

## MEMBERS OF THE AUTHORITY

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	<b>Shri S.P. Gaur, IAS</b> (From 08-02-2008 to till date)		
<b>Vice-Chairman</b>	<b>Shri Susheel Kumar, IAS</b> (From 31-03-2006 to 06-11-2007)	0120-2544009	0120-2544009
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<b>Member</b>	<b>Shri Rajiv Gupta</b> Joint Secretary, (Shipping & IWT) Deptt. of Shipping	011-23710189	011-23722855

## OTHER DETAILS

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## REGIONAL OFFICES

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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 Waterway Road N.. H. 47 Bye pass, Kannadikkadu Maradu, Ernakulam - 682 304 (Kerala)	0484-2389804 0484-2389208	0484-2389445

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INLAND WATERWAYS AUTHORITY OF INDIA Office Building No. 1 FBP Office Complex P. O. Farakka Barrage Distt. Murshidabad (WB).	09232532934 09474189086	--
INLAND WATERWAYS AUTHORITY OF INDIA S.M. College Road Chhoti Khanjarpur Bhagalpur - 821 001 (Bihar)	0641-2400651 0641-2401251	0641-2400651
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 360/F/44, Nawab Yusuf Road, Civil Lines, Allahabad - 211 006 (U.P.)	0532-2561151 0532-2560537	0532-2561152

## 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. India's transport system comprises a number of distinct modes namely; railways, roadways, inland waterways, coastal shipping and airways. In the liberalised economy of the country when private sector is expected to contribute large share in the GDP, it is necessary that Government takes adequate measures to make available an optimum mix of these transport modes.

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 atleast to a threshold level at which private sector would come up for development of infrastructure as well. India has an extensive network of rivers, canals, creeks etc. of about 14,500 kms, of which 5700 kms are navigable with mechanized vessels.

In the 19<sup>th</sup> century, and first half of 20<sup>th</sup> century, IWT an important mode of transport and navigation by power crafts and country boats played significant role in development of trade and commerce along several rivers and canals. The advent of railways and extension of its network made a dent in 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 20<sup>th</sup> century except in a few areas namely, Assam, Goa, Kerala, Mumbai, West Bengal, and some other coastal areas (where it has natural advantages and no developmental intervention was needed), the IWT sector was marginalised.

However, considering its inherent advantages, the need for systematic development of this 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.

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. Therefore, the first step towards intervention by Central Government/IWAI for development and regulation of any particular waterway is its declaration as a National Waterway.

Since formation of IWAI, three waterways namely Ganga, Brahmaputra and West Coast Canal have been declared as National Waterways and three more waterway systems are under process of declaration as National Waterways.

IWAI provides and maintains infrastructural facilities namely fairway, terminals and navigational aids on the three National Waterways. It also operates cargo vessels on NW-1 (the Ganga) for demonstrative voyages. For making the three National Waterways fully functional by providing threshold level of these infrastructural facilities, IWAI has prepared an Action Plan which is under implementation and is targeted to be completed in 2010.

In the last few years, movement of cargo by IWT mode in organised sector has shown upward trend and increased from 1.63 billion tonne km (btkm) in 2003-04 to 3.38 btkm in 2007-08. But it still forms insignificant part of the total transport network. In terms of tonne kilometer of total inland cargo movement, its share is about 0.34% only, (considering total inland cargo of about 1,000 billion ton km). The target is to increase the modal share of IWT to 20 billion tonne km by 2025.

## **2. INLAND WATERWAYS AUTHORITY OF INDIA**

Inland Waterways Authority of India (IWAI) was constituted on 27th October, 1986 vide IWAI Act 1985 (82 of 1985) for development and regulation of inland waterways of the country. The Authority 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.

## NATIONAL WATERWAY NO. 1 (NW-1)

Ganga-Bhagirathi-Hooghly river system from Allahabad to Haldia (1620 kms) – declared as National Waterway in 1986.



Ganga-Bhagirathi-Hooghly River System - National Waterway No. 1

## National Waterway No. 2 (NW-2)

The Brahmaputra river from Sadiya to Dhubri (891 kms) – declared as National Waterway in 1988.



**Brahmaputra river-National Waterway No. 2**



## National Waterway No. 3 (NW-3)

The West Coast Canal from Kollam to Kottapuram along with Champakara and Udyogmandal canals (205 kms) – declared as National Waterway in 1993.



West Coast Canal from Kollam to Kottapuram along with Champakara and Udyogmandal Canals - National Waterway No. 3

### 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 (RC) 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 (RC 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.

#### National Waterway No.1

**Fairway Development:** - To maintain LAD of 2 m between Haldia and Varanasi and 1.5 m between Varanasi and Allahabad, RC works i.e. bandalling and dredging were carried out between Tribeni and Allahabad (1424 Km.). The stretch between Haldia and Tribeni (196 km) is tidal and the LAD of more than 2 m is maintained naturally therein. During 2007-08, 1020 m of bandals were erected and maintained in Tribeni-Farakka (364 km), and 15000 m in Farakka-Allahabad (1060 km) stretches. In addition,

92,000 m<sup>3</sup> of dredging was also done in Tribeni-Farakka stretch by deploying one Cutter Suction Dredger (CSD), which is owned by IWAI. LAD of 2.5 m was maintained between Haldia and Farakka (560 km) round the year. While LAD of 1.8 to 2 m for 330 days was maintained between Farakka and Patna (460 km) except at one location just upstream of Farakka lock where regular dredging is required in the post monsoon season due to excessive siltation in the Farakka barrage pond. 1.5 m LAD Between Patna and Varanasi (363 km) and 1.2 m between Varanasi-Allahabad was maintained for about 237 days. During 2007-08, an important project for construction and supply of two CSD units [a unit comprises one Cutter Suction Dredger (CSD), one Work Boat (WB) and one Accommodation Boat (AB)] was sanctioned by the Government at a cost of Rs 37.82 cr and work was also awarded to separate shipbuilders. The construction work was in progress. Construction of seven survey vessels was also completed during the year and the vessels were deployed on the waterway.

**Terminals:** - Construction of low-level jetty of fixed terminal (capable of handling containers) at Patna which was completed during last year was formally taken over by IWAI. For construction of high-level jetty of this terminal, CPWD completed the design and tendering process progressed. Based on tendered rates CPWD increased the cost from Rs. 13.73 cr to Rs 29.14 Cr due to which Revised Cost estimate (RCE) was prepared and submitted to the Department of Shipping (DoS) for sanction. Simultaneously, Government of Bihar was requested for acquiring 1 acre of land to be handed over to IWAI for this high level jetty. For permanent terminal at GR jetty, and floating terminal at Allahabad, IWAI had entrusted the work to CPWD on deposit basis and design/tendering etc was progressed by them. For construction of permanent terminal at Varanasi, M/s. MECON were requested to take up the construction work on turn key basis. 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 possibly under Project Development Organisation/Project Development Committee (PDO/PDC) mechanism, IWAI has with M/s. IL&FS – IDC. Floating terminals exist at Haldia, Kolkata, Rajmahal, Sahibganj, Manihari, Bhagalpur, Semaria, Patna, Ballia, Kaithy, Varanasi, Chunar and Allahabad. These terminals were maintained and used for transportation of cargo. For construction and supply of six terminal pontoons for upgrading floating pontoons at Haldia, Diamond harbour, Kolkata, Shantipur, Katwa and Farakka tendering was carried out which had to be repeated due to inadequate response.

**Navigational Aids:** - Channel marks for day navigation were erected and maintained between Tribeni and Allahabad round the year. Besides, fortnightly thalweg surveys were carried out, river notices issued and

pilotage provided to the cargo vessels. Night navigation aids were also maintained between Tribeni and Farakka (364 km). For providing state of art 24 hrs navigation aids in the entire waterway, a Committee under the chairmanship of Director General Light Houses & Lightships (DGLL) had suggested a combination of lights mounted on buoys/country boats, trestle towers and DGPS stations. For this, tenders for DGPS instruments, trestle towers, buoys and lights etc were invited. Action to take over land for setting up of DGPS stations at Shantipur, Bhagalpur, Patna and Varanasi were initiated.

## National Waterway No.2

**Fairway Development:** - To maintain LAD of 2 m between Dhubri and Dibrugarh (768 km) and 1.5 m between Dibrugarh and Sadiya (123 Km), RC works i.e. bandalling and dredging were carried out. During 2007-08, 21,900 m of bandalls were erected and maintained in the entire waterway. In addition, 71,000 m<sup>3</sup> of dredging was also done by deploying one CSD and one Hydraulic Surface Dredger (HSD) which are 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. The construction work was in progress. Construction of two survey vessels was also completed during the year and the vessels were deployed on waterway.

**Terminals:-** Construction of low level jetty of fixed terminal (capable of handling container) at Pandu progressed and by the end of 2007-08, it was nearly completed. For construction of high-level jetty of this terminal, CPWD completed the design and tendering process progressed. Based on tendered rates, CPWD increased the cost from Rs 17.70 Cr to Rs 24.58 Cr due to which RCE was prepared and submitted to the DoS for sanction. 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 3 terminal pontoons for upgrading floating pontoons at Tezpur, Neamati and Dibrugarh tendering was carried out which had to be repeated due to inadequate response. 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 Pandu (255 km). Besides, fortnightly thalweg surveys were carried out, river notices issued and pilotage provided to cargo vessels.

For providing state of art 24 hrs navigation aids in the entire waterway, a Committee under the chairmanship of DGLL, had suggested a combination of lights mounted on buoys/country boats, trestle towers and DGPS stations. For this, tenders for DGPS instruments, trestle towers, buoys and lights were invited. Action to take over land for setting up of DGPS stations at Jogighopa, Tejpur and Dibrugarh were initiated.

### National Waterway No.3

**Fairway Development:** - Fairway development works including maintenance dredging, and 24 hrs navigational aids are taken up on year to year basis. Accordingly, these works were taken up during 2007-08 also. Moreover, bank protection works in some stretches were completed during the year and for taking up more such works in critical areas the tenders were invited.

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 2<sup>nd</sup> phase during September 2002. Work in Kochi-Allapuzha sector was completed and in Kochi-Kottapuram sector barring 4.83 Km dredging was completed in the entire stretch of 30 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 27.41 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 m<sup>3</sup> out of which 23.98 lakh m<sup>3</sup> has been dredged and 16.35 lakh m<sup>3</sup> 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), tenders were floated during the year to cover entire scope of balance works and based on the tendered rates of various items, revised cost estimate was prepared at a cost of Rs 89.74 Cr and after its approval by IWAI Board, it was submitted to DoS for Government sanction which was awaited.

**Terminals:** Terminals at seven locations namely Kottapuram, Aluva, Maradu, Viakom, Taneermukham (Chertala), Trikkunnapuzha and Kayamkulam have already been provided and 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 8<sup>th</sup> terminal at Kollam was entrusted to CPWD on deposit basis and the same was in progress. For providing facilities for mechanical handling at these terminals,

8 mobile cranes and 8 fork lifts were procured while procurement of 8 platform trucks for these terminals was in progress.

**Navigational Aids:** Project for providing and maintaining 24 hrs navigational aids by way of buoys and lights had been completed during the year and now the entire waterway has the facility for 24 hrs navigation.

#### **4. ACTION PLAN FOR MAKING EXISTING NATIONAL WATERWAYS FULLY FUNCTIONAL**

During 2006-07 an Action Plan was prepared for making three National Waterways fully functional by March 2008 subject to availability of funds. Under this Action Plan, specific projects were identified for development of fairway, 24 hrs navigational aids, judicious mix of fixed and floating terminals with mechanized handling facilities and access and egress by road/rail, procurement of vessels for development and maintenance of fairway (namely dredgers, survey launches etc.) and also some vessels for operating demonstrative cargo services. Besides development of NWs the Action Plan also included other projects namely IWT promotion, NINI, private sector investment through JVs, techno-economic studies, subsidy schemes and Central Sponsored Scheme for IWT development etc.

