuring proposal based on the report of National Productivity Council. The proposal is under active consideration of the Govt.

The authority is committed to implementation of official language policy of the union in all its activities in a progressive manner. Hindi workshops and other related activities were periodically organised at the head office and regional offices. Hindi week was organised at the head office and regional offices. On this occasion different types of Hindi competitions were organised in all the offices.

The Authority was awarded Rajbhasha Shields on 18-07-2008 for its performance during 2001-02, 2002-03, 2003-04 and 2004-05 by the Ministry of Shipping under its Official Language incentive scheme named Rajbhasha Shield Yojna.

The First Sub-Committee of Committee of Parliament on Official Language made Official Language related inspection of the Regional Office, Kolkata on 04.10.2008.

The Authority has been entrusted with the additional responsibility of implementing the official language policy of the Union in all the member offices of the Town Official Language Implementation Committee (T.O.L.I.C.), Noida by the Department of Official Language of the Ministry of Home Affairs. The chairman of the Authority is the chairman of T.O.L.I.C., Noida. A half-yearly meeting was organised to discuss problems and difficulties being faced by the member offices of the T.O.L.I.C., Noida.



Chairman, I.W.A.I., the ex-officio chairman of T.O.L.I.C., Noida lighting candles in the 20th meeting of T.O.L.I.C., Noida.



Chairman, T.O.L.I.C. distributing Hindi Talent Award to meritorious students in the 20th meeting of T.O.L.I.C., Noida.

ACKNOWLEDGEMENT

IWAI places on record its appreciation of the sincere efforts and contribution made by the employees at all levels.

IWAI also acknowledges the assistance and support given by the Ministry of Shipping, Road Transport and Highways, Comptroller & Auditor General of India, other Government Departments and other agencies.

FOR AND ON BEHALF OF
INLAND WATERWAYS AUTHORITY OF INDIA

Sd/-
(S. P. GAUR)
CHAIRMAN

PLACE : NOIDA
DATED : 29-10-2009

INLAND WATERWAYS AUTHORITY OF INDIA

ACCOUNTING POLICIES

1. TREATMENT OF EXPENSES

Expenditure on hydrographic survey, techno-economic study, bandalling, bottom-panelling, dredging, temporary structure in channel marking and maintenance of vessels, etc. is treated as revenue expenditure whereas expenditure on permanent structures in channel marking, cost of vessels, survey launches, tugs, barges, dredgers, etc. is treated as capital expenditure.

2. DEPRECIATION

Depreciation has been provided on straight line method on the basis of rates in Schedule XIV of the Companies Act 1956 as per Notification No. 1/12/92-CL, V; Circular No. 14/93 dated 20.12.1993. Depreciation on library books has been charged @ 100 % on straight line method. Figures shown in brackets () in column 5 and 9 of Schedule II indicate deduction from Gross Block and Depreciation respectively. Depreciation is charged for the whole year in the year of purchase and no depreciation is charged in the year of disposal/sale.

3. CAPITAL WORK IN PROGRESS

The work in progress is accounted on actual cost basis and includes payments made to contractors for work done and certified.

4. STORES, SPARES AND TOOLS

Stores, spares and tools are valued at cost.

5. PRIOR PERIOD ADJUSTMENTS

Income and expenditure in excess of Rs. 1000/- each for item relating to previous year / years is credited / debited as the case may be to this account.

6. PROVISIONS

- (i) Provision for known liability is created in respect of any expenditure if the value exceeds Rs. 1000/-.
- (ii) Provision for leave encashment on retirement in respect of regular employees is created as per Accounting Standard 15 issued by Institute of Chartered Accountant of India.

- (iii) Provision for bonus is created on adhoc basis as declared by Central Government in previous year in respect of autonomous bodies.
- (iv) Provision for pension contribution / gratuity has been made as per IWAI Employees Pension Fund Regulations, 1993.

7. TREATMENT OF GRANTS

The Authority will have no revenue generation except for grant from the Govt. till such time National Waterways become fully operational for public use and tariff rates, levies and fees are fixed. As such, out of grants received from the Government, expenditure incurred on revenue account is classified as revenue grant, payments towards assets are classified as capital grant and balance, if any, are treated as grants received in surplus (under current liabilities).

For and on behalf of the Authority

Sd/-
(S. Jayaraman)
Chief Accounts Officer

Sd/-
(Pradeep Kumar)
Member (Finance)

Sd/-
(S.P.GAUR)
Chairman

INLAND WATERWAYS BALANCE SHEET AS

PREVIOUS YEAR (RUPEES)	CAPITAL & LIABILITIES	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
1	2	3	4	5
	CAPITAL			
9,437,244	Capital u/s 11(i)(c)		9,437,244	
3,828,160,032	Capital Grant u/s 18		4,513,376,699	
(500,221,656)	Less replacement reserve		(615,960,402)	
(5,497,332)	Lease rent written off		(5,911,238)	3,900,942,303
	RESERVES & SURPLUS			
3,463,144	Capital Reserves		3,463,144	
(3,463,144)	Deduction		(3,463,144)	-
	General Reserves Deduction			
	BORROWINGS			
	CURRENT LIABILITIES & PROVISIONS.			
331,559,716	Current Liabilities	I	221,163,454	
36,322,950	Provisions		146,260,796	
62,460,247	Deposits held on account of others		82,342,104	449,766,354
3,762,221,201	TOTAL			4,350,708,657

Schedule I to VII form an integral part of accounts.

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

AUTHORITY OF INDIA

ON 31ST MARCH 2009

PREVIOUS YEAR (RUPEES)	PROPERTY & ASSETS	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
6	7	8	9	10
	FIXED ASSETS	II		
2,178,053,273	Gross Block		2,789,481,936	
(503,684,800)	Less Depreciation		619,423,546	
	Net Block			2,170,058,390
26,582,684	Lease land		26,582,684	
(5,497,332)	Less written off		(5,911,238)	20,671,446
781,927,772	Capital work-in-progress			758,575,492
5,000,000	INVESTMENTS (AT COST)			5,300,000
	CURRENT ASSETS, LOANS & ADVANCES	III		
	Stores, Spares & Tools		43,227,019	
44,404,882	(At Cost)		-	
	Sundry Debtors			
858,595,693	Deposits, Loans & Advances		1,039,735,187	
376,839,029	Cash & Bank Balances		147,201,691	1,230,163,897
	MISC. EXPENDITURE			
-	Income & Expenditure Account (Debit Balance)			165,939,432
3,762,221,201	TOTAL			4,350,708,657

For and on behalf of the Authority

Sd/-
(Pradeep Kumar)
Member (Finance)

