

Annual Report

2010 - 2011



INLAND WATERWAYS AUTHORITY OF INDIA
MINISTRY OF SHIPPING

HEAD OFFICE : A-13, SECTOR-1, NOIDA-201301, DISTT.GAUTAMBUDH NAGAR (U.P.)

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MEMBERS OF THE AUTHORITY (During 2010-11)

		Telephone No.	Fax No.
Chairman	Shri S.P. Gaur, IAS (Upto 31.04.2010)	0120-2543972	0120-2543973
	Smt. Bhupinder Prasad, IAS (From 03.05.2010 till date)		
Member	Shri Sunil Kumar, IAS Vice-Chairman, IWAI	0120-2544009	0120-2544009
Member	Shri V. K. Chhibber, IAS Additional Secretary & Financial Advisor, Ministry of Shipping	011-23710140	011-23715195
Member	Shri M. L. Meena, IAS Chairman, Kolkata Port Trust	033-22205370	033-22208226
Member	Sh. Pradeep Kumar, IAS Member (Finance), IWAI (Upto 28.07.2010)	0120-2544004	0120-2544004
	Sh. Deepak Das Member (Finance), IWAI (From 05.10.2010 till date)		
Member	Sh. Shankar Ram Member (Technical), IWAI (From 10.08.2010 to 02.05.2011)		
Member	Shri Rajeev Gupta Joint Secretary (Shipping & IWT) Ministry of Shipping	011-23710189	011-23722855

OTHER DETAILS

		Telephone No.
Secretary	Shri S. K. Shahi (From 24.12.2009 till date)	0120-2544036
Auditors	COMPTROLLER AND AUDITOR GENERAL OF INDIA	011-23235793
Bankers	SYNDICATE BANK Transport Bhawan, Parliament Street, New Delhi 110 001	011-23717573
	SYNDICATE BANK Sector-18, Noida 201 301	0120-2514381
	CANARA BANK Sector-1, Noida 201 301	0120-2529163

REGIONAL OFFICES

	Telephone No.	Fax No.
INLAND WATERWAYS AUTHORITY OF INDIA Gaighat Terminal-Cum Office, Gulzarbagh, Patna - 800 007 (Bihar)	0612-2630012 0612-2630005 0612-2630114	0612-2630100
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 Pandu Port Complex, Pandu Guwahati - 781 012 (Assam)	0361-2570109 0361-2676925 0361-2676927 0361-2676929	0361-2570099 0361-2570055
INLAND WATERWAYS AUTHORITY OF INDIA National Waterways Road, N. H. 47 Bye pass, Kannadikkadu, Maradu, Ernakulam - 682 304 (Kerala)	0484-2389804 0484-2389208	0484-2389445

SUB OFFICES

	Telephone No.	Fax No.
INLAND WATERWAYS AUTHORITY OF INDIA 360/F/44, Nawab Yusuf Road, Civil Lines, Allahabad - 211 006 (U.P.)	0532-2561151 0532-2560537	0532-2561152
INLAND WATERWAYS AUTHORITY OF INDIA 52, 2 nd floor, Patel Nagar, Nadesar, Varanasi - 221 002 (U.P.)	0542-2505329	0542-2505329
INLAND WATERWAYS AUTHORITY OF INDIA Navin Ganguli Road, Durga Asthan (Mandir Ghat), Bhagalpur - 821001 (Bihar)	0641-2400651	0641-2400651
INLAND WATERWAYS AUTHORITY OF INDIA Office Building No. 1, FBP Office Complex, P.O. Farakka Barrage, Distt. Murshidabad - 742 212 (West Bengal)	03485-255809	03485-255809
INLAND WATERWAYS AUTHORITY OF INDIA Durgabari Road Tiniali, A. T. Road, Naliapool Dibrugarh- 786 001	0373-2302540	

1. IWT Sector - General Information

Transport sector comprising railways, roads, coastal shipping, inland waterways, pipelines and airways is pivotal for economic development of any country. A developed transport system enables optimum cost of transportation in a multimodal network utilizing strengths of all these modes on case to case basis.