The Action Plan was originally prepared at a total cost of Rs 751.18 Cr. During 2006-07 and 2007-08 most of the projects were formulated and got sanctioned by respective competent authorities. However, the implementation of the projects could not progress as per the time lines set originally. This primarily was mainly due to two factors namely: delay in getting the sanction of the respective competent authorities due to procedural requirements and inadequate response to several tenders floated by IWAI mainly for procurement of vessels and capital dredging in NW-3. The reasons for poor response to tenders were therefore analysed and it was felt that in respect of tenders for vessels it was due to that most of the shipyards of the country were already saturated with the orders and they were not in a position to quote for further construction of vessels. In respect of tender for capital dredging in NW-3, poor response to tender was due to local problems and high rates.

This necessitated revision of the Action Plan both in terms of cost and timeframe. This revision was done during 2007-08 and it is estimated that various projects of the Action Plan will now be completed by March 2010. The total cost of the Action Plan has also gone up to Rs.961.64 Cr. The revised cost includes 796.95 Cr for 3 NWs and balance Rs.164.69 Cr for other projects.

For National Waterway No. 1 a total of 32 projects are conceptualized in the Action Plan (14 for fairway development including vessels for dredging, survey etc, 3 for navigational aids, 10 for terminals, 4 for

procurement of cargo vessels for demonstration purposes and 1 for vessel repair facility). Out of these, as on 31.3.07, 26 projects were sanctioned and remaining six were under process of sanction. For National Waterway No. 2 a total of 16 projects are conceptualized in the Action Plan (6 for fairway development including vessels for dredging, survey etc, 2 for navigational aids, 5 for terminals, 2 for procurement of cargo vessels for demonstration purposes and 1 for vessel repair facility). Out of these, 13 projects were sanctioned and remaining 3 were under process of sanction. For National Waterway No. 3 a total of 12 projects are conceptualized in the Action Plan (7 for fairway development including vessels for dredging, survey etc, 2 for navigational aids, 2 for terminals and 1 for procurement of cargo vessel for demonstration purposes). Out of these, 10 projects were sanctioned and remaining 2 were under process of sanction. Sanctioned projects are under implementation

## 5. PROPOSED NEW NATIONAL WATERWAYS

Declaration of the following waterways as National Waterways is in final stage:

- (i) Kakinada-Puducherry canals consisting of Kakinada canal, Eluru canal, Commamur canal, Buckingham canal and Kaluvelly tank along with Bhadrachalam-Rajahmundry stretch of River Godavari and Wazirabad-Vijayawada stretch of River Krishna (1095 km) in the States of Andhra Pradesh and Tamil Nadu and Union Territory of Puducherry.
- (ii) Talcher-Dhamra stretch of Brahmani-Kharsua-Dhamra river system along with Geonkhali-Charbatia stretch of East Coast Canal, Charbatia - Dhamra stretch of Matai river and Mahanadi delta river system between Mangalgadi and Paradip (623 km) in the States of Orissa and West Bengal and;
- (iii) Barak river from Bhanga to Lakhipur (121 km) in the State of Assam

Bills for declaration of these waterways were introduced in the Parliament separately. The Bills were referred to the Parliamentary Standing Committee for examination. The Parliamentary Committee has examined each of these proposals and given its reports. Further action on the matter is being taken by the Department of Shipping (DoS).

## 6. CENTRALLY SPONSORED SCHEME FOR DEVELOPMENT OF IWT IN NORTH EASTERN STATES

For development of IWT sector by the State Governments, there was a Centrally Sponsored Scheme (CSS) under which 100% grant to the North Eastern States and 90% grant to the other States was being provided by the Central Government. This scheme activated various States for taking up IWT development

projects and during the 10th Plan, 35 projects of 15 States at a total cost of Rs 106.75 Cr were sanctioned and amount of Rs. 52.84 Cr was also released to the respective States. But the Planning Commission discontinued this scheme from the year 2007-08. For North East Region (NER) however, this scheme was classified by the Planning Commission as a Central Sector Scheme and transferred to the Ministry of Development of North Eastern Region (DoNER). However, the DoNER expressed its inability to execute this scheme due to which it was decided by the Planning Commission that it may be implemented by DoS. It was also decided by the Planning Commission that under this scheme also the State Government will be the executing agency and funding will be provided by the DoS which will also monitor the projects through IWAI. Subsequently, the guidelines of this new central sector scheme for NER were prepared by the DoS in consultation with IWAI and forwarded to the Planning Commission for vetting before finalisation.

## **7. INLAND VESSEL BUILDING SUBSIDY SCHEME**

In the 10<sup>th</sup> 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 11<sup>th</sup> 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.

## **8. PUBLIC PRIVATE PARTNERSHIP (PPP) PROJECTS**

With a view to provide an impetus to development of IWT mode, the Government of India had approved an Inland Water Transport Policy in 2001. This policy interalia envisages encouraging private sector participation in development of infrastructure and ownership and operation of inland vessels. Accordingly, IWAI Act was amended authorizing IWAI to enter into joint ventures.

For exploring possibility of such PPP projects, some priority projects were short-listed through a consultant (M/s. IFCI Ltd) and for some of these projects, bids were invited by IWAI. This initiative of IWAI succeeded in attracting private players to IWT sector and four Memorandum of Understanding (MOU) were signed during 2006-07 between IWAI and respective successful bidders for setting up and management of jetties at Bandel, Kolaghat and Budge-Budge in West Bengal and for acquisition, operation and management of barges on O-D pairs of Kolkata-Mongla, Kolkata-Dhubri and Kolkata-Pandu. Before signing of shareholders agreements between IWAI and respective bidders, the DoS was requested by IWAI for Government approval. Go ahead of the DoS was received in March 2008 and thereafter, further action for incorporation of Joint Venture Companies were initiated.



About 0.7 hectare of land is being leased out to a private firm at IWAI's terminal at Pandu on NW-2. They will develop facilities at this terminal for transportation of cement, clinker, gypsum, flyash, etc by IWT mode.

A project for transportation of about one million tonne per annum imported coal for use by NTPC at their power plant at Farakka is being developed by IWAI as a PPP project. The coal would be transported from Haldia to Farakka.

A project for connecting airport and seaport/city of Kochi through inland waterways is being formulated as a PPP project. 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.

## 9. 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 along with Godavari and Krishna rivers (ii) preparation of DPR for development of East Coast Canal along 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.

## 10. NATIONAL INLAND NAVIGATION INSTITUTE

The National Inland Navigation Institute (NINI) started functioning from Feb, 2004 with a view to impart training in the IWT field so as to get skilled personnel for Inland Vessels and undertaking various other activities in a professional manner.

Since beginning, Deck & Engine rating courses are being conducted regularly. A total of 866 trainees have passed out from NINI, out of which 165 were trained during 2007-08. To give wide publicity, a website (<http://www.iwai.nic.in/niniweb.htm>) has been launched and a brochure with course calendar has also been published. Efforts are being made to provide suitable placement to trainees on IWAI & private IWT fleet.



**NINI Class Room**



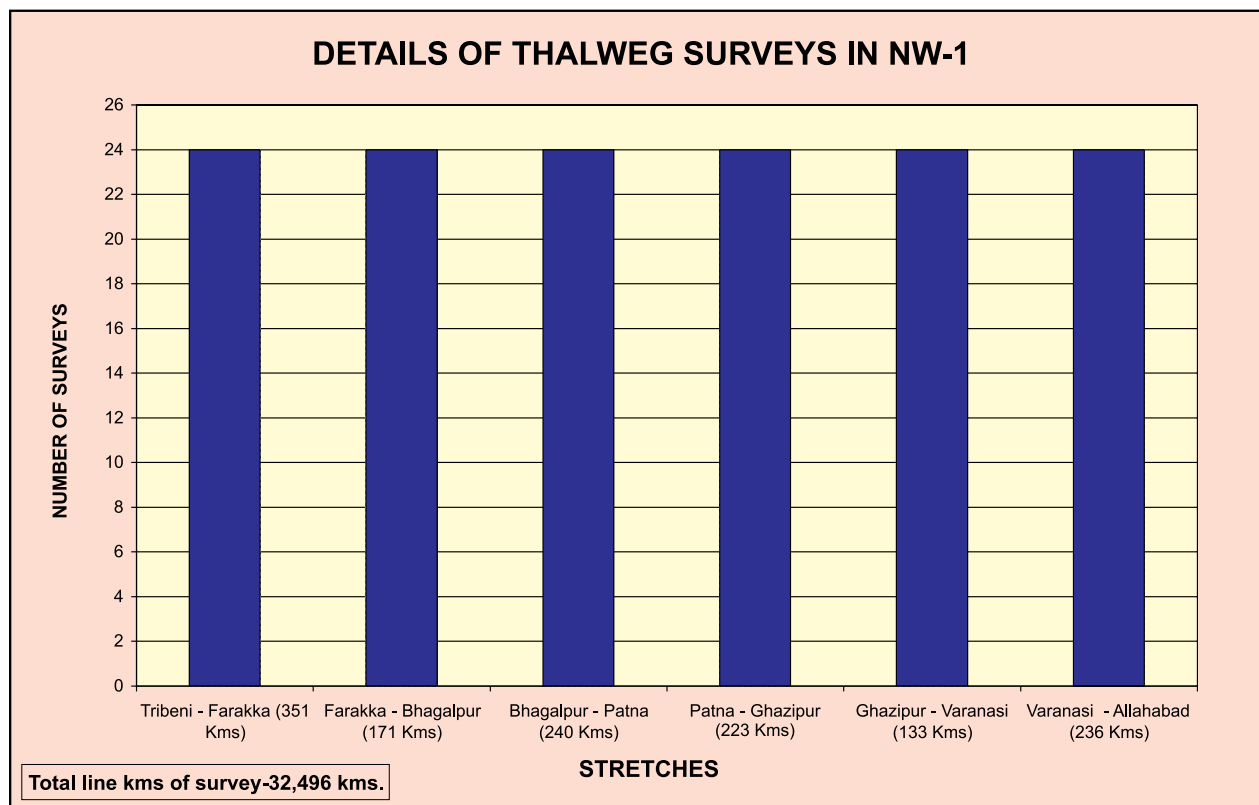
**Passing out session of Deck / Engine rating from NINI**

## 11. SURVEY ACTIVITIES DURING THE YEAR 2007-08

### NATIONAL WATERWAY No.1

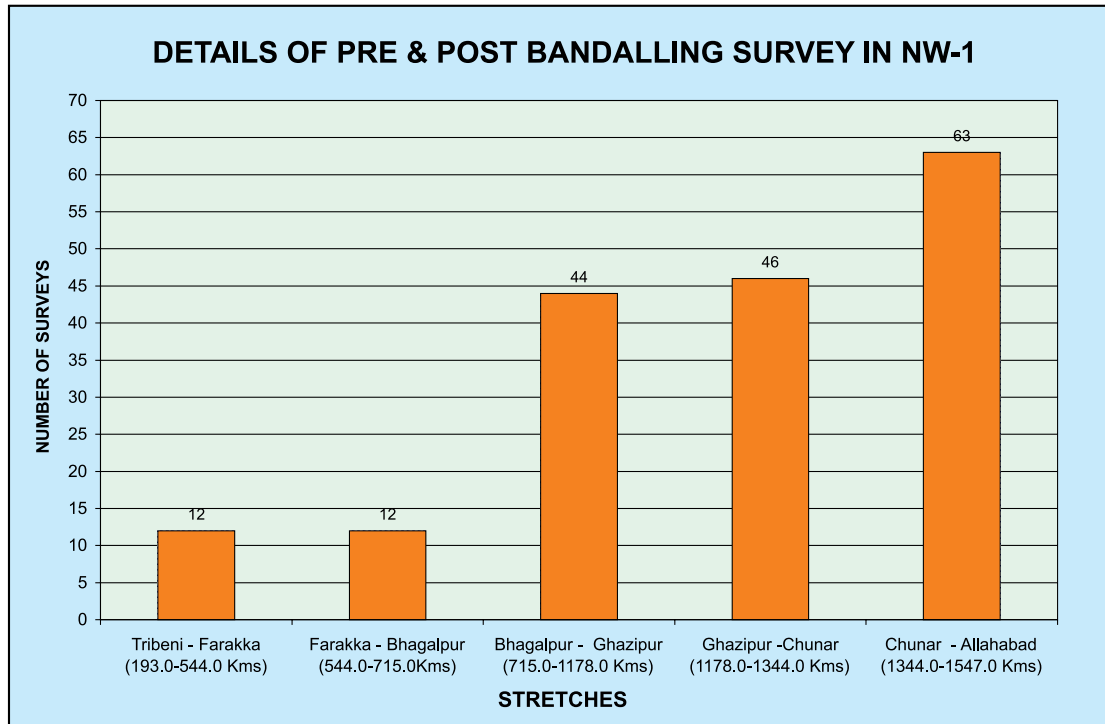
#### Thalweg surveys

During the year, Thalweg surveys were conducted departmentally fortnightly and River Notices were issued (both in English & Hindi). A total of 32,496 line Km of thalweg surveys were conducted. The details of surveys are shown below:-



#### Detailed surveys

Detailed surveys, Pre & Post bandalling and dredging surveys were conducted departmentally. A total of 175 shoal locations were surveyed and details are given below:-



Based on the surveys, River Conservancy works like Bandalling / Dredging were undertaken. Detailed survey was also carried out for assessment of silting quantity near the intake of NTPC pump house at Kahalgaon.