Sd/-
(S.P.GAUR)
Chairman

INLAND WATERWAYS INCOME & EXPENDITURE FOR

PREVIOUS YEAR (RUPEES)	EXPENDITURE	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
1	2	3	4	5
	OPERATIONAL & MAINTENANCE EXPENSES	IV		
	Pay & Allowances & other staff costs		162,360,410	
57,389,798	Surveying		35,126,388	
27,649,462	Dredging		31,342,829	
22,451,673	Bandalling		33,090,298	
29,024,787	Aids to Navigation & Channel Marking		13,031,214	
-	Barging		-	
23,864,125	Terminal Facilities		24,075,917	
16,230,875	Repairs of Vessels		16,121,054	
18,620,676	Training Institute NINI		7,711,204	
7,178,390	Night Navigation		37,941,477	
25,145,508	Maintenance of lock			
28,378,406	Bank Protection		41,164	
18,141,201	River Training Work		407,059	
	Other Administrative & Misc. Expenses		9,516,381	370,765,395
8,563,787	ADMINISTRATIVE EXPENSES			
	Pay & Allowances & Other Staff Costs	V		83,059,560
30,998,251	General & Other Expenses	VI		13,331,330
13,684,433	Financing Charges			
	Bank Commission/Charges			95,474
49,012	Interest			
	Research & Development Expenses			
	Bad debts written off			
	Foreign Exchange			
	Technical Studies & Consultancy Charges			8,217,786
6,584,504	BOT Expenses			497,500
-	Depreciation			117,473,084
87,458,065	Subsidy			2,652,749
18,599,070	Loss on sale/ valuation/ written off of assets			866,715
-	IWT Promotional Activities			19,392,329
11,709,398	Income tax			27,331,286
20,129,756	Prior Period Adjustment account			2,136,728
479,676	TOTAL			645,819,936
472,330,853				

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

AUTHORITY OF INDIA

THE YEAR ENDED 31st MARCH, 2009

PREVIOUS YEAR (RUPEES)	INCOME	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
6	7	8	9	10
357,979,772	Revenue Grant from Govt			501,605,557
22,705,736	Interest/ Income			21,416,577
	Consultancy fees			
	Storage & Handling Charges			
	Wharfage			
-	Demurrage			
10,000	Pilotage Charges			26,500
806,170	Berthing Charge			397,059
1,509,891	Others			1,821,037
1,732,131	Misc. Receipts			3,065,122
60,000	Rent terminal			15,000
	Capital reserve as per Contra			
	Replacement reserve as per Contra			
87,458,065				117,473,084
69,088	Profit on sale of fixed assets			-
				-
				-
-	Prior Period Adjustment Excess of expenditure over income carried over to Balance Sheet			-
				-
472,330,853	TOTAL		-	645,819,936

Sd/-
(Pradeep Kumar)
Member (Finance)

For and on behalf of the Authority
Sd/-
(S.P. GAUR)
Chairman

OTHER SCHEDULES & AUDIT REPORT

SCHEDULE - I
CURRENT LIABILITIES & PROVISIONS AS ON 31.03.2009

Previous year	Particulars	Current Year (Figure in rupees)	
	A) CURRENT LIABILITIES		
355,669	(i) Liability for sundry Creditors	1,078,451	
122,551,899	(ii) Liability for Expenses	214,426,176	
203,742,792	(iii) Grant Received in surplus	-	
4,909,356	(iv) Others	5,658,827	221,163,454
	(B) PROVISIONS		
2,100,570	(i) Provision for Gratuity	2,443,149	
534,408	(ii) Provision for Leave Salary & pension contribution	815,450	
739,126	(iii) Provision for Bonus	999,280	
4,246,111	(iv) Provision for pension & gratuity contribution	111,413,474	
28,702,735	(iv) Provision for leave encashment.	30,589,443	146,260,796
	(C) DEPOSITS HELD ON ACCOUNT OF OTHER		
62,460,247	Sundry parties		82,342,104
430,342,913	TOTAL		449,766,354

For and on behalf of the Authority

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

Sd/-
(Pradeep Kumar)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2008	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2009 (3+4+5)
1	2	3	4	5	6
NOIDA	Survey Equipment	4,417,634	-		4,417,634
	Vehicles	2,080,393			2,080,393
	Furniture & Fixture	3,455,495	141,346		3,596,841
	Office Equipment	2,090,635	24,709	-	2,115,344
	Electric Installation	1,118,026			1,118,026
	Air Conditioners	3,377,527			3,377,527
	Water Coolers & Refrigerators	84,286	54,200		138,486
	Fans & Air-Coolers	1,157,802			1,157,802
	Generator Set	1,148,720			1,148,720
	Cycle	27,711	-		27,711
	Temporary Structure	502,260	37,000		539,260
	Library Books	773,373	27,027		800,400
	Computer	13,786,265	42,846		13,829,111
	Communication equip.	778,471	-		778,471
	Building	24,937,527			24,937,527
	Computer Software	657,408	-		657,408
	Residence Quarter	30,732,753			30,732,753
	TOTAL (A)	91,126,286	327,128		91,453,414
CALCUTTA	Haldia Terminal	21,276,571	262,000		21,538,571
	Vehicles	825,960		387,681	1,213,641
	Furniture & Fixture	588,722	142,404		731,126
	Office Equipment	306,221	108,770	-	414,991
	Electric Installation	34,573	-		34,573
	Survey Instruments	21,385,319	618,260		22,003,579
	Library Books	91,465	6,320		97,785
	Speed Boats	2,961,016	-		2,961,016
	Vessels Ordinary	111,856,185	1,250,892		113,107,077
	Fans & Air Coolers	54,043	-		54,043
	Communication Network	450,413	-		450,413
	Barges	9,203,376	75,789,652		84,993,028
	Cycles	3,340	2,635		5,975
	Vessel Dredging Unit	68,817,427	28,204,148		97,021,575
	Computers	1,561,015	114,832		1,675,847
	Computers Software	967,816	136,968		1,104,784
	Night Nav. Equipment	22,375,864	3,016,200	(3,702,895)	21,689,169
Air Conditioner	46,600	45,400		92,000	
Crane	-	-		-	
Generator Set	22,100	-		22,100	
	TOTAL (B)	262,828,026	109,698,481	(3,315,214)	369,211,293