Inland Water Transport (IWT) offers a cost effective environment friendly and fuel efficient mode, specially for bulk cargo, hazardous goods and over dimensional cargo - so vital for industrial development. It is on account of these strengths that this mode is being extensively used for transportation of bulk goods on every country e.g. USA, China, Europe etc where development of this mode was given due attention.

India has a number of rivers, backwaters, creeks and canals, which have the potential to be used as cost effective and efficient mode of transportation. Till middle of 20th century, IWT had been used as an important mode of transportation in various parts of the country. However, due to neglect of its developmental needs, the use of IWT in an organized manner is significantly seen today only in a few areas e.g. Goa, Assam, West Bengal and Mumbai, apart from Ganga, Brahmaputra and Champakara and Udyogmandal canals. It is however, heartening that transportation of goods by IWT mode in these regions has been steadily increasing and has gone up to 74.30 million tonne (4.828 btkm) in 2010-11 from the level of 32.48 million tonne (1.63 btkm) in 2003-04.

Inadequate infrastructural facilities such as depth and width required for movement of IWT vessels of reasonable size for round the year operation, terminals for loading and unloading of cargo and connectivity with road/ rail, navigational aids for safe and unhindered navigation during day and night and shortage of IWT vessels are the main constraints facing the inland waterways sector. To achieve substantial IWT traffic, thrust is therefore necessary on creation of infrastructure mainly through public funding and at the same time augmentation of IWT fleet primarily through private sector.

2. Inland Waterways Authority Of India (IWAI)

The IWAI was set up on 27th October 1986 vide Inland Waterways Authority of India Act, 1985, for regulation and development of inland waterways for the purposes of shipping and navigation. The IWAI is primarily responsible for development, maintenance and regulation of National Waterways. It also advises Ministry of Shipping on all matters related to IWT. The development of waterways other than National Waterways remains in the purview of respective State Governments.

3. National Waterways (NWs)

There are five NWs namely the Ganga from Haldia to Allahabad (NW-1, 1620 km), the Brahmaputra from Dhubri to Sadiya (NW-2, 891 km), the West Coast Canal from Kottapuram to Kollam with Udyogmandal and Champakara canals (NW-3, 205 km), the Kakinada-Puducherry stretch of canals with Godavari and Krishna rivers (NW-4, 1078 km) and the East Coast Canal with Brahmani river and Mahanadi delta (NW-5, 588 km). These waterways were declared as NWs in 1986, 1988, 1993, 2008 and 2008 respectively. Declaration of Barak river from Lakhipur to Bhangra (121 km) as yet another NW is under consideration of the Government.

4. Development of National Waterways

There are three basic infrastructural requirements for making a waterway viable for shipping and navigation. These are (i) navigation channel with adequate depth and width for reasonable size of inland vessels, (ii) navigation aids for day and night navigation, and (iii) terminals to provide facility for berthing of vessels, loading and unloading of cargo/passengers and connectivity with road and rail.

IWAI undertakes development and maintenance of IWT related infrastructure facilities on NW-1, 2 & 3. As no funds have been allocated for NW-4 and 5, no developmental activities have been taken up on these. Detailed Project Reports (DPR) have been prepared and action is being taken to explore the feasibility of developing more commercially viable stretches of NW-4 & 5 under public private partnership (PPP) mode with viability gap funding scheme through Department of Economic Affairs and also through Pilot Project Initiatives of Asian Development Bank.

IWAI is implementing various projects for making NW-1, 2 & 3 fully functional by providing following infrastructure:-

- Fairway with 3m//2.5 m/2m/1.5m depth in NW-1, 2.5 m/2m/1.5 m depth in NW-2 and 2 m depth in NW-3.
- Fixed and floating terminals with mechanical handling facilities at several places.
- Facilities for day and night navigation; and
- Vessels for channel developmental works.