### Terminal Surveys

Terminal Surveys were carried out at Shantipur in Tribeni-Farakka, Mangalaghat, Samataghat, Manihari and Bhagalpur in Farakka-Bhagalpur stretch, Semeria, Gaighat and Majhua in Bhagalpur-Ghazipur stretch Ghazipur, Kaithy, Rajghat and Ralhupur in Ghazipur –Chunar stretch.

### Bank to Bank Surveys

Bank-to-Bank bathymetric survey from Farakka to Danapur (546.0Km to 746.0Km) carried out departmentally for updating river navigational charts and land survey between water line and High Flood Level (HFL) on both banks in Danapur (974.0Km) - Sultangunj (746.0Km) was carried out by engaging out side agency . Land survey between Danapur (974.0Km) to Chunar (1344.0Km) was carried out departmentally for identifying appropriate river training measures.

### Analysis of Water and Bed Samples

Testing of water and bed samples collected at every 1 km interval in Danapur- Allahabad stretch has been completed in-house in the laboratory of H.Q Noida and a proper reference document has been prepared, for record and publication.

## Indo-Bangladesh Protocol Route

Bank to Bank bathymetric survey was also carried out from Netiadhupani to Beharikhal in Sunderbans waterway for preparation of Navigational chart. Monthly thalweg surveys in Indo-Bangladesh protocol route was undertaken with effect from July 2007 and River Notice were published on the web site.

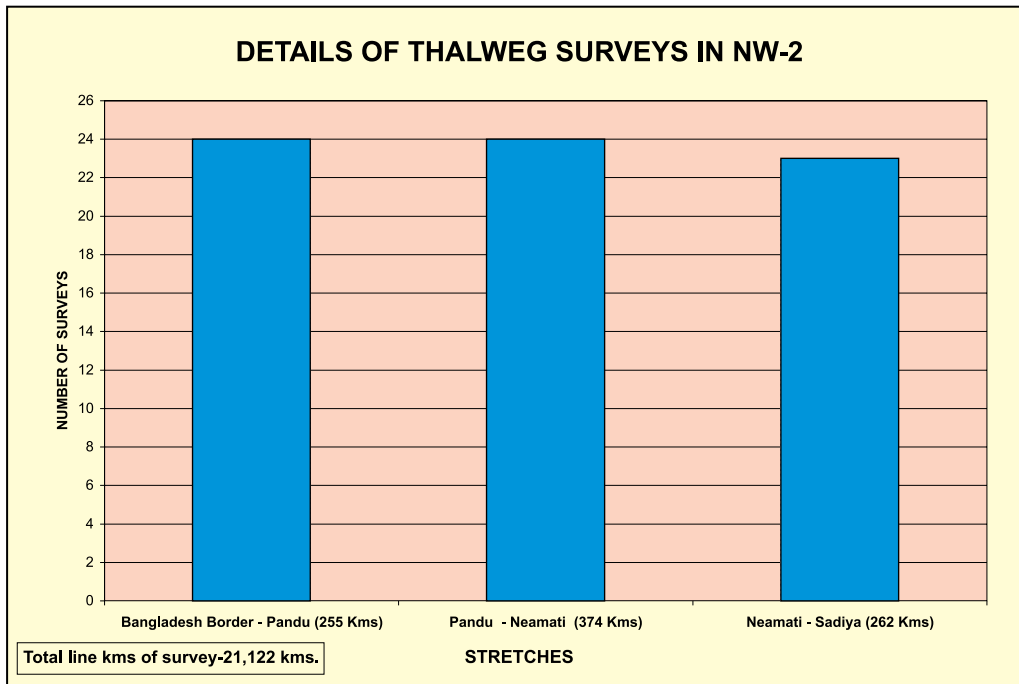


**Bathymetric Survey in progress using Automatic Hydrographic Survey System**

## NATIONAL WATERWAY No.2

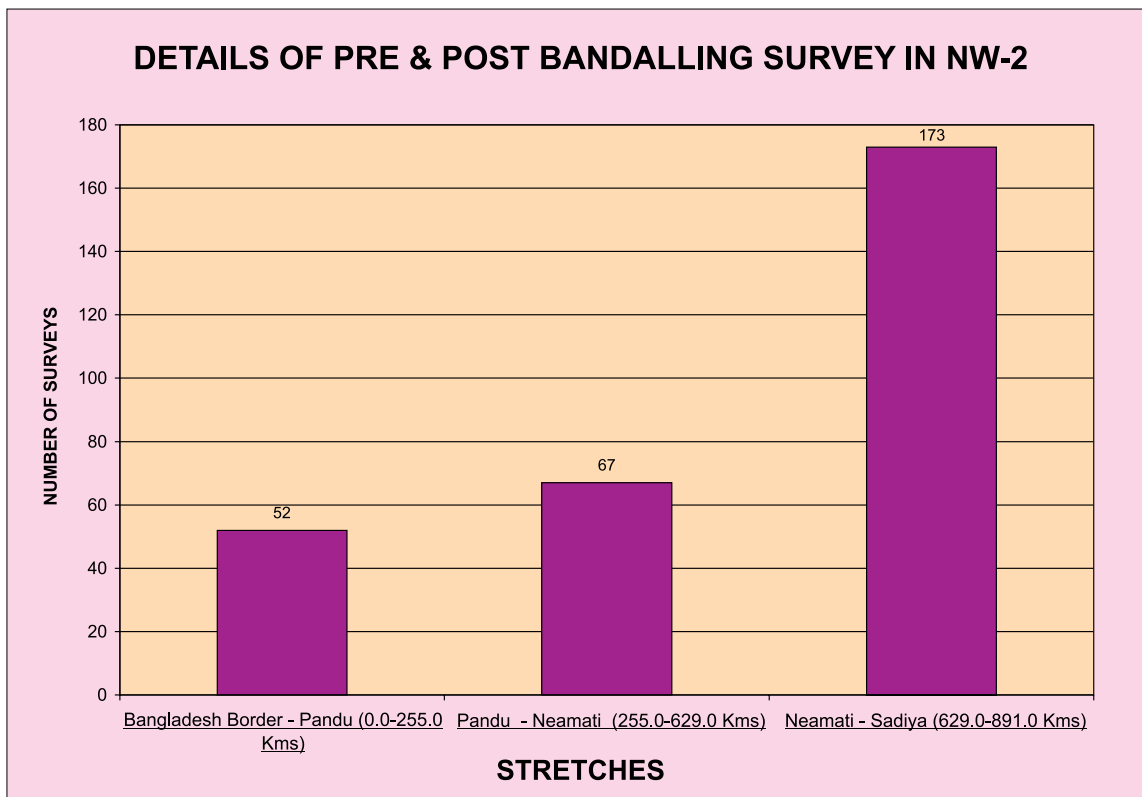
### Thalweg surveys

During the year, Thalweg surveys were conducted departmentally fortnightly and River Notices were issued (both in English & Hindi). A total of 21122 line Km of thalweg surveys were conducted. The Details of surveys are shown below:-



### Detailed surveys

Detailed surveys, Pre & Post bandalling and dredging surveys were conducted departmentally. A total of 292 shoal locations were surveyed and details are given below:-



## Terminal Surveys

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

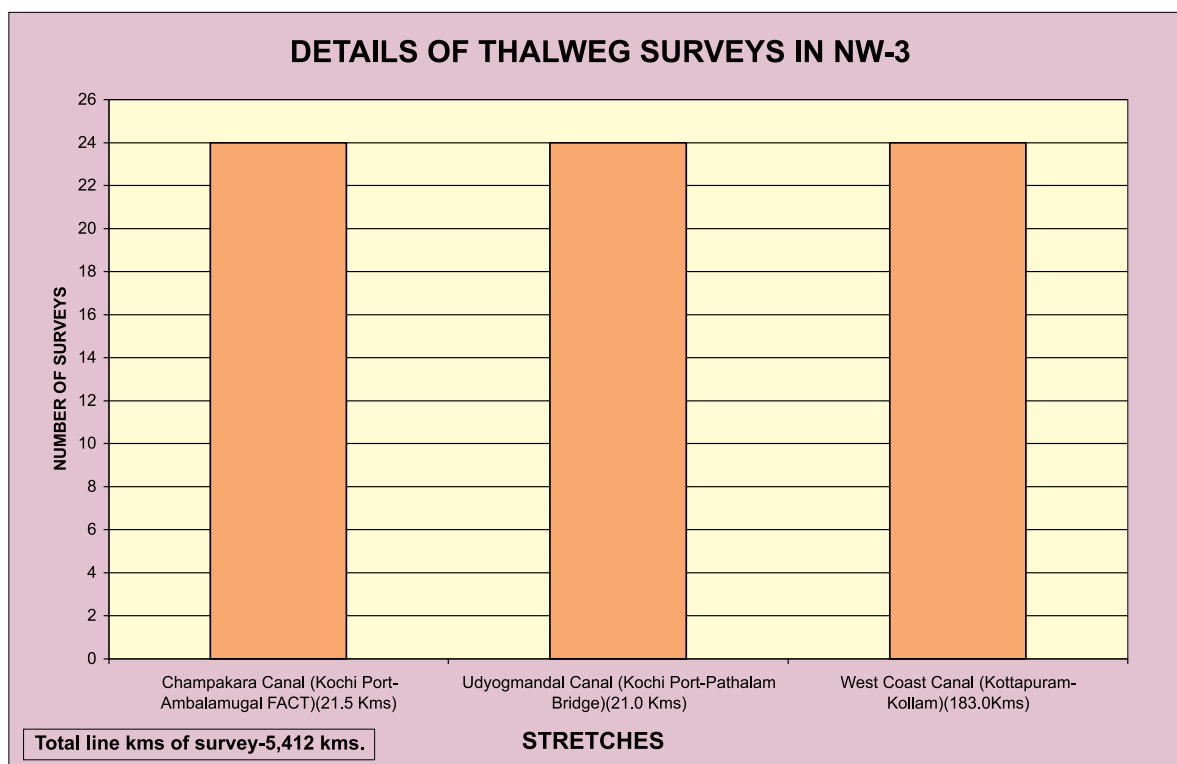
## Bank to Bank Surveys

Bank-to-Bank bathymetric surveys from Pandu to Neamati (239 km) and from Neamati to Baliyan (81kms) were carried out departmentally for identifying appropriate River training measures and for taking inputs for preparation of River Navigational charts.