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

SCHEDULE-II

AUTHORITY OF INDIA ASSETS AS ON 31-03-2009

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2009 (7+8+9)	NET BLOCK AS ON 31.3.2009 (6-10)
AS ON 31.03.2008 7	FOR THE YEAR 8			
1,795,725	209,838		2,005,563	2,412,071
1,375,167	197,637		1,572,804	507,589
2,301,403	189,086	-	2,490,489	1,106,352
700,331	87,051	-	787,382	1,327,962
498,486	50,307	-	548,793	569,233
1,247,472	160,433		1,407,905	1,969,622
	-			
33,731	6,112		39,843	98,643
508,412	53,627	-	562,039	595,763
398,025	54,564	-	452,589	696,131
14,324	1,529	-	15,853	11,858
502,260	37,000		539,260	-
773,373	27,027		800,400	-
11,483,107	813,469	-	12,296,576	1,532,535
193,298	36,977		230,275	548,196
3,658,338	406,482		4,064,820	20,872,707
291,533	106,566		398,099	259,309
3,005,664	500,944		3,506,608	27,226,145
28,780,649	2,938,649		31,719,298	59,734,116
10,430,873	1,023,082		11,453,955	10,084,616
664,595	83,402	257,810	1,005,807	207,834
283,998	37,700		321,698	409,428
117,534	19,027	-	136,561	278,430
4,597	1,642		6,239	28,334
7,632,261	727,372		8,359,633	13,643,946
91,465	6,320		97,785	-
1,797,813	132,380		1,930,193	1,030,823
41,202,075	3,776,123		44,978,198	68,128,879
16,274	2,566		18,840	35,203
170,581	21,395		191,976	258,437
2,797,992	2,838,767		5,636,759	79,356,269
1,200	422		1,622	4,353
65,376,556	1,974,290		67,350,846	29,670,729
963,161	175,434		1,138,595	537,252
313,766	179,086		492,852	611,932
6,922,715	1,030,238		6,545,857	15,143,312
12,155	4,370	(1,407,096)	16,525	75,475
			-	-
3,150	1,050	-	4,200	17,900
138,802,761	12,034,666	(1,149,286)	149,688,141	219,523,152

For and on behalf of the Authority

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2008	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2009 (3+4+5)
1	2	3	4	5	6
PATNA	Land	13,556,092	75,350		13,631,442
	Vehicle	886,075		-	886,075
	Furniture & Fixture	3,848,125		(24,271)	3,823,854
	Office Equipment	921,309	34,960	-	956,269
	Electric Installation	30,916			30,916
	Air Conditioners	667,949	39,616	-	707,565
	Fans & Air Coolers	32,925			32,925
	Water Coolers & Refrigerators	-			-
	Refrigerators	351,432		-	351,432
	Generator Set	719,333			719,333
	Survey Instruments	19,521,959	507,027		20,028,986
	Vessels: Dredging Unit	232,988,283			232,988,283
	Vessels: Ordinary	136,752,802			136,752,802
	Speed Boat	2,442,151	546,750	(243,000)	2,745,901
	Barges	75,750,520			75,750,520
	Temporary Structure	170,050			170,050
	Cycle	2,672			2,672
	Computer	3,800,393		20,962	3,821,355
	Library Books	64,792		2,410	67,202
	Survey Equip(compu)	4,069,640		802,890	4,806,702
	Survey Pillars	274,419		375,576	649,995
	Communication Equip.	1,052,901			1,052,901
	Building	54,987,598			54,987,598
Terminals-	297,044,148		841,610	297,885,758	
Night Navigation bouys			9,277,200	9,277,200	
CRANE	44,807,338			44,807,338	
TOTAL (C)	894,743,822	12,524,351	(333,099)	906,935,074	
GUWAHATI	Communication Equipment	1,459,976			1,459,976
	Vehicles	590,523			590,523
	Furniture & Fixture	524,730	28,249		552,979
	Office Equipment	272,032	83,200	(99,360)	255,872
	Electric Installation	29,479			29,479
	Fans & Air-Coolers	17,416			17,416
	Survey Instruments	13,621,464	1,757,559		15,379,023
	Cycle	680			680
	Library Books	24,027	5,875		29,902
	Vessel Speed Boat	3,155,336			3,155,336
	Generator Set	36,100			36,100
	Computer	3,350,455	16,599		3,367,054
	Terminals- Pandu	25,394,716	409,782,730		435,177,446
	Night Navigation Equip.	11,243,114			11,243,114
	Barges	89,852,395			89,852,395
	Vessels - Ordinary	171,699,223			171,699,223
Pandu Terminal	1			1	
Vessels Dredging Unit	114,760,468	56,408,296		171,168,764	
CRANE	44,969,796			44,969,796	
Air Conditioner	25,950			25,950	
TOTAL (D)	481,027,881	468,082,508	(99,360)	949,011,029	

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

SCHEDULE-II

AUTHORITY OF INDIA ASSETS AS ON 31-03-2009

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2009 (7+8+9)	NET BLOCK AS ON 31.3.2009 (6-10)
AS ON 31.03.2007 7	FOR THE YEAR 8			
-			-	13,631,442
816,569	41,931	(142,524)	715,976	170,099
1,352,951	242,050	(1,536)	1,593,465	2,230,389
334,036	45,423		379,459	576,810
27,654	1,469		29,123	1,793
168,002	33,609		201,611	505,954
29,507	1,564		31,071	1,854
-			-	-
75,297	16,693		91,990	259,442
179,663	34,168	-	213,831	505,502
9,146,107	951,377		10,097,484	9,931,502
111,268,509	16,309,180	-	127,577,689	105,410,594
14,142,975	4,567,544		18,710,519	118,042,283
1,215,630	194,135	(17,180)	1,392,585	1,353,316
15,876,534	2,530,067		18,406,601	57,343,919
170,050			170,050	-
2,538			2,538	134
3,655,728	80,324	(122,285)	3,613,767	207,588
64,792	2,410		67,202	-
2,089,581	778,686	(10,677)	2,857,590	1,949,112
128,406	21,905		150,311	499,684
650,772	50,013		700,785	352,116
4,209,479	896,298	-	5,105,777	49,881,821
14,109,597	14,149,574		28,259,171	269,626,587
	440,667		440,667	8,836,533
6,256,729	1,496,565		7,753,294	37,054,044
185,971,106	42,885,652	(294,202)	228,562,556	678,372,518
772,974	68,958		841,932	618,044
461,961	24,760		486,721	103,802
347,481	29,974		377,455	175,524
111,730	12,007	(33,040)	90,697	165,175
18,147	1,065		19,212	10,267
14,211	520		14,731	2,685
3,485,359	720,128	-	4,205,487	11,173,536
646	-		646	34
24,027	5,875		29,902	-
823,376	223,083		1,046,459	2,108,877
17,150	1,715		18,865	17,235
2,348,087	288,333		2,636,420	730,634
2,320,694	20,670,929		22,991,623	412,185,823
2,741,756	534,049	-	3,275,805	7,967,309
13,951,168	3,001,071		16,952,239	72,900,156
19,922,668	5,734,754		25,657,422	146,041,801
-			-	1
47,155,763	11,981,814		59,137,577	112,031,187
4,505,973	1,501,991		6,007,964	38,961,832
7,398	1,233		8,631	17,319
99,030,569	44,802,259	(33,040)	143,799,788	805,211,241