National Waterways 1 and 2 are alluvial rivers with typical characteristics of braiding, meandering and large water level fluctuation 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, become a difficult task. In these rivers, conservancy works (dredging and bandalling) are to be repeated every year on the shoals since after every monsoon the shoals are to be identified afresh and corrective measures (River Conservancy works) taken up. NW-3 on the other hand,

is a tidal canal with predictable and uniform tidal variation in water level. On this waterway, therefore, once the desired depth is provided by capital dredging, it can be maintained for a number of years by undertaking nominal maintenance dredging from time to time as per actual requirement. NW-4 and 5 consist of both canal and river stretches. While canal portions need to be extensively dredged once to provide depth, on Godavari and Krishna rivers yearly dredging will be required and on Brahmani river, five barrages with navigational locks have been proposed.

4.1 National Waterway -1

Fairway Development :- The stretch between Haldia and Tribeni (196 km) is tidal and the least Available Depth (LAD) of more than 3.0 m is maintained naturally therein. During 2010-11, to maintain LAD in stretch upstream of Tribeni, 1650 m of bandals were erected and maintained in Tribeni-Rajmahal (399 km), and 18300 m in Rajmahal-Allahabad (1025 km) stretches. In addition, 0.99 lakh m³ of dredging was carried out in Tribeni-Rajmahal stretch and 3.89 lakh m³ in Rajmahal-Varanasi stretch by deploying eight Cutter Suction Dredgers (CSD) which are owned by IWAI. LAD of 2.5 m was maintained between Haldia and Farakka (560 km) for about 330 days. LAD of 2 m for about 180 days was maintained between Farakka and Ghazipur (460 km), 1.5 m LAD between Varanasi-Allahabad was maintained for about 165 days. Construction of two more Cutter Suction Dredgers (CSD) for NW-1 was completed during 2010-11.

Terminals :- At Patna, low-level jetty has already been constructed while construction of high-level jetty by CPWD progressed and 80% work was completed by March 2011. For construction of permanent terminal at GR jetty, Kolkata, IWAI had entrusted the work to CPWD on deposit basis. During 2010-11 about 58% work was completed by March 2011. For construction of permanent terminal at Varanasi, the work was entrusted to M/s. EPI Ltd and after preparing estimate/drawing/design etc they floated the tender for construction work. Fixed terminals already exist at Farakka and Pakur.

Besides these fixed terminals, floating terminals also exist at Haldia, Kolkata (BISN and Botanical garden), Shantipur, Swaroopganj, Katwa, Hajardwari, Farakka, Rajmahal, Sahibganj, Bateshwarsthan, Bhagalpur, Munger, Semaria, Doriganj, Buxar, Ghazipur, Varanasi and Allahabad. These terminals were maintained and used for transportation of cargo.

A scheme for construction of office cum River Information System building at Patna was sanctioned at a cost of Rs. 4.93 cr during March 2011.

Navigation Aids :- Temporary channel marks for day navigation were erected and maintained between Tribeni and Allahabad

all round the year. Besides, fortnightly thalweg surveys were conducted during low water period and on monthly basis during flood period. River notices were issued and pilotage provided to the cargo vessels. During 2010-11, the night navigation aids were maintained between Tribeni and Varanasi (1189 km) with 1513 country boats fitted with lights/ beacons. To supplement these aids and for providing state-of-the-art 24 hrs navigation aids in the entire waterway, DGPS station was already commissioned and in operation at Bhagalpur and work was in progress at Swaroopganj and Patna.

4.2 National Waterway No- 2

Fairway development :- During the year, 30,475 m of bandals were erected and maintained in the entire waterway. In addition 1.50 lakh m³ of dredging was also done by deploying departmental dredgers of IWAI. Least available depth (LAD) of 2.5m was maintained round the year between Dhubri and Neamati, 2.0m between Neamati and Dibrugarh and 1.5m between Dibrugarh and Sadiya for about 330 days.

Terminals :- A Master plan for development of terminal at Pandu in a phased manner has been prepared. A low level RCC Jetty has been made operational at Pandu. A High level jetty is under construction at a sanctioned cost of Rs. 33.32 Cr. though CPWD on deposit work basis