## NATIONAL WATERWAY No.3

### Thalweg surveys

During the year, Thalweg surveys were conducted departmentally in Kottappuram – Kochi - Kollam stretch (West Coast Canal) alongwith in Udyogmandal & Champakkara Canals fortnightly and River Notices were issued (both in English & Hindi). A total of 5,412 line Km of thalweg surveys were conducted. The details of surveys are shown below:-



## Detailed surveys

Detailed Surveys were carried out departmentally at 9 locations in connection with assessment of silting pattern/maintenance dredging at shoal locations. Terminal surveys were carried out at Aluva and Ayiremthengu terminal sites. In addition to this, bathymetric survey was also carried out in connection with hard strata investigation between Edappallikotta and Ashtamudi Lake.

## 12. SURVEY IN OTHER WATERWAYS

Detailed survey was carried out in Rupnarayan River for assessing its navigability for fly ash movement between Kolaghat and various destinations of Bangladesh. Reconnaissance survey was carried out in Taladanda Canal (Orissa) for assessing navigability of the canal to facilitate coal movement from Cuttack to Paradip.

## 13. SURVEY VESSELS

The following survey vessels are under operation: -

<b>National Waterway No.1</b>	<b>National Waterway No.2</b>
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 *	<b><u>National Waterway No.3</u></b>
9. SL.Survekshak	1. S.L. Pamba
10. SL Punpun *	
11. SL Kosi	
12. SL Rihand *	

\* New survey vessel joined IWAI during year 2007-2008.

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





**Survey Launch DIBANG deployed on thalweg survey in National Waterway No.2**

## **14. CARTOGRAPHIC CELL**

The Cartographic Cell in IWAI's Head Office at Noida is equipped with modern chart making hardware, Geographic Information System(GIS) / 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 have been published and issued to IWT users/ operators/ agencies on payment basis. A real time navigational display software developed by IWAI has been tried and tested onboard survey and cargo vessels of IWAI.

The navigation software help the Master of the Inland Vessel to safely navigate in the National Waterways provided the vessel in equipped with digital echo sounder & GPS/DGPS receiver interfaced with PC/Laptop. A Copy of the digital chart of the stretch and latest thalweg survey can be uploaded in the computer for reference and guidance to the Master.

### **Preparation of Chart for Sunderbans and River Pilots.**

Preparation of River Navigational charts for Sunderbans portion of Indo-Bangladesh Protocol route and preparation of River Pilots for three National Waterways and that of Sunderbans waterways are in progress.



**Cartographic Cell at Noida office**

### **Sale of river charts.**

A total of 77 chart were sold so far and a sum of Rs.46200.00 has been realised through sale of the river charts to IWT operators / user / private / Govt. Department .

## **15. INDO-MYANMAR KALADAN MULTIMODAL TRANSIT TRANSPORT PROJECT**

This Project envisages construction of a multimodal transport corridor to facilitate transportation of goods from eastern part of the country to North East region and vice-versa through Myanmar. On 02.04.2008 India and Myanmar signed a Framework Agreement along with protocols on ‘Facilitation of Transit Transport Project’ and ‘Maintenance and Administration’ for implementation of the project. Ministry of External Affairs (MEA), Govt. of India is funding the project. The estimated cost of the project as per current estimates is Rs. 535.91 crores and its completion period envisaged is 5 years.

As per Article 4 of the Framework Agreement, Inland Waterways Authority of India has been appointed as the Project Development Consultant (PDC) for execution of the project. 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.

#### Various components of the Project are:

- Construction of a port/Inland Water Transport (IWT) terminal and related infrastructure facilities at Sittwe in Myanmar.
- IWT fairway development from Sittwe to Kaletwa (225 kms) on river Kaladan.
- Construction of an IWT / Highway trans-shipment terminal and related facilities at Kaletwa.
- Construction of a highway from Kaletwa to Indo-Myanmar border (62 kms).
- Construction of 260 ton IWT vessels (10 no.)

Accordingly a Project Management Unit viz Kaladan Project Management Unit (KPMU) having in-house experts as its members has been constituted. KPMU is currently preparing itself for selection of main contractor.

## 16. CARGO MOVEMENT DURING 2007-08

The cargo movement on NW-1, 2 & 3 during the year 2007-08 was 3.48 million tons (760 million ton km) against 3.43 million tons (768 million tons km) during 2006-07. During the year 2007-08 the cargo movement was 38.50 Million Tons (1925 million tons km) against 40.50 million tons during 2006-07. Cargo movement in Mumbai Waterways (Dharamatar creek) during 2007-08 was 12.91 MT (696.93 Million Ton km) against 11.90 Million Tons (642.46 Million Tons km) during 2006-07.

Details of cargo movement on National Waterway Nos. 1,2,3, Goa & Mumbai Waterways for the year 2003-04, 2004-05, 2005-06, 2006-07 & 2007-08 are indicated in Million Tons, Million Ton Kms (TKM) and Billion Ton Kms (BTKM) in Annexure.

Fixed Schedule Sailing in NW-1 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 Bhabha, MV Vishwassarya, CL Kasturba, PT Tilak with DB Sucheta and transported 4966 MT Cargo between Haldia – Patna – Varanasi, Haldia-Karimganj and Haldia-Pandu.

During the year HSD of Numaligarh Refinery Ltd. was transported from Silghat to Budge – Budge on regular basis by a private operator. 8.70 Lakh MT dry fly ash and 0.92 Lakh MT M S Wire rod, slag, iron ore, clinker & rice HSD etc. was exported from India to Bangladesh by IWT mode. Cranes and other mechanical handling equipment handling equipment were deployed for cargo handling at Patna, Haldia & Kolkata jetties.

IWAI has signed an MoU with IL&FS Infrastructure Development Corp. Ltd., to engage them as Project Development Organization to partner IWAI for identification development and implementation of IWT project.

Following projects have been identified and action for development have been initiated :-

- 1) NTPC coal movement between Sagar/Haldia and Farraka (NW-1)
- 2) Development of Kochi Airport-Seaport link through inland waterways
- 3) Development of terminal at Jogighopa (NW-2) for coal handling
- 4) Leasing out seven IWT terminals on NW-3 to private companies for maximizing their use.
- 5) Development of multipurpose terminal at Haldia on PPP basis.

Annexure

**INLAND WATERWAYS AUTHORITY OF INDIA**  
**CARGO MOVEMENT FOR NW-1, 2 & 3, Goa and Mumbai Waterways 2003-04 to 2007-08**

STRETCH		2003-04	2004-05	2005-06	2006-07	2007-08	Type of cargo moved
NW-1 THE Ganga	MT	786,159	887,328	1,001,450	1,317,387	1,497,964	Cement, general cargo, rice, wood logs, packed and bulk edible oil, petroleum oil lubricants, fly ash, pulses, stone chip & iron dust.
	TKM	159,573,347	311,882,762	410,880,280	580,317,191	709,153,891	
	BTM	0.160	0.312	0.411	0.580	0.709	
NW-2 THE BRAHMAPU- TRA	MT	795,651	810,145	804,401	1,086,026*	1,304,114*	Cement, building material, fertilizer, petrococo, food grains, coal, plant & machinery, general cargo, etc. inter-district & inter state cargo & HSD.
	TKM	29,493,936	38,093,094	32,160,989	172,769,869	42,236,249	
	BTM	0.029	0.038	0.032	0.173	0.042	
NW-3 WEST COST CANAL	MT	1,362,149	1,158,783	1,172,889	1,022,776	673,127	Sulphur, rock, phosphate, liquified ammonia, zinc, phosphoric acid Gas, furnace oil, concentrated, petroleum products, zinc, & drinking water etc.
	TKM	21,913,759	15,377,312	16,923,544	14,936,770	8,872,101	
	BTM	0.022	0.015	0.017	0.015	0.009	
SUB TOTAL IN NWs	MT	2,943,959	2,856,256	2,978,740	3,426,189	3,475,205	
	TKM	210,981,042	365,353,168	459,964,813	768,023,830	760,262,241	
	BTM	0.211	0.365	0.460	0.768	0.760	
THE GOA (Mormugao)	MT	22,876,763	35,000,000	36,271,650	40,500,000	38,500,000	Iron ore, iron ore pellets, coal & pig iron
	TKM	1,143,838,150	1,698,840,460	1,760,564,188	1,965,250,000	1,925,000,000	
	BTM	1.144	1.700	1.761	1.966	1.925	
Mumbai Waterways Dharmatar Creek	MT	6,661,279	7,720,709	11,162,168	11,897,322	12,906,154	Steel, iron ore, pellets and related raw material, coke, sulphur, rock phosphate, cement, lime stone & clinkers.
	TKM	273,112,439	416,549,069	602,757,072	642,455,388	696,932,316	
	BTM	0.273	0.416	0.603	0.642	0.697	
Grand Total	MT	32,482,001	45,576,965	50,412,558	55,823,511	54,881,359	
	TKM	1,627,931,631	2,480,742,697	2,823,286,073	3,375,729,218	3,382,194,557	
	BTM	1.628	2.481	2.824	3.376	3.382	

- Note: 1. These figures are collected by IWAI 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.

## 17. FINANCIAL PERFORMANCE

### A. INCOME & EXPENDITURE

During the financial year 2007-08 a sum of Rs. 9384.00 lakhs was received from the Government of India, Department of Shipping, Ministry of Shipping, Road Transport and Highways and a sum of Rs.268.93 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 at Pandu Port etc. The scheme-wise expenditure is indicated below:

(Rs. in Lakhs)

	Name of the scheme	Expenditure	
		Previous Year 2006-07	Current Year 2007-08
1.	Technical Studies	100.00	100.00
2.	Loan Interest Subsidy / IVBBS	87.89	185.70
3.	<b>National Waterway No.1</b>		
	a. River Conservancy Works	1044.06	1286.76
	b. Construction of Cargo berth	2222.54	1155.37
	c. Construction Dredgers & allied vessels	-	629.23
	d. Procurement of Cargo Vessel	77.69	84.29
	e. Procurement of Pantoon Gangway	216.26	-
	f. Procurement of survey launches	509.68	886.31
	g. Procurement of Survey Equipment	115.29	-
4.	<b>National Waterway No. 2</b>		
	a. River Conservancy Works	674.77	732.57
	b. Construction of Terminal	2207.11	-
	c. Construction of Hy Surface dredger	-	10.44
	d. Construction of Dredgers & allied vessels	57.87	1258.47
	e. Procurement of Sr. Equipments	52.92	-
	f. Acquisition of POL/Cargo Vessel	415.03	-
	g. Acquisition of survey launch	152.91	152.28
5.	<b>National Waterway No. 3</b>		
	a. Development works	316.43	557.50
	b. Bank Protection	118.41	-
	c. Construction of Terminals	504.86	436.82
	d. Procurement of Survey Equipments	56.19	-

	Name of the scheme	Expenditure	
		Previous Year 2006-07	Current Year 2007-08
	e. Night Navigation	38.91	105.55
	f. Procurement of Dredging unit	-	206.31
6.	Training of IWT Personnel including NINI	64.98	27.95
7.	IWT Development Fund	143.51	97.91
8.	Establishment (including I. Tax)	981.39	1124.00
9.	Procurement of Survey equipments	11.13	-
10.	Joint Venture/BOT Project	22.10	50.00
	<b>TOTAL</b>	<b>10191.93</b>	<b>9087.46</b>

## B. SOURCE AND APPLICATION OF FUNDS

(Rs.in lakhs)

	Name of the scheme	Expenditure	
		Previous year 2006.07	Current year 2007-08
	<b>SOURCE</b>		
1.	Increase in Capital grant	6606.61	6064.65
2.	Decrease in capital work in progress		636.23
	<b>TOTAL</b>	<b>6606.61</b>	<b>6700.88</b>
	<b>APPLICATION</b>		
1.	Increase in fixed assets	978.87	6028.73
2.	Increase in capital work in progress	1032.22	-
3.	Increase in working capital	4595.52	672.15
	<b>TOTAL</b>	<b>6606.61</b>	<b>6700.88</b>

## 18. PERSONNEL AND ADMINISTRATION

As on 31-03-2008, 34 officers & 64 staff at the Head office and 54 officers & 189 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 implementing Official Language Policy of the Government 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 has been entrusted with the additional responsibility of implementing the Official Language Policy 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, IWAI is the Chairman of T.O.L.I.C., Noida. Half-yearly meetings were organised regularly to discuss problems and difficulties being faced by the different member offices of the 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 Department of Shipping, Ministry of Shipping, Road Transport and Highways, Comptroller & Auditor General of India, other Government departments and agencies.