For and on behalf of the Authority

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2008	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2009
1	2	3	4	5	6 (3+4+5)
BHAGALPUR	Buoys	54,467			54,467
	Vehicle	152,658			152,658
	Furniture & Fixtures	119,184	12,490	-	131,674
	Office Equipment	41,275	8,250		49,525
	Electric Installation	3,227			3,227
	Fans & Air Coolers	5,899			5,899
	Survey Instruments	2,210,143	-		2,210,143
	Barges	561,255			561,255
	Cycle	701			701
	Library Books	15,256	1,850		17,106
	Communication Equipment	157,026			157,026
	Land	36,734			36,734
	Computers	156,580	46,249		202,829
		-			-
	TOTAL (E)	3,514,405	68,839	-	3,583,244
KOCHI	Vehicle	383,614	-		383,614
	Furniture & Fixtures	629,145			629,145
	Office Equipment	232,999	-		232,999
	Fans & Air Coolers	43,425	-		43,425
	Air-Conditioner	67,595	-		67,595
	Survey Instruments	9,593,858	579,280		10,173,138
	Communication Equipment	734,727	-		734,727
	Generator	354,969	-		354,969
	Computer	3,214,592	152,955		3,367,547
	Survey Launch	4,983,591	-		4,983,591
	SPEED BOATS	1,120,418	-		1,120,418
	Land (Terminals)	97,461,216	-		97,461,216
	Land Widening	107,533,525	-		107,533,525
	Library Books	17,442	2,405		19,847
	Building	3,968,162			3,968,162
	Terminal	90,662,368	2,305,414		92,967,782
	Dredger	23,864,741	-		23,864,741
	Night Navigation	26,274,108	3,625,600		29,899,708
	Foot Over Bridge Thottappally	2,109,000	-		2,109,000
	Fork Lifts	6,370,925	-		6,370,925
	Hydraulic Cranes	51,854,885	17,090,292		68,945,177
	RCC Jetty K AKKANAD		1,024,439		1,024,439
	RCC Jetty Maradu	1,786,183	-		1,786,183
	Tempory Terminal	1,196,370	-		1,196,370
	TOTAL (F)	434,457,858	24,780,385	-	459,238,243
ALLAHABAD	Land - Terminal	2,405,763			2,405,763
	Computer	229,349			229,349
	Furniture & Fixtures	166,441			166,441
	Office Equipment	67,304			67,304
	Fans & Air Coolers	12,155			12,155
	Library Books	17,425	5,000		22,425
	Vehicle	387,681		(387,681)	-
	Electrical Installation	24,950			24,950
	Survey Instruments	4,051,978	18,000	-	4,069,978
	TOTAL (G)	7,363,046	23,000	(387,681)	6,998,365

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

SCHEDULE-II
**AUTHORITY OF INDIA
ASSETS AS ON 31-03-2009**
(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2009	NET BLOCK AS ON 31.3.2009
AS ON 31.03.2007	FOR THE YEAR			
7	8	9	(7+8+9) 10	(6-10) 11
50,025	2,587		52,612	1,855
151,776			151,776	882
91,827	8,335	-	100,162	31,512
30,586	2,352		32,938	16,587
1,586	153		1,739	1,488
4,814	280		5,094	805
938,733	104,982		1,043,715	1,166,428
436,546	39,288		475,834	85,421
650			650	51
15,256	588		15,844	1,262
136,145	7,459		143,604	13,422
			-	36,734
148,751	9,634		158,385	44,444
-			-	-
2,006,695	175,658	-	2,182,353	1,400,891
287,407	36,443		323,850	59,764
319,123	36,466		355,589	273,556
99,021	11,069		110,090	122,909
9,684	1,984		11,668	31,757
24,792	3,211		28,003	39,592
3,002,110	451,811		3,453,921	6,719,217
151,291	34,900		186,191	548,536
32,650	16,862		49,512	305,457
2,278,729	295,113		2,573,842	793,705
1,619,515	166,452		1,785,967	3,197,624
237,642	79,214		316,856	803,562
-	-		-	97,461,216
-	-		-	107,533,525
17,442	2,405		19,847	-
367,161	64,681		431,842	3,536,320
17,301,214	4,415,968		21,717,182	71,250,600
11,566,705	1,670,533		13,237,238	10,627,503
3,454,546	1,420,236		4,874,782	25,024,926
200,356	100,178		300,534	1,808,466
450,425	450,425		900,850	5,470,075
3,666,140	4,874,424		8,540,564	60,404,613
	48,661		48,661	975,778
84,844	84,844		169,688	1,616,495
1,196,370	-		1,196,370	-
46,367,167	14,265,880	-	60,633,047	398,605,196
-			-	2,405,763
174,302	17,401		191,703	37,646
75,002	10,535		85,537	80,904
26,719	2,944		29,663	37,641
3,318	578		3,896	8,259
17,425	5,000		22,425	-
257,810	-	(257,810)	-	-
8,295	1,185		9,480	15,470
1,569,845	159,161	-	1,729,006	2,340,972
2,132,716	196,804	(257,810)	2,071,710	4,926,655

For and on behalf of the Authority

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2008	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2009
					(3+4+5)
1	2	3	4	5	6
VARANASI	Furniture & Fixtures	101,821			101,821
	Computer	68,880	58,800		127,680
	Office Equipment	51,252			51,252
	Fans & Air Coolers	5,875			5,875
	Vehicle	243,069			243,069
	Communication Equipment	59,764			59,764
	Library Books		525		525
	Survey Instruments	2,461,288			2,461,288
	TOTAL (H)	2,991,949	59,325	-	3,051,274
	GRAND TOTAL (A+B+C+D+E+F+G+H)	2,178,053,273	615,564,017	(4,135,354)	2,789,481,936
	PREVIOUS YEAR	1,575,180,733	603,532,758	(660,218)	2,178,053,273

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

SCHEDULE-II
**AUTHORITY OF INDIA
ASSETS AS ON 31-03-2009**

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2009	NET BLOCK AS ON 31.3.2009
AS ON 31.03.2008	FOR THE YEAR			
7	8	9	10 (7+8+9)	11 (6-10)
38,571	6,445		45,016	56,805
64,074	20,697		84,771	42,909
13,514	2,434		15,948	35,304
1,395	279		1,674	4,201
138,552	23,092		161,644	81,425
15,469	3,133		18,602	41,162
	525		525	
321,562	116,911		438,473	2,022,815
593,137	173,516	-	766,653	2,284,621
503,684,800	117,473,084	(1,734,338)	619,423,546	2,170,058,390
416,853,941	87,458,065	(627,206)	503,684,800	1,674,368,473

For and on behalf of the Authority

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

SCHEDULE III

CURRENT ASSETS, LOANS & ADVANCES AS ON 31.3.2009

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (Figures in rupees)	
	a) STORES, SPARES & TOOLS (AT COST)		
28,764,936	1) Marine Spare Parts	29,311,766	
6,631,847	2) Permanent Stores	6,626,255	
39,591	3) Consumables & Marking Material	3,204	
220,092	4) Stationary	247,493	
8,495,179	5) POL Stock	6,849,158	
253,237	6) Others	189,143	43,227,019
	b) SUNDRY DEBTORS		
	1) Secured		
	2) Unsecured		
	-- Considered Good		
	1) more than 6 months		
	2) less than 6 months		
	-- Considered Doubtful		
	c) DEPOSITS, LOANS & ADVANCES		
9,524,796	1) Advance to staff	8,817,418	
122,553	2) Departmental Advance	137,416	
827,143,346	3) Advance to Contractors & Suppliers	997,065,246	
9,573,519	4) Deposits	9,555,081	
6,967,434	5) Claims Recoverable	16,750,074	
420,295	6) Prepaid Expenses	87,601	
4,843,750	7) Others	7,322,351	1,039,735,187
	d) CASH & BANK BALANCES		
40,470	1) Cash/Stamps in-hand	26,588	
118,994,559	2) Cash with Scheduled Banks	(16,032,897)	
1,000,000	3) Remittance in transit	670,000	
256,804,000	4) Short term deposit	162,538,000	147,201,691
1,279,839,604	TOTAL		1,230,163,897

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

SCHEDULE - IV
**OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2009**

Previous Year (Rupees)	Particulars	Current Year (Figures in Rupees)	
	NATIONAL WATERWAY NO.1		
	1. Pay & Allowances & Other		
44,309,553	Staff Costs	128,027,267	
	2. Works Expenses		
17,957,513	(i) Surveying	22,239,664	
8,808,187	(ii) Dredging	14,734,152	
10,427,268	(iii) Bandalling	16,459,280	
	(iv) Aids to navigation & Channel marking	8,151,504	
18,539,353	(v) Terminal Facilities	13,377,315	
9,471,265	(vi) Repairs of Vessels	9,864,054	
12,088,137	(vii) Night Navigation	13,112,271	
10,306,852	(viii) Training Expenses	7,711,204	
7,178,390	(ix) River Training Work	115,947	
17,834,368	3. Other Administrative & Misc. Expenses	7,393,252	241,185,910
	NATIONAL WATERWAY NO.2		
	1. Pay & Allowances & Other		
7,657,015	Staff Costs	19,685,709	
	2. Works Expenses		
6,712,862	(i) Surveying	7,350,038	
18,597,519	(ii) Bandalling	16,631,018	
	(iii) Aids to navigation & Channel marking	4,879,710	
4,834,512	(iv) Terminals	7,798,380	
4,798,571	(v) Dredging	5,381,306	
4,707,127	(vi) Repairs of Vessels	6,083,844	
4,651,219	(vii) Night Navigation	19,147,188	
11,847,581	(viii) River Training Work	291,112	
306,833	3. Other Administrative & Misc. Expenses	750,550	87,998,855
666,643			

Contd.....

SCHEDULE - IV

**OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2009**

Previous Year (Rupees)	Particulars	Current Year (Figures in Rupees)	
	NATIONAL WATERWAY NO.3		
	1. Pay & Allowances & Other		
5,423,230	Staff Costs	14,647,434	
	2. Works Expenses		
2,979,087	(i) Surveying	4,418,867	
8,936,359	(ii) Dredging	11,227,371	
490,260	(iii) Channel marking	-	
2,991,075	(iv) Night Navigation	5,682,018	
1,961,039	(v) Terminal Facilities	2,900,222	
1,881,320	(vi) Repair of vessel	173,156	
	(vii) Maintenance of lock gate		
28,378,406	(viii) Bank Protection	41,164	
	3. Other Administrative & Misc.		
876,244	Expenses	822,265	39,912,497
	KALADAN PROJECT		
	1. Pay & Allowances & Other		
	Staff Costs		
	2. Works Expenses		
	(i) Surveying	1,117,819	
	(ii) Dredging		
	(iii) Terminal Facilities		
	(iv) others		
	3. Other Administrative & Misc.		
	Expenses	550,314	1,668,133
282,638,688	TOTAL		370,765,395

For and on behalf of the Authority

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

SCHEDULE V
**PAY & ALLOWANCES & OTHER STAFF COSTS
FOR THE YEAR ENDED 31-3-2009**

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
	PAY & ALLOWANCES & OTHER STAFF COSTS	
20,644,526	i) Pay & Allowances	42,480,614
32,000	ii) Honorarium	53,500
2,059,642	iii) Medical Reimbursement	2,826,846
37,192	iv) Daily Wages	57,919
360,320	v) OTA	361,628
185,205	vi) Bonus	404,058
534,408	vii) Leave Salary & Pension Contribution	1,038,247
2,796,397	viii) Rent for Residence	1,637,631
23,435	ix) Liveries	69,256
462,734	x) Staff welfare Expenses	436,794
27,940	xi) Tuition fees	587,599
2,513,206	xii) Pension & Gratuity Contribution	31,912,651
1,155,128	xiii) Leave Encashment	621,014
166,118	xiv) LTC Exp.	571,803
30,998,251	TOTAL	83,059,560

For and on behalf of the Authority

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

SCHEDULE VI

GENERAL & OTHER EXPENSES FOR THE YEAR ENDED 31.3.2009

PREVIOUS YEAR (FIGURES IN RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
1,841,056	i) Repairs & Maintenance	2,127,971
234,092	ii) Staff Recruitment Expenses	339,066
1,003,550	iii) Postage, Telephone & Telegram	967,017
923,033	iv) Printing & Stationery	799,804
1,965,429	v) Vehicle Running & Maintenance	1,646,731
44,558	vi) Advertisement & Publicity	94,375
187,253	vii) Conveyance	
	Reimbursement	169,074
2,862,100	viii) Traveling Expenses	
	---Inland	2,261,604
1,407,430	---Abroad	416,278
112,744	ix) Newspaper & Periodicals	106,693
35,639	x) Misc. Expenses	39,658
21,128	xi) Consumables	74,978
1,244,492	xii) Electricity & Water Charges	1,481,195
853,170	xiii) Audit Fees & expenses	1,818,393
540,740	xiv) Legal Charges	341,291
53,808	xv) Seminar & Workshop/Conference	36,350
295,644	xvi) Hindi Promotion	538,575
58,567	xvii) Authority meeting expenses	72,277
13,684,433	TOTAL	13,331,330

For and on behalf of the Authority

Sd/-
(S. JAYARAMAN)
Chief Accounts Officer

Sd/-
(PRADEEP KUMAR)
Member (Finance)