FOR AND ON BEHALF OF  
INLAND WATERWAYS AUTHORITY OF INDIA

Sd/-  
(S. P. GAUR)  
CHAIRMAN

PLACE : NOIDA  
DATED : 27-11-2008

# 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/-  
(S.C. Srivastava)  
Member (Cargo & 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
	<b>CAPITAL</b>			
9,437,244	Capital u/s 11(i)(c)		9,437,244	
3,221,695,278	Capital Grant u/s 18		3,828,160,032	
(413,390,796)	Less replacement reserve		(500,221,656)	
(5,083,426)	Lease rent written off		(5,497,332)	3,331,878,288
	<b>RESERVES &amp; SURPLUS</b>			
3,463,144	Capital Reserves		3,463,144	
(3,463,144)	Deduction		(3,463,144)	-
	General Reserves			
	Deduction			
	<b>BORROWINGS</b>			
	<b>CURRENT LIABILITIES &amp; PROVISIONS.</b>			
344,523,567	Current Liabilities	I	331,559,716	
33,400,388	Provisions		36,322,950	
53,488,531	Deposits held on account of others		62,460,247	430,342,913
<b>3,244,070,786</b>	<b>TOTAL</b>			<b>3,762,221,201</b>

Schedule I to VII form an integral part of accounts.

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

# AUTHORITY OF INDIA

## ON 31ST MARCH 2008

PREVIOUS YEAR (RUPEES)	PROPERTY & ASSETS	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
6	7	8	9	10
	<b>FIXED ASSETS</b>	<b>II</b>		
1,575,180,733	Gross Block		2,178,053,273	
(416,853,940)	Less Depreciation		(503,684,800)	
	Net Block			1,674,368,473
26,582,684	Lease land		26,582,684	
(5,083,426)	Less written off		(5,497,332)	21,085,352
845,550,649	Capital work-in-progress			781,927,772
	<b>INVESTMENTS (AT COST)</b>			5,000,000
	<b>CURRENT ASSETS, LOANS &amp; ADVANCES</b>	<b>III</b>		
	Stores, Spares & Tools			
40,920,324	(At Cost)		44,404,882	
	Sundry Debtors		-	
	Deposits, Loans &			
869,856,824	Advances		858,595,693	
307,916,938	Cash & Bank Balances		376,839,029	1,279,839,604
	<b>MISC. EXPENDITURE</b>			
-	Income & Expenditure Account			-
	(Debit Balance)			
<b>3,244,070,786</b>	<b>TOTAL</b>			<b>3,762,221,201</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & 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
	<b>OPERATIONAL &amp; MAINTENANCE EXPENSES</b>	<b>IV</b>		
52,134,575	Pay & Allowances & other staff costs		57,389,798	
28,595,137	Surveying		27,649,462	
31,670,795	Dredging		22,451,673	
28,159,913	Bandalling		29,024,787	
-	Aids to Navigation & Channel Marking		23,864,125	
14,585,068	Barging		-	
13,283,558	Terminal Facilities		16,230,875	
17,753,251	Repairs of Vessels		18,620,676	
2,525,139	Training Institute NINI		7,178,390	
25,531,001	Night Navigation		25,145,508	
2,198,737	Maintenance of lock			
11,841,147	Bank Protection		28,378,406	
873,361	River Training Work		18,141,201	
9,396,361	Other Administrative & Misc. Expenses		8,563,787	282,638,688
	<b>ADMINISTRATIVE EXPENSES</b>			
28,411,173	Pay & Allowances & Other Staff Costs	V		30,998,251
12,478,458	General & Other Expenses	VI		13,684,433
	<b>Financing Charges</b>			
52,890	Bank Commission/Charges			49,012
	Interest			
	Research & Development Expenses			
	Bad debts written off			
	Foreign Exchange			
	Technical Studies & Consultancy Charges			6,584,504
12,056,099	BOT Expenses			-
2,210,000	Depreciation			87,458,065
63,854,522	Subsidy			18,599,070
8,789,075	Loss on sale/ valuation/ written off of assets			
408,942	IWT Promotional Activities			11,709,398
14,350,692	Income tax			20,129,756
306,684	Prior Period Adjustment account			479,676
<b>381,466,578</b>	<b>TOTAL</b>			<b>472,330,853</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

# AUTHORITY OF INDIA

## THE YEAR ENDED 31st MARCH, 2008

PREVIOUS YEAR (RUPEES)	INCOME	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
			9	10
6	7	8	9	10
306,224,955	Revenue Grant from Govt			357,979,772
3,065,441	Interest/ Income			22,705,736
	Consultancy fees			
	Storage & Handling Charges			
	Wharfage			
	Demurrage			
-	Pilotage Charges			10,000
551,218	Berthing Charge			806,170
1,752,596	Others			1,509,891
5,957,846	Misc. Receipts			1,732,131
60,000	Rent terminal			60,000
	Capital reserve as per Contra			
	Replacement reserve as per Contra			
63,854,522	Profit on sale of fixed assets			87,458,065
				69,088
				-
-	Prior Period Adjustment Excess of expenditure over income carried over to Balance Sheet			-
<b>381,466,578</b>	<b>TOTAL</b>		-	<b>472,330,853</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S.P. GAUR)  
Chairman





# OTHER SCHEDULES & AUDIT REPORT



## SCHEDULE - I

## CURRENT LIABILITIES &amp; PROVISIONS AS ON 31.03.2008

Previous year	Particulars	Current Year (Figure in rupees)	
	<b>A) CURRENT LIABILITIES</b>		
1,195,262	(i) Liability for sundry Creditors	355,669	
111,621,493	(ii) Liability for Expenses	122,551,899	
229,787,318	(iii) Grant Received in surplus	203,742,792	
1,919,494	(iv) Others	4,909,356	331,559,716
	<b>(B) PROVISIONS</b>		
1,948,777	(i) Provision for Gratuity	2,100,570	
480,513	(ii) Provision for Leave Salary & pension contribution	534,408	
753,798	(iii) Provision for Bonus	739,126	
4,068,631	(iv) Provision for pension & gratuity contribution	4,246,111	
26,148,669	(iv) Provision for leave encashment.	28,702,735	36,322,950
	<b>(C) DEPOSITS HELD ON ACCOUNT OF OTHER</b>		
53,488,531	Sundry parties		62,460,247
<b>431,412,486</b>	<b>TOTAL</b>		<b>430,342,913</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

## INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2007	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2008
					(3+4+5)
1	2	3	4	5	6
NOIDA	Survey Equipment	4,417,634	-		4,417,634
	Vehicles	2,438,875		(358,482)	2,080,393
	Furniture & Fixture	3,436,847	18,648		3,455,495
	Office Equipment	1,967,548	123,087	-	2,090,635
	Electric Installation	1,118,026			1,118,026
	Air Conditioners	3,398,382		(20,855)	3,377,527
	Water Coolers & Refrigerators	94,813		(10,527)	84,286
	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			502,260
	Library Books	737,390		35,983	773,373
	Computer	13,689,186		97,079	13,786,265
	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
	<b>TOTAL (A)</b>	<b>91,241,353</b>	<b>274,797</b>	<b>(389,864)</b>	<b>91,126,286</b>
CALCUTTA	Haldia Terminal	16,834,252	4,442,319		21,276,571
	Vehicles	825,960			825,960
	Furniture & Fixture	467,292	121,430		588,722
	Office Equipment	250,008	56,213	-	306,221
	Electric Installation	25,583	8,990		34,573
	Survey Instruments	11,782,755	9,602,564		21,385,319
	Library Books	84,595	6,870		91,465
	Speed Boats	2,961,016		-	2,961,016
	Vessels Ordinary	58,736,385	53,119,800		111,856,185
	Fans & Air Coolers	54,043		-	54,043
	Communication Network	450,413		-	450,413
	Barges	9,203,375		1	9,203,376
	Cycles	3,340		-	3,340
	Vessel Dredging Unit	68,817,427			68,817,427
	Computers	1,240,581	320,434		1,561,015
	Computers Software	967,816		-	967,816
	Night Nav. Equipment	21,430,864			22,375,864
Air Conditioner	46,600			46,600	
Crane	-		-	-	
Generator Set	22,100		-	22,100	
	<b>TOTAL (B)</b>	<b>194,204,405</b>	<b>67,678,621</b>	<b>945,000</b>	<b>262,828,026</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

## SCHEDULE-II

# AUTHORITY OF INDIA

## ASSETS AS ON 31-03-2008

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2008 (7+8+9)	NET BLOCK AS ON 31.3.2008 (6-10)
AS ON 31.03.2007 7	FOR THE YEAR 8			
1,585,887	209,838		1,795,725	2,621,909
1,518,087	197,637	(340,557)	1,375,167	705,226
2,121,264	180,139	-	2,301,403	1,154,092
614,453	85,878	-	700,331	1,390,304
448,179	50,307	-	498,486	619,540
1,106,851	160,433	(19,812)	1,247,472	2,130,055
-	-			
40,195	3,537	(10,001)	33,731	50,555
454,785	53,627	-	508,412	649,390
343,461	54,564	-	398,025	750,695
12,795	1,529	-	14,324	13,387
502,260	-		502,260	-
737,390	35,983		773,373	-
10,676,583	806,524	-	11,483,107	2,303,158
156,321	36,977		193,298	585,173
3,251,856	406,482		3,658,338	21,279,189
184,967	106,566		291,533	365,875
2,504,720	500,944		3,005,664	27,727,089
<b>26,260,054</b>	<b>2,890,965</b>	<b>(370,370)</b>	<b>28,780,649</b>	<b>62,345,637</b>
9,420,236	1,010,637		10,430,873	10,845,698
590,205	74,390		664,595	161,365
249,448	34,550		283,998	304,724
103,545	13,989		117,534	188,687
2,955	1,642	-	4,597	29,976
6,929,940	702,321		7,632,261	13,753,058
84,595	6,870		91,465	-
1,661,910	135,903		1,797,813	1,163,203
37,467,732	3,734,343		41,202,075	70,654,110
13,708	2,566		16,274	37,769
149,186	21,395		170,581	279,832
2,490,599	307,393		2,797,992	6,405,384
964	236		1,200	2,140
65,376,556	-		65,376,556	3,440,871
744,981	218,180		963,161	597,854
156,883	156,883		313,766	654,050
5,725,196	1,062,855		6,922,715	15,453,149
9,942	2,213	134,664	12,155	34,445
-	-		-	-
2,100	1,050	-	3,150	18,950
<b>131,180,681</b>	<b>7,487,416</b>	<b>134,664</b>	<b>138,802,761</b>	<b>124,025,265</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

## INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2007	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2008  (3+4+5)
1	2	3	4	5	6
<b>PATNA</b>	Land	13,556,092			13,556,092
	Vehicle	1,156,429		(270,354)	886,075
	Furniture & Fixture	3,829,883	18,242		3,848,125
	Office Equipment	885,869	35,440	-	921,309
	Electric Installation	30,916			30,916
	Air Conditioners	667,949		-	667,949
	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		-	19,521,959
	Vessels: Dredging Unit	253,298,706			232,988,283
	Vessels: Ordinary	64,074,225		72,678,577	136,752,802
	Speed Boat	2,442,151			2,442,151
	Barges	75,750,520			75,750,520
	Temporary Structure	170,050			170,050
	Cycle	2,672			2,672
	Computer	3,800,393			3,800,393
	Library Books	64,792		-	64,792
	Survey Equip(compu)	4,015,312		54,328	4,069,640
Survey Pillars	274,419			274,419	
Communication Equip.	1,052,901		-	1,052,901	
Building	54,550,748		436,850	54,987,598	
Terminals- CRANE	44,807,338		297,044,148	297,044,148	
	44,807,338			44,807,338	
	<b>TOTAL (C)</b>	<b>545,057,014</b>	<b>370,267,585</b>	<b>(20,580,777)</b>	<b>894,743,822</b>
<b>GUWAHATI</b>	Communication Equipment	1,459,976		-	1,459,976
	Vehicles	590,523			590,523
	Furniture & Fixture	524,730			524,730
	Office Equipment	272,032			272,032
	Electric Installation	29,479			29,479
	Fans & Air-Coolers	17,416			17,416
	Survey Instruments	13,400,526		220,938	13,621,464
	Cycle	680			680
	Library Books	22,209		1,818	24,027
	Vessel Speed Boat	3,155,336		-	3,155,336
	Generator Set	36,100			36,100
	Computer	3,265,456		84,999	3,350,455
	Terminals- Pandu	6,679,549		18,715,167	25,394,716
	Night Navigation Equip.	12,188,114			11,243,114
	Barges	89,852,395			89,852,395
	Vessels - Ordinary	132,745,198		38,954,025	171,699,223
	Pandu Terminal	1			1
Vessels Dredging Unit	114,642,130		118,338	114,760,468	
CRANE	44,969,796			44,969,796	
Air Conditioner	25,950			25,950	
	<b>TOTAL (D)</b>	<b>423,877,596</b>	<b>58,095,285</b>	<b>(945,000)</b>	<b>481,027,881</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

## SCHEDULE-II

# AUTHORITY OF INDIA

## ASSETS AS ON 31-03-2208

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2008	NET BLOCK AS ON 31.3.2008
AS ON 31.03.2007	FOR THE YEAR		(7+8+9)	(6-10)
7	8	9	10	11
-			-	13,556,092
963,544	109,861	(256,836)	816,569	69,506
1,109,365	243,586	-	1,352,951	2,495,174
290,274	43,762		334,036	587,273
26,185	1,469		27,654	3,262
136,274	31,728		168,002	499,947
27,943	1,564		29,507	3,418
-			-	-
58,604	16,693		75,297	276,135
145,495	34,168		179,663	539,670
8,218,814	927,293		9,146,107	10,375,852
103,489,707	16,309,180	(8,530,378)	111,268,509	121,719,774
9,575,431	4,567,544		14,142,975	122,609,827
1,042,970	172,660		1,215,630	1,226,521
13,346,467	2,530,067		15,876,534	59,873,986
170,050			170,050	-
2,538			2,538	134
3,655,728	-		3,655,728	144,665
64,792	-		64,792	-
1,430,299	659,282		2,089,581	1,980,059
119,158	9,248		128,406	146,013
600,759	50,013		650,772	402,129
3,313,181	896,298	-	4,209,479	50,778,119
	14,109,597		14,109,597	282,934,551
4,760,164	1,496,565		6,256,729	38,550,609
<b>152,547,742</b>	<b>42,210,578</b>	<b>(8,787,214)</b>	<b>185,971,106</b>	<b>708,772,716</b>
704,016	68,958		772,974	687,002
437,201	24,760		461,961	128,562
317,753	29,728		347,481	177,249
98,857	12,873		111,730	160,302
16,838	1,309		18,147	11,332
13,554	657		14,211	3,205
2,846,263	639,096	-	3,485,359	10,136,105
646			646	34
22,209	1,818		24,027	-
600,293	223,083		823,376	2,331,960
15,435	1,715		17,150	18,950
1,915,529	432,558		2,348,087	1,002,368
1,102,040	1,218,654		2,320,694	23,074,022
2,342,371	534,049	(134,664)	2,741,756	8,501,358
10,950,097	3,001,071		13,951,168	75,901,227
14,187,914	5,734,754		19,922,668	151,776,555
-			-	1
39,122,530	8,033,233		47,155,763	67,604,705
3,003,982	1,501,991		4,505,973	40,463,823
6,165	1,233		7,398	18,552
<b>77,703,693</b>	<b>21,461,540</b>	<b>(134,664)</b>	<b>99,030,569</b>	<b>381,997,312</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

## INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2007	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2008  (3+4+5)
1	2	3	4	5	6
<b>BHAGALPUR</b>	Buoys	54,467			54,467
	Vehicle	152,658			152,658
	Furniture & Fixtures	119,184	-	-	119,184
	Office Equipment	41,275			41,275
	Electric Installation	3,227			3,227
	Fans & Air Coolers	5,899			5,899
	Survey Instruments	2,197,143	13,000		2,210,143
	Barges	561,255			561,255
	Cycle	701			701
	Library Books	14,731	525		15,256
	Communication Equipment	157,026			157,026
	Land	36,734			36,734
	Computers	156,580			156,580
	<b>TOTAL (E)</b>	<b>3,500,880</b>	<b>13,525</b>	-	<b>3,514,405</b>
<b>KOCHI</b>	Vehicle	383,614	-		383,614
	Furniture & Fixtures	588,301	40,844		629,145
	Office Equipment	229,292	3,707		232,999
	Fans & Air Coolers	41,475	1,950		43,425
	Air-Conditioner	67,595	-		67,595
	Survey Instruments	9,578,858	15,000		9,593,858
	Communication Equipment	734,727	-		734,727
	Generator	332,369	22,600		354,969
	Computer	3,128,912	85,680		3,214,592
	Survey Launch	4,983,591	-		4,983,591
	SPEED BOATS	1,120,418	-	-	1,120,418
	Land (Terminals)	76,449,887	21,011,329		97,461,216
	Land Widening	96,557,525	10,976,000		107,533,525
	Library Books	17,442	-		17,442
	Building	3,777,694	190,468		3,968,162
	Terminal	87,747,687	2,914,681		90,662,368
	Dredger	3,554,318	-	20,310,423	23,864,741
	Night Navigation	15,533,730	10,740,378		26,274,108
	Foot Over Bridge Thottappally	2,109,000	-		2,109,000
Fork Lifts		6,370,925		6,370,925	
Hydraulic Cranes		51,854,885		51,854,885	
RCC Jetty Maradu		1,786,183		1,786,183	
Tempory Terminal	1,196,370	-		1,196,370	
	<b>TOTAL (F)</b>	<b>308,132,805</b>	<b>106,014,630</b>	<b>20,310,423</b>	<b>434,457,858</b>
<b>ALLAHABAD</b>	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	12,425	5,000		17,425
	Vehicle	387,681			387,681
	Electrical Installation	24,950			24,950
	Survey Instruments	3,447,943	604,035	-	4,051,978
	<b>TOTAL (G)</b>	<b>6,754,011</b>	<b>609,035</b>	-	<b>7,363,046</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer



## SCHEDULE-II

# AUTHORITY OF INDIA

## ASSETS AS ON 31-03-2008

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2008	NET BLOCK AS ON 31.3.2008
AS ON 31.03.2007	FOR THE YEAR		(7+8+9)	(6-10)
7	8	9	10	11
47,438	2,587		50,025	4,442
151,776			151,776	882
84,283	7,544	-	91,827	27,357
28,625	1,961		30,586	10,689
1,433	153		1,586	1,641
4,534	280		4,814	1,085
833,751	104,982		938,733	1,271,410
397,258	39,288		436,546	124,709
650			650	51
14,731	525		15,256	-
128,686	7,459		136,145	20,881
			-	36,734
148,751	-		148,751	7,829
-			-	-
<b>1,841,916</b>	<b>164,779</b>	<b>-</b>	<b>2,006,695</b>	<b>1,507,710</b>
250,964	36,443		287,407	96,207
280,379	38,744		319,123	310,022
87,952	11,069		99,021	133,978
7,700	1,984		9,684	33,741
21,581	3,211		24,792	42,803
2,551,422	450,688		3,002,110	6,591,748
116,391	34,900		151,291	583,436
15,788	16,862		32,650	322,319
1,871,953	406,776		2,278,729	935,863
1,453,063	166,452		1,619,515	3,364,076
158,428	79,214		237,642	882,776
-	-		-	97,461,216
-	-		-	107,533,525
17,442	-		17,442	-
302,480	64,681		367,161	3,601,001
12,994,753	4,306,461		17,301,214	73,361,154
1,365,794	1,670,533	8,530,378	11,566,705	12,298,036
2,206,526	1,248,020		3,454,546	22,819,562
100,178	100,178		200,356	1,908,644
	450,425		450,425	5,920,500
	3,666,140		3,666,140	48,188,745
	84,844		84,844	1,701,339
1,196,370	-		1,196,370	-
<b>24,999,164</b>	<b>12,837,625</b>	<b>8,530,378</b>	<b>46,367,167</b>	<b>388,090,691</b>
-			-	2,405,763
147,977	26,325		174,302	55,047
64,467	10,535		75,002	91,439
23,775	2,944		26,719	40,585
2,740	578		3,318	8,837
12,425	5,000		17,425	-
220,980	36,830		257,810	129,871
7,110	1,185		8,295	16,655
1,411,539	158,306	-	1,569,845	2,482,133
<b>1,891,013</b>	<b>241,703</b>	<b>-</b>	<b>2,132,716</b>	<b>5,230,330</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

## INLAND WATERWAYS SCHEDULE OF FIXED

	PARTICULARS	GROSS BLOCK AS ON 31.03.2007	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2008
					(3+4+5)
1	2	3	4	5	6
<b>VARANASI</b>	Furniture & Fixtures	101,821			101,821
	Computer	68,880	-		68,880
	Office Equipment	51,252			51,252
	Fans & Air Coolers	5,875			5,875
	Vehicle	243,069			243,069
	Communication Equipment	59,764			59,764
	Survey Instruments	1,882,008	579,280		2,461,288
	<b>TOTAL (H)</b>	<b>2,412,669</b>	<b>579,280</b>	<b>-</b>	<b>2,991,949</b>
	<b>GRAND TOTAL (A+B+C+D+E+F+G+H)</b>	<b>1,575,180,733</b>	<b>603,532,758</b>	<b>(660,218)</b>	<b>2,178,053,273</b>
	<b>PREVIOUS YEAR</b>	<b>1,477,293,968</b>	<b>98,654,733</b>	<b>(767,968)</b>	<b>1,575,180,733</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

## SCHEDULE-II

# AUTHORITY OF INDIA

## ASSETS AS ON 31-03-2008

(FIGURES IN RUPEES)

DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.3.2008	NET BLOCK AS ON 31.3.2008
AS ON 31.03.2007	FOR THE YEAR			
7	8	9	10	11
32,126	6,445		38,571	63,250
52,909	11,165		64,074	4,806
11,080	2,434		13,514	37,738
1,116	279		1,395	4,480
115,460	23,092		138,552	104,517
12,336	3,133		15,469	44,295
204,651	116,911		321,562	2,139,726
<b>429,678</b>	<b>163,459</b>	-	<b>593,137</b>	<b>2,398,812</b>
<b>416,853,941</b>	<b>87,458,065</b>	(627,206)	<b>503,684,800</b>	<b>1,674,368,473</b>
<b>355,930,132</b>	<b>63,854,522</b>	(2,930,714)	<b>416,853,940</b>	<b>1,158,326,793</b>