Sd/-
(S. P. GAUR)
Chairman

SCHEDULE- VII
NOTES FORMING PART OF ACCOUNTS AS ON 31.3.2009

1. Capital work in progress amounting to Rs. 7,585.75 lakhs (previous year Rs. 7,819.28 lakhs) consists of following::

	Name of Party	Purpose	Amount (Rs. in lakhs)
a)	Neptune Marine (P) Ltd.	Construction of Work Boats	107.95
b)	HDPE	Construction of cargo vessels	735.76
c)	CPWD	Construction of high level jetty Pandu	165.33
d)	HDPE	Construction of Hy. Surface dredger	470.68
e)	CPWD	Construction of terminals in NW- 3	337.94
f)	CPWD	Construction of high level jetty at Gaighat	242.53
g)	NSDRC	Design and modification of Hy. Surface dredger	5.40
h)	Marine Electronic Navigation System	Supply of Radars	22.52
i)	M/s. Star tech. (P) Ltd.,	Construction of dredgers and Work Boats	805.33
j)	M/s. Tebma Shipyards Ltd.,	Construction of dredgers	2263.15
k)	HDPE	Construction of work Boat	1313.00
l)	D.P. Sharma	Construction of DGPS Station	50.96
m)	CPWD – Allahabad	Construction of Allahabad terminal	46.00
n)	NF – Railway	Construction BG siding at Pandu	281.79
o)	Techno steel & Craft	Construction of Pontoon	167.12
p)	Elcome Marine Service (P) Ltd.,	Supply of DGPS	211.79
q)	Shiv Shakti Marine Service	Supply of Beacon Light/Tower	20.96
r)	CPWD	Construction of GR Jetty	140.15
s)	A.C. Roy & Co.,	Construction of Steel Pontoon	197.39
Total			7585.75

2. During the year 2008-09, the Authority has incurred the following expenditure in respect of Chairman and full time Members::

Salary	House Rent	Leave Salary & pension contribution	Medical reimbursement	Travelling Expenses		Total
				Foreign	Inland	
33,95,755	9,13,473	15,22,448	1,09,831	4,74,019	8,40,703	70,76,952
Previous Year -						
15,39,615	14,63,088	3,33,948	39,614	11,63,181	14,84,789	60,24,235

During the year Chairman IWAI visited (i) Myanmar twice regarding Indo–Myanmar Multimodal Kaladan Project, and Member(Cargo) of IWAI has also visited (i) Beijing to participate in the Annual General assembly of international Navigation Association (ii) Dhaka to discuss the Bilateral issue for renewal of Indo-Bangladesh Protocol, on above tours, Authority has incurred Rs. 4.74 lakhs.

3. Land costing Rs. 244.49 lakhs (previous year Rs. 244.49 lakhs) was acquired during 1993-94 for construction of R&D-cum-Office complex at Noida on lease hold basis for 90 years and Rs. 2.72 lakhs (previous year Rs. 2.72 lakhs) is being written off every year.
4. (i) ITAT has given decision for the assessment years 1988-89 to 1997-98 (excluding Assessment year 1990-91) ruling that the grant of the authority is a capital grant hence not taxable. While giving effect to ITAT order, ACIT, Noida has issued fresh assessment order in which the misc. receipt of authority has been treated as income. Against the said order, authority has filed appeal with CIT (Appeals) Ghaziabad, and the same has been dismissed by the CIT (Appeals) Ghaziabad. Authority has filed further appeal with ITAT, New Delhi against the order of CIT. ITAT, New Delhi has passed orders to CIT (Appeals) to hear the case and review decision. CIT (Appeals) has dismissed the appeals and Authority has filed Appeals with ITAT, New Delhi against the orders of CIT (Appeals). However, appeal for A.Y. 1990-91 is still pending with CIT (Appeals).

(ii) ACIT Noida has also imposed penalty in response to fresh assessment orders and raised demand. An appeal against the said penalty order was also filed with CIT (Appeals), Ghaziabad, and same was dismissed Authority has filed appeals with ITAT, New Delhi against the order of CIT (Appeals) and same was disposed by ITAT as allowed for statistical purposes. ACIT Noida has been asked to refund the penalty as per ITAT, New Delhi order. During the year, balance Penalty amount of Rs. 2.73 crore has been taken from bank by way of attachment of account by the I.T. department.

(iii) The Income Tax department has also filed an appeal in High Court of Allahabad against the order of ITAT, New Delhi for the said ten assessment years.

(iv) The Authority has been registered under section 12A w.e.f. 1.4.1998 with Income Tax department. The authority got the exemption/notification u/s 10(23C)(iv) from CBDT/CCIT-Ghaziabad for Assessment Year 1998-99 to 2009-10. For renewal of exemption u/s 10(23C)(iv) from the Assessment year 2010-11 onwards, application has already been filed with CIT - Ghaziabad. The renewal is awaited.
5. A sum of Rs. 2,991 lakhs (previous year Rs. 2,991 lakhs) was released as deposit to Executive Engineer, Patna Central Division-II, CPWD in connection with construction of one General Cargo Berth at Gaighat, Patna and Rs. 357 lakhs (previous year Rs. 357 lakhs) for construction of National Inland Navigation Institute (NINI) at Patna. Out of this, a sum of Rs. 2,644.72 lakhs (previous year Rs. 2,970.44 lakhs including approach road and floating terminal) has been capitalised on account of Gaighat Terminal and Rs. 534.49 lakhs has been capitalized towards final cost for construction of NINI.

6. A sum of Rs. 201.50 lakhs (previous year Rs. 202.00 lakhs) was paid to Govt. of Bihar towards cost of 6.5 acres of land for NINI in 1998. Out of the above, 2.18 acres land has not been handed over to IWAI so far. Govt. of Bihar has been asked to provide the balance land or refund the amount. Their reply is awaited. For this reason, proportionate cost of the land Rs. 67.58 lakhs (previous year Rs. 68.33 lakhs) has been shown as advance to Govt. of Bihar.
7. A sum of Rs. 1,003.48 lakhs (previous year Rs. 993 lakhs) towards cost of land for 11 terminal sites (area 12.4714 hectare) was made as advance payment to Govt. of Kerala till March 31, 2004. Out of this, 12.5103 hectares of land for 11 no. of terminals sites has been taken over and capitalized for Rs. 974.61 lakhs till March 31, 2009 (previous year Rs. 974.61 lakhs). Authority is liable to pay interest on land acquisition as per order of court.
8. Till March 31, 2007, a sum of Rs. 1,622.50 lakhs (previous year Rs. 1,622.00 lakhs) towards cost of construction of 11 terminals in NW- 3 has been paid to CPWD. Out of this, Rs. 929.68 lakhs (previous year Rs. 906.62 lakhs) as terminal & Rs. 39.68 lakh (previous year Rs. 39.68 lakhs) as building has been capitalized.
9. For acquisition of land for widening of canals in NW- 3 measuring 21.28 hect. an advance of Rs. 1271.71 lakhs (previous year Rs. 1221 lakhs) was released to Govt. of Kerala. Out of this, land valued at Rs. 1075.34 lakhs (area 21.2592 hectares) has been received and therefore capitalized (previous year Rs. 1075.34 lakhs).
10. A sum of Rs. 1,373 lakhs (previous year Rs. 1373 lakhs) has been released as deposit to Executive Engineer, Patna Central Division – II, CPWD in connection with construction of high level general cargo berth at Gaighat, Patna. Out of this, a sum of Rs. 242.53 lakhs (previous year Rs. 32.45 lakhs) has been charged to Capital Works in Progress.
11. A sum of Rs. 1,770 lakhs (previous year Rs. 1770.00 lakhs) has been released as deposit to CPWD – Guwahati in connection with construction of high level general cargo berth at Pandu, Guwahati. Out of this a sum of Rs. 165.33 lakhs (previous year Rs. 9.08 lakhs) has been charged to capital works in progress.
12. A sum of Rs. 1030 lakhs (previous year Rs. 1030 lakhs) has been released as deposit to NF Railway Guwahati in connection with construction of BG siding at Pandu Terminal, Guwahati and out of above Rs. 281.79 lakhs (previous year Rs. 33.08 Lakhs) has been shown as capital work progress.
13. A sum of Rs. 35.20 lakhs (previous year Rs. 35.20 lakhs) has been released as advance to DM – Allahabad for acquisition of land for Allahabad Terminal. During the FY 2005-06, an amount of Rs. 24.06 lakhs towards cost of 8.759 hectare land has been capitalized.

14. 53 nos. flats at Sector 34, Noida were taken over on 05.12.2002 from Director General of Light Houses & Light Ships (DGLL) Ministry of Shipping for staff of IWAI at a total transfer price of Rs. 225.28 lakhs plus transfer fee, stamp duty etc. The quarters have been taken over and repaired and allotted to IWAI employees. Hence, Rs. 307.33 lakhs (previous year Rs. 307.33 lakhs) has been capitalized. However, transfer in the name of IWAI could not be registered since the flats have not yet been registered in the name of first owner DGLL. After persuasion with DGLL for making payment of land rent, etc. to Noida, the initial registration is under process with Noida. Thereafter it will be transferred in the name of IWAI.
15. Two vessels namely MOT Tug III and Flat Turni have been declared condemned by the Authority. Their scrap value has been assessed as Rs. 18.75 lakhs and Rs. 7.05 lakhs respectively. For disposal of both the vessels open tender had been called. Due to some reasons, the work was not awarded to the highest bidder. Highest bidder has filed a case in lower court against the decision of the Authority. The decision of court is awaited. MOT Tug – III has been received from CIWTC with out cost. Hence token value of Rs. 1.00 has been taken in accounts.
16. A Claim was lodged with M/s Oriental Insurance Co. for Rs. 34.47 lakhs towards loss of Buoys and Lights including penal interest since 2004. Insurance Company has agreed for Rs. 23.93 lakhs only. Decision of Oriental Insurance Company is not acceptable to Authority and Authority has again asked the insurance company to settle the claim immediately.
17. There are three Arbitration cases pending before the Arbitrators. These cases relate to capital dredging works in NW-3 having a contingent liability of Rs. 33.02 Crores. Further, there are 4 cases in Hon. High Court of Kerala, 2 cases in Lower Courts of Noida and Balasore and 14 service related cases in the Hon. High Courts of Allahabad, Guwahati, Kolkata and Patna. Apart from the above, there are 209 LAR cases and 211 LAA cases pending in various Courts and High Court of Kerala respectively for payment of higher compensation for land acquisition involving approximately an amount of Rs. 20 Crores.
18. 47 nos. of Buoys with chair, anchor and accessories and 7 day marks have been lost at Kolkata region. Authority has lodged the insurance claim of Rs. 28.91 lakhs. The reply from insurance company is awaited. The cost of Buoys has been written off and a loss of Rs. 8.12 lakhs has been shown in Income and expenditure account.
19. During March 2005, the Authority has signed agreement with M/s HDPEL Kolkata for construction and delivery of Floating Dry Dock at a cost of Rs. 8.73 crore excluding taxes and cost of spare parts. The Authority has cancelled the contract and the amount released to HDPEL, Kolkata Rs. 261.90 lakhs against the contract has been shown as advance to contractor.

For reviewing the project, a committee was formed and committee recommended that the work may be given to M/s HDPEL again. After this, the cost of project has been increased by HDPEL due to increase in steel price etc. The proposal was placed before the Authority and as discussed thereon, the rate quoted by HDPEL is to be properly justified. In the mean time, Authority is also trying to adjust the amount already paid without affecting overall progress of works assigned to the company.

20. Authority has appointed M/s IL&FS Infrastructure Development Corporation Ltd. as Project Development Organisation for identification and development of IWT projects on PPP mode. Authority has contributed Rs. 50,00,000/- towards its 50% share in the initial corpus of the Project Development Fund for undertaking development of projects. The contributed amount has been shown as investment.
21. Ministry of External Affairs (MEA), Govt. of India has appointed IWAI as Project Development consultant for construction of multi modal transit transport facility on Kaladan river connecting the sittwe port in Myanmar with the State of Mizoram in India. Authority has received first installment of consultancy fee of Rs. 2.949 crores on 9.4.2009 as per sanction order dated 30.03.2009 issued by MEA. During the year 2008-09 an amount of Rs. 16.68 lakhs has been incurred on the project by the Authority and the same is charged to expenditure account.
22. During the year, the actuarial valuation has been done through Life Insurance Corporation of India, New Delhi for pension fund, gratuity fund and leave encashment fund. As per valuation certificate of LIC, an amount of Rs. 11.37 crores has been provided for pension and gratuity contribution and Rs. 18.87 lakhs for leave encashment in F.Y. 2008-09. It has also been decided that the Authority will take policies from LIC for pension, gratuity and leave encashment for employees of the Authority.
23. Authority has entered into share holders agreement in three JV projects for three companies namely (i) M/s. Royal Logistics (ship) Ltd, Kolkata (ii) M/s. SKS Waterways Ltd, Kolkata and (iii) M/s. Vivada Logistics Pvt. Ltd. Kolkata. As per share holders agreement with M/s. Royal Logistics (ship) Ltd, Kolkata and M/s. SKS Waterways Ltd, Kolkata the initial authorized share capital of the company is Rs. 5.00 lakhs each and same was required to be contributed in the ratio of 70% by J.V. company and 30% by IWAI. Accordingly, during the year Authority has contributed its share of Rs. 1.50 lakhs to each company as initial authorized share capital.
24. During the year a Bank Guarantee No. 2003/15 dated 31.12.2008 issued by State Bank of India, Mumbai of Rs. 53.98 lakhs, deposited by M/s. Neptune Marine (Pvt.) Ltd, towards mobilisation advance for construction of work boat has been invoked and money has been received.

25. A sum of Rs. 42.20 lakhs has been extracted by initiating RR proceedings by Kochi Corporation with the help of attachment by Revenue Tahisildar Ernakulam from official Current Account of IWAI-Kochi towards enhanced amount of rent arrears of office building occupied by IWAI Kochi at 2347-N, Paramara Shopping Complex, Paramara Road, Kochi-18 for the period 1st January 1999 to 31st August 2006.
- The Authority has filed a writ petition in Kerala High Court on 06.03.2009 against Kochi Corporation to recover the seized amount.
26. Bank guarantees valued at Rs. 1866.89 lakhs (previous year Rs. 1630.46 lakhs) have been received from the contractors / suppliers towards security deposit, Earnest money and mobilization advance against the works / contracts awarded to them till March 31, 2009.
27. Subsidy of Rs. 26.53 lakhs (previous year Rs. 185.99 lakhs) was released during FY-2008-09.
28. In Companies Act schedule, depreciation rate for some fixed assets used for inland waterways has not been provided. Hence, Authority is charging depreciation on Barges @ 3.34%, Terminals @ 4.75%, Crane @ 3.34%, dredgers @7% and night navigation equipment @ 4.75%.
29. Re-grouping and re-classification has been done where considered necessary.
30. All the figures are rounded off to the nearest rupee.