Sd/-  
(S.C.SRIVASTAVA)  
Member (Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

**SCHEDULE III**
**CURRENT ASSETS, LOANS & ADVANCES AS ON 31.3.2008**

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (Figures in rupees)	
	<b>a) STORES, SPARES &amp; TOOLS (AT COST)</b>		
34,948,628	1) Marine Spare Parts	28,764,936	
490,340	2) Permanent Stores	6,631,847	
70,080	3) Consumables & Marking Material	39,591	
204,842	4) Stationary	220,092	
4,850,265	5) POL Stock	8,495,179	
356,169	6) Others	253,237	44,404,882
	<b>b) SUNDRY DEBTORS</b>		
	1) Secured		
	2) Unsecured		
	-- Considered Good		
	1) more than 6 months		
	2) less than 6 months		
	-- Considered Doubtful		
	<b>c) DEPOSITS, LOANS &amp; ADVANCES</b>		
11,146,928	1) Advance to staff	9,524,796	
173,985	2) Departmental Advance	122,553	
783,818,456	3) Advance to Contractors & Suppliers-Capital	827,143,346	
57,408,651	-Others		
4,322,240	4) Deposits	9,573,519	
8,090,238	5) Claims Recoverable	6,967,434	
68,046	6) Prepaid Expenses	420,295	
4,828,280	7) Others	4,843,750	858,595,693
	<b>d) CASH &amp; BANK BALANCES</b>		
58,745	1) Cash/Stamps in-hand	40,470	
(297,423,807)	2) Cash with Scheduled Banks	118,994,559	
7,770,000	3) Remittance in transit	1,000,000	
597,512,000	4) Short term deposit	256,804,000	376,839,029
<b>1,218,694,086</b>	<b>TOTAL</b>		<b>1,279,839,604</b>

Sd/-  
**(S. JAYARAMAN)**  
Chief Accounts Officer

Sd/-  
**(S.C.SRIVASTAVA)**  
Member (Cargo & Finance)

Sd/-  
**(S. P. GAUR)**  
Chairman

## SCHEDULE - IV

## OPERATIONAL AND MAINTENANCE EXPENSES FOR THE YEAR ENDED 31-3-2008

Previous Year (Rupees)	Particulars	Current Year (Figures in Rupees)	
	<b>NATIONAL WATERWAY NO.1</b>		
	<b>1. Pay &amp; Allowances &amp; Other</b>		
40,784,606	<b>Staff Costs</b>	44,309,553	
	<b>2. Works Expenses</b>		
16,040,381	(i) Surveying	17,957,513	
15,178,552	(ii) Dredging	8,808,187	
10,298,689	(iii) Bandalling	10,427,268	
9,786,210	(iv) Aids to navigation & Channel marking	18,539,353	
6,614,979	(v) Terminal Facilities	9,471,265	
11,823,299	(vi) Repairs of Vessels	12,088,137	
10,488,246	(vii) Night Navigation	10,306,852	
2,525,139	(viii) Training Expenses	7,178,390	
	(ix) River Training Work	17,834,368	
6,863,506	<b>3. Other Administrative &amp; Misc. Expenses</b>	7,020,900	163,941,786
	<b>NATIONAL WATERWAY NO.2</b>		
	<b>1. Pay &amp; Allowances &amp; Other</b>		
6,408,436	<b>Staff Costs</b>	7,657,015	
	<b>2. Works Expenses</b>		
8,386,249	(i) Surveying	6,712,862	
17,861,224	(ii) Bandalling	18,597,519	
3,743,227	(iii) Aids to navigation & Channel marking	4,834,512	
4,353,030	(iv) Terminals	4,798,571	
4,893,736	(v) Dredging	4,707,127	
3,773,876	(vi) Repairs of Vessels	4,651,219	
11,151,529	(vii) Night Navigation	11,847,581	
873,361	(viii) River Training Work	306,833	
1,178,803	<b>3. Other Administrative &amp; Misc. Expenses</b>	666,643	64,779,882

Contd.....

**SCHEDULE - IV**
**OPERATIONAL AND MAINTENANCE EXPENSES  
FOR THE YEAR ENDED 31-3-2008**

Previous Year (Rupees)	Particulars	Current Year (Figures in Rupees)	
	<b>NATIONAL WATERWAY NO.3</b>		
	<b>1. Pay &amp; Allowances &amp; Other</b>		
4,941,533	<b>Staff Costs</b>	5,423,230	
	<b>2. Works Expenses</b>		
4,168,507	(i) Surveying	2,979,087	
11,598,507	(ii) Dredging	8,936,359	
1,055,631	(iii) Channel marking	490,260	
3,891,226	(iv) Night Navigation	2,991,075	
2,315,549	(v) Terminal Facilities	1,961,039	
2,156,076	(vi) Repair of vessel	1,881,320	
2,198,737	(vii) Maintenance of lock gate		
11,841,147	(viii) Bank Protection	28,378,406	
1,354,052	<b>3. Other Administrative &amp; Misc. Expenses</b>	876,244	53,917,020
<b>238,548,043</b>	<b>TOTAL</b>		<b>282,638,688</b>

Sd/-  
**(S. JAYARAMAN)**  
Chief Accounts Officer

Sd/-  
**(S.C.SRIVASTAVA)**  
Member (Cargo & Finance)

Sd/-  
**(S. P. GAUR)**  
Chairman

## SCHEDULE V

**PAY & ALLOWANCES & OTHER STAFF COSTS  
FOR THE YEAR ENDED 31-3-2008**

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
	<b>PAY &amp; ALLOWANCES &amp; OTHER STAFF COSTS</b>	
19,051,886	i) Pay & Allowances	20,644,526
7,500	ii) Honorarium	32,000
1,906,035	iii) Medical Reimbursement	2,059,642
89,847	iv) Daily Wages	37,192
304,149	v) OTA	360,320
185,025	vi) Bonus	185,205
	vii) Leave Salary & Pension Contribution	534,408
1,592,077	viii) Rent for Residence	2,796,397
48,115	ix) Liveries	23,435
428,277	x) Staff welfare Expenses	462,734
18,640	x) Tuition fees	27,940
2,298,833	xi) Pension & Gratuity Contribution	2,513,206
1,638,125	xii) Leave Encashment	1,155,128
362,151	xiii) LTC Exp.	166,118
<b>28,411,173</b>	<b>TOTAL</b>	<b>30,998,251</b>

Sd/-  
(S. JAYARAMAN)  
Chief Accounts Officer

Sd/-  
(S.C.SRIVASTAVA)  
Member(Cargo & Finance)

Sd/-  
(S. P. GAUR)  
Chairman

**SCHEDULE VI**
**GENERAL & OTHER EXPENSES FOR  
THE YEAR ENDED 31.3.2008**

PREVIOUS YEAR (FIGURES IN RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
2,132,342	i) Repairs & Maintenance	1,841,056
	ii) Staff Recruitment Expenses	234,092
919,303	iii) Postage, Telephone & Telegram	1,003,550
910,077	iv) Printing & Stationery	923,033
	v) Vehicle Running & Maintenance	1,965,429
84,081	vi) Advertisement & Publicity	44,558
	vii) Conveyance	
181,807	Reimbursement	187,253
	viii) Traveling Expenses	
3,187,866	---Inland	2,862,100
426,466	---Abroad	1,407,430
103,383	ix) Newspaper & Periodicals	112,744
28,151	x) Misc. Expenses	35,639
52,056	xi) Consumables	21,128
	xii) Electricity & Water Charges	1,244,492
1,034,277	xiii) Audit Fees & expenses	853,170
768,796	xiv) Legal Charges	540,740
350,630	xv) Seminar & Workshop/Conference	53,808
346,233	xvi) Hindi Promotion	295,644
338,376	xvii) Authority meeting expenses	58,567
44,558		
<b>12,478,458</b>	<b>TOTAL</b>	<b>13,684,433</b>

Sd/-  
**(S. JAYARAMAN)**  
Chief Accounts Officer

Sd/-  
**(S.C.SRIVASTAVA)**  
Member (Cargo & Finance)

Sd/-  
**(S. P. GAUR)**  
Chairman



## SCHEDULE- VII

## NOTES FORMING PART OF ACCOUNTS AS ON 31.3.2008

1. Capital work in progress amounting to Rs. 7,819.28 lakhs (previous year Rs. 8455.51 lakhs) consists of following:

	Name of Party	Purpose	Amount (Rs. in lakhs)
a)	CPWD	Construction of Lower Level Jetty at Pandu	3608.37
b)	Neptune Marine (P) Ltd.	Construction of Work Boats	161.93
c)	HDPE	Construction of cargo vessels	652.94
d)	CPWD	Construction of high level jetty Pandu	9.08
e)	HDPE	Construction of Hy. Surface dredger	470.68
f)	CPWD	Construction of terminals in NW- 3	246.01
g)	CPWD	Construction of high level jetty at Gaighat	32.45
h)	NSDRC	Design and modification of Hy. Surface dredger	5.40
i)	PWD – Assam	Construction of Jogigopa Terminal	97.50
j)	Marine Electronic Navigation System	Supply of Raddars	20.02
k)	M/s. Star tech. (P) Ltd.,	Construction of dredging units	202.93
l)	University of Kerala	For Construction of tug./ Survey Launch/Barges	4.05
m)	EIL	Supply of Hydraulic crane	0.98
n)	Govt. of Kerala	Land for winding of canal	89.20
o)	Asia Navigation	Supply of Buoys	36.26
p)	CPWD - Bhagalpur	Construction of Boundary wall	13.21
q)	M/s. Tebma Shipyard	Construction of dredging unit	969.70
r)	HDPE	Construction of work Boat	418.50
s)	M/s. A.C. Roy & Co.,	Construction of Accommodation Boat	522.17
t)	M/s. A.C. Roy & Co.,	Construction of Steel Pantoon	22.98
u)	CPWD – Allahabad	Construction of Allahabad terminal	46.00
v)	NF – Railway	Construction of connecting Road	132.66
w)	NF – Railway	Construction BG siding at Pandu	33.80
x)	Techno steel & Craft	Construction of Pontoon	22.46
		<b>Total</b>	7819.28

2. During the year 2007-08, 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	
15,39,615	14,63,088	3,33,948	39,614	11,63,181	14,84,789	60,24,235
Previous Year -						
15,14,011	3,47,510	4,80,513	28,865	4,26,466	27,92,496	50,71,471

During the year Chairman IWAI visited (i) Bangkok to participate in the North East India trade and investment opportunities week (ii) Antwerp (Belgium) to participate in 2nd European conference and Vice Chairman of IWAI has also visited (i) United States to study on mississippi/ohio river (ii) Bangkok to participate in the North East India Trade and investment opportunities week; on above tours, authority has incurred Rs. 11.63 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) During the year the ITAT has given decision for the assessment year 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 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.

(ii) ACIT Noida has also imposed penalty in response to fresh assessment orders and raised demand. An appeal against the said penalty orders has also filed with CIT (Appeals), Ghaziabad, and the decision is awaited. The department has also raised a demand of Rs. 9.44 crores plus interest u/s 220(2); out this Rs. 2.00 crores has been paid during year and department is requested to keep in abeyance the balance demand till disposal of appeals.

(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 nine 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 2007-08. For renewal of exemption u/s 10(23C)(iv) from the Assessment year 2008-09 onwards, application has already been filed with CIT - Ghaziabad. The renewal is awaited.

5. A sum of Rs. 2,991 lakhs (previous year Rs. 2,991.00 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. 2,970.44 lakhs (previous year Rs. 2,642.09 lakhs) has been capitalised on account of Gaighat Terminal and Rs. 469.51 lakhs has been capitalized towards final cost for construction of NINI.

6. A sum of 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, 2.20 acres land has not been delivered to IWA 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 i.e. Rs. 68.33 lakhs has been shown as advance to Govt. of Bihar.
7. A sum of Rs. 993 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, 2008 (previous year Rs. 764.50 lakhs). In current financial year Govt. of Kerala has intimated that interest of Rs. 10.48 lakhs has been earned from authority fund and the same has been treated as advance against acquisition of land for terminal. 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. 906.62 lakhs as terminal & Rs. 39.68 lakh as building has been capitalized ( previous year Rs. 915.25 lakhs) and Rs.246.01 lakhs (previous year Rs. 231.23 lakhs) has been shown as capital work in progress.
9. For acquisition of land for widening of canals in NW- 3 measuring 21.28 hect. an advance of Rs. 1221 lakhs ( previous year Rs. 1221 lakhs) was released to Govt. of Kerala. Out of this, land value at Rs. 1075.34 lakhs (area 21.2592 hectares) has been received and therefore capitalized (previous year Rs. 966 lakhs). In current financial year Govt. of Kerala has intimated that interest of Rs. 50.71 lakhs has been earned from authority fund and a same has been treated as advance against acquisition of land for widening of canal.
10. A sum of Rs. 1,373 lakhs (previous year 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 Gaihat, Patna. Out of this, a sum of Rs. 32.45 lakhs has been charged to Capital Works in Progress.
11. A sum of Rs. 1,770 lakhs (previous year 1,770.00 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. 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. 33.80 lakhs (Previous year NIL) 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. A sum of Rs. 3,814 lakhs was released as deposit to Executive Engineer, CPWD, Guwahati in connection with construction of one lower level berth at Pandu, Guwahati. Out of this, a sum of Rs. 3,608.37 lakhs (Previous year 2996.25 lakhs) has been shown as Capital Work in Progress.
15. 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.
16. 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 to value of Rs. 1.00 has been taken in accounts.
17. A Claim was lodged with M/s Oriental Insurance Co. for Rs. 34.47 lakhs towards loss of Buoys and Lights including penal interest. 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.
18. 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 349 LAR cases and 147 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.
19. Capital grant for the year F.Y. 2007-08 of Rs. 60.65 crores includes stores and spares Rs. 4.44 crores and deposits paid to state govt. departments Rs. 3.22 crores.
20. During the financial year 2006-07 36 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. 25.55 lakhs. The reply from insurance company is awaited.

21. During March 2005, the Authority signed agreement with M/s HDPE Kolkata for construction and delivery of Floating Dry Dock at a cost of Rs. 10.86 crore. As per terms of the agreement first two stage payment of Rs. 3.49 crore after deducting security deposit of Rs. 87.30 lakh has been released. The Authority has cancelled the contract and the amount paid to HDPE-Kolkata has been shown as advance to contractor. For reviewing the project a committee has been formed and committee recommended that the work may be given to M/s HDPE again. After this the cost of project has been increased by HDPE due to increase in steel price etc. The proposal was considered by Authority which has directed the rate quoted by HDPE is to be properly justified.
22. Kochi office is having bank account with State Bank of India. A prohibitory order No. e7-11/07-08/ Municipal corporation dt. 26.03.2008 has been issued by the Tahsildar, Kanayanoor, District to Bank wherein it has been indicated that the IWAI, Kochi has failed to pay the rent arrears of Rs. 39,25,926.00 and interest and other collection charges payable to Corporation - Kochi and as a result of which the director IWAI has been restrained from receiving the above referred amount from the bank until any further order is passed in this regard. Recently the bank has transferred Rs. 42.20 Lakhs to Tahsildar (RR) Kanayanoor, Ernakulam, Kerala.
23. Bank guarantees valued at Rs. 1,630.46 lakhs (Previous year Rs. 824.01 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, 2008.
24. Subsidy of Rs. 185.99 lakhs (previous year Rs. 87.89 lakhs) was released during FY-2007-08.
25. As per Companies Act, 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%.
26. Annual Accounts has been prepared as per Accounting Standards issued by the Institute of Chartered Accountants of India.
27. Re-grouping and re-classification has been done where considered necessary.
28. All the figures are rounded off to the nearest rupee.

Sd/-

**(S. Jayaraman)****Chief Accounts Officer**

Sd/-

**(S.C. Srivastava)****Member (Cargo & 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 2008.**

We have audited the attached Balance Sheet of Inland Waterways Authority of India (Corporation) as at 31st March 2008 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 except that :

### **A. General**

#### **Notes forming part of accounts ( Schedule VII )**

Ministry's directives ( February 2005 ) regarding inclusion of a note in the Notes to accounts on

Member's responsibility statements and formation of an Audit committee as a measure of good corporate governance, have not been complied with.

## **B. Balance Sheet**

### **(1) Fixed Assets**

#### **Capital work in progress : Rs. 78.19 crore**

This is overstated by Rs. 89.20 lakh being the advance paid to Government of Kerala for land acquisition for widening of Canal for project NW-3, the possession of which had not been received.

This has also resulted in understatement of Deposits, Loans and Advances by the same amount.

### **(2) Current Liabilities & Provisions<sup>1</sup>**

#### **Provisions : Rs. 3.63 crore**

(i) This is understated by Rs. 42.20 lakh ( Rs. 39.26 lakh as rent arrears and Rs. 2.94 lakh as collection charges ) on account of demand raised by prohibitory orders dated 26.03.2008 by Tahsildar, Kanayanoor, Ernakulam, Kerala.

This has also resulted in understatement of Operational & Maintenance Expenses by the same account.

(ii) This is understated by Rs. 2.97 crore<sup>1</sup> on account of arrears of Pay and allowances payable in view of 6th Pay Commission.

iv. Subject to our observation in the preceding paragraphs, we report that the Balance Sheet and Income and Expenditure Account dealt with by this report are in agreement with the books of accounts.

v. In our opinion and to the best of our information and according to the explanation given to us, the said financial statements read together with the Accounting policies and Notes on Accounts, and subjects to the significant matters stated above and other matters 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, 2008 : and

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<sup>1</sup>worked out on an average of 25 % in pay and allowances

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 : 10 November 2008**

**Sd/-**

**(Birendra Kumar)**

**Principal Director of Commercial Audit**

**ex-officio Member, Audit Board-I**

**New Delhi**



## Annexure-I

1. **Adequacy of Internal Audit System :** The periodicity and extent of coverage of Internal Audit by the firm of Chartered Accountants were not commensurate with the size and nature of the business of Authority. The Authority does not have an Internal Audit Manual. Internal Audit System needs to be strengthened.
2. **Adequacy of Internal Control System:** Internal control system was not adequate. 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 not prepared any Accounting system Manual for proper maintenance of uniform accounting records in Head Office as well as in all sub accounting units.

3. **System of Physical Verification of Fixed Assets:** The fixed assets have been physically verified by the management annually. As per the Note no. 20 forming part of accounts as on 31.03.2008, 36 nos. of Buoys, with Chain anchor and accessories and 7 day marks were lost at Kolkata region and the Authority lodged an insurance claim of Rs. 25.55 lakh. As per the physical verification report, no loss of any such equipment was shown.
4. **System of Physical Verification of Inventory :** The inventory has been physically verified by the management annually.
5. **Regularity in payment of statutory dues :** No Statutory dues were outstanding for more than six months except for a demand from Income tax department amounting to Rs. 9.44 crore out of which Rs.2.00 crore have been paid during the year. The matter is pending with the High Court of Allahabad.

**Annexure – II**
**Review of Accounts of Inland Waterways Authority of India for the year ended 31st March 2008 by the Comptroller and Auditor General of India**
**1. FINANCIAL POSITION**

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

(Rupees in Crore)

	<b>Liabilities</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>
a)	Capital under section 11 (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.	220.39	280.32	332.25
	ii) Loans	-	-	-
c)	Reserve & Surplus			
	i) Free Reserve	-	-	-
	ii) Capital Reserve	-	-	-
d)	i) Current Liabilities & Provisions	27.38	42.95	42.82
	ii) Provision for gratuity	-	0.19	0.21
	<b>Total</b>	<b>248.71</b>	<b>324.40</b>	<b>376.22</b>
	<b>Assets</b>			
e)	Gross Block	147.73	157.52	217.81
f)	Less : Cumulative Depreciation	35.59	41.69	50.37
g)	i) Net Block	112.14	115.83	167.44
	ii) Leasehold land	2.19	2.15	2.11
h)	Capital work in progress	74.23	84.55	78.19
i)	Investments	-	-	0.50
j)	Current Assets, Loans & Advances	60.15	121.87	127.98
k)	Miscellaneous Expenditure ( Income & Expenditure Account )	-	-	-
	<b>Total</b>	<b>248.71</b>	<b>324.40</b>	<b>376.22</b>
l)	Working Capital { j-d (i) & (ii) }	32.77	78.73	84.95
m)	Capital Employed ( g + 1 )	147.10	196.71	254.50
n)	Net Worth {a+ c (i)-k }	0.94	0.94	0.94
o)	Net Worth per Rupee of Capital under section 11 (i) ( c ) of Act ( n / a)	1	1	1

## 2. LIQUIDITY

Percentage of current Assets to Current Liabilities and Provisions ( excluding gratuity provision ) which is a measure of liquidity was 219.68, 283.75 and 298.88 during 2005-06, 2006-07 and 2007-08 respectively.

## 3. SOURCES AND UTILISATION OF FUNDS

Fund amounting to Rs. 58.29 crore from external sources were generated and utilized by the Authority during the year as per details given below :-

<b>A. Source of Funds</b>	<b>( Rupees in Crore )</b>
i) Increase in Capital Grant	51.93
ii) Decrease in Capital Work in progress	6.36
<b>Total</b>	<b>58.29</b>
<b>B. Utilisation of Funds</b>	
i) Increase in Fixed Assets ( net )	51.57
ii) Increase in Working Capital	6.22
iii) Increase in Investment	0.50
<b>Total</b>	<b>58.29</b>

Place : New Delhi

Date : 10 November 2008

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 2008

### A. General

The Authority has requested the Ministry vide letter ref no. IWAI/FIN/3403/Audit Com./ 07-08 dt. 19.10.2007 to review the instructions contained in Ministry's letter dated 28.02.2005 and clarify whether Audit Committee is to be constituted by a statutory body like IWAI.

### B. Balance Sheet

#### (1) Fixed Assets

As per the statement of Government of Kerala, an amount of Rs. 89.20 lakh has been spent for acquisition of land. Due to Non availability of land details, the same has been shown as capital work in progress. Details will be collected in current Financial Year and proper classification will be ensured.

#### (2) Current Liabilities & Provisions

##### Provisions: Rs. 3.63 crore

(i) The rent arrears of Rs. 42.20 lakh vide prohibitory order of Tahsildar, Kanayanoor, Ernakulam, Kerala has been debited from IWAI A/c on 30.06.2008. Accordingly, expenditure on this account will be reflected in the Accounts of Financial Year 2008-09.

(ii) The 6th Pay Commission recommendations has been approved by the Government only in the month of September 2008 after finalization of Annual Accounts. The expenditure on account of 6th Pay Commission has been provided in the current Financial Year 2008-09.

### C. Annexure-1

- 1. Adequacy of Internal Audit System:** The Authority has appointed an experienced Chartered Accountant for Internal Audit of filed offices on quarterly basis. The Authority has also appointed Chartered Accountant firm for preparation of Accounts manual, as also Internal Audit manual. This exercise will be completed shortly.
- 2. Adequacy of Internal Control System:** The Internal control system has since been improved. Requisite MIS is also being generated to monitor implementation of projects.
- 3. System of Physical Verification of Fixed Assets:** Factual position, hence no comments.
- 4. System of Physical Verification of Inventory:** Factual position, hence no comments.
- 5. Regularity in payment of statutory dues:** Factual position, hence no comments.

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# Annual Report 2007 - 08



**INLAND WATERWAYS AUTHORITY OF INDIA**

**DEPARTMENT OF SHIPPING**

**MINISTRY OF SHIPPING, ROAD TRANSPORT & HIGHWAYS**

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