For and on behalf of the Authority

Sd/-

(S. JAYARAMAN)

Chief Accounts Officer

Sd/-

(PRADEEP KUMAR)

Member (Finance)

Sd/-

(S.P. GAUR)

Chairman

Audit Report of the Comptroller & Auditor General of India on the Accounts of Inland Waterways Authority of India for the year ended 31st March 2009.

We have audited the attached Balance Sheet of Inland Waterways Authority of India (Corporation) as at 31st March 2009 and the Income and Expenditure Account for the year ended on that date under section 23 of the Inland Waterways Authority of India Act, 1985 (IWAI Act, 1985) and rule 28 (3) of the Inland Waterways Authority of India Rules, 1986 (IWAI Rules, 1986) as amended in 2002 vide Notification No. GSR 449 dated 10.10.2002. These financial statements include the accounts of units/branches of the Corporation. These financial statements are the responsibility of the Corporation's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

Based on our audit, we report that:

- i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet and Income and Expenditure Account dealt with by this report have been drawn up in the format approved by the Government of India under section 34(2) (g) of the IWAI Act, 1985 and rule 28(2) of IWAI Rules, 1986.
- iii. In our opinion, proper books of accounts and other relevant records have been maintained by the Corporation as required under Section 34(2) (g) of the IWAI Act, 1985 in so far as it appears from our examination of such books.
- iv. We report that the Balance Sheet and Income and Expenditure Account dealt with by this report are in agreement with the books of account.

- v. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting policies and Notes on Accounts, and subject to the significant matters stated above and other matter stated in Annexure-I to this Audit report give a true and fair view in conformity with accounting principles generally accepted in India.
- a) In so far as it relates to the Balance Sheet, of the state of affairs of the corporation as at 31st March 2009: and
- b) In so far as it relates to Income and Expenditure Account, of the income/expenditure for the year ended on that date.

A review of accounts showing the summarized financial results of the Corporation for the last three years is given in Annexure-II.

Place : New Delhi
Date : 16 October 2009

Sd/-
(Birendra Kumar)
Principal Director of Commercial Audit
ex-officio Member, Audit Board-I
New Delhi

Annexure-I**1. Adequacy of Internal Audit/Control System:**

Internal Control: The Authority has not prepared any Accounting system Manual for proper maintenance of uniform accounting records in Head Office as well as in all sub-accounting units. No periodical monitoring of the objects was being undertaken. No MIS was being generated for information of the management with regard to implementation and Status of projects.

The Authority has submitted that internal auditor for 09-10 an external Chartered Accountant firm has been appointed and the accounting manual is expected to be prepared by the year end.

- 2. System of Physical verification of Fixed Assets:** The fixed assets have been physically verified by the management annually.
- 3. System of Physical Verification of Inventory:** The inventory has been physically verified by the management annually.
- 4. Regularity in payment of statutory dues:** No Statutory dues were outstanding for more than six months

Annexure – II

Summarised Financial Results of Inland Waterways Authority of India For The Year Ended 31st march 2009 By The Comptroller And Auditor General of India

1. FINANCIAL POSITION

The table below summarizes the financial position of Authority under broad headings for the last three years..

(Rupees in Crore)

	Liabilities	2006-07	2007-08	2008-09
a)	Capital under section 1.1 (i) (c) of the Act.	0.94	0.94	0.94
b)	Capital grant under Section 18 of the Act.			
	i) Capital Grant less Replacement Reserve and lease rent written off.	280.32	332.25	389.15
	ii) Lons	-	-	-
c)	Reserve & Surplus			
	i) Free reserve	-	-	-
	ii) Capital Reserve	-	-	-
d)	i) Current Liabilities & Provisions	42.95	42.82	44.74
	ii) Provision for gratuity	0.19	0.21	0.25
	Total	324.40	376.22	435.08
e)	Gross block	157.52	217.81	278.95
f)	Less: Cumulative Depreciation	41.69	50.37	61.94
g)	i) Net Block	115.83	167.44	217.01
	ii) Leasehold land	2.15	2.11	2.07
h)	Capital work in progress	84.55	78.19	75.86
i)	Investments	-	0.50	0.53
j)	Current Assets, Loans & Advances	121.87	127.98	123.02
k)	Miscellaneous Expenditure (Income & Expenditure Account)	-	-	16.59
	Total	324.40	376.22	435.08
l)	Working Capital (j-d(i) & (ii))	78.73	84.95	78.03
m)	Capital Employed (g(i)&(ii) + 1)	196.71	254.50	297.11
n)	Net Worth (a c (i) – k)	0.94	0.94	(15.65)
o)	Net Worth per Rupee of Capital under section 11 (i) (c) of Act	1	1	(16.65)

2. LIQUIDITY

Percentage of current Assets to Current Liabilities and Provisions (excluding gratuity provision) which is a measure of liquidity was 283.75, 298.88 and 274.97 during 2006-07, 2007-08 and 2008-09 respectively..

3. SOURCES AND UTILISATION OF FUNDS

Fund amounting to Rs. 666.15 crore from external sources were generated and utilized by the Authority during the year 2008-09 as per details given below:-

A. Source of Funds	(Rupees in Crore)
i) Increase in Capital Grant	56.90
ii) Decrease in Capital Work in progress	2.33
iii) Decrease in Working Capital	6.92
Total	66.15
B. Utilization of Funds	
i) Increase in Fixed Assets (net)	49.53
ii) Increase in Investment	0.03
iii) Deficit for the year	16.59
Total	66.15

Place : New Delhi
Date : 16 October 2009

Sd/-
(Birendra Kumar)
Principal Director of Commercial Audit
ex-officio Member, Audit Board-I
New Delhi

REPLIES OF MANAGEMENT ON COMMENTS *Vide* CAG AUDIT REPORT ON THE ACCOUNTS FOR THE YEAR ENDED 31ST MARCH 2009

Annexure-I

(1) Adequacy of Internal Audit/Control System:

Internal Control : The Accounting Manual has been prepared through external chartered accountant firm. The same will be adopted by the year end.

As regards periodical monitoring of projects, it is being undertaken by the Management. The projects are also reviewed in every Authority's meeting. Requisite MIS is also being generated for monitoring implementation of projects. Further, a standard format for review of progress of plan schemes has also been devised for the management for review of implementation of projects at different levels periodically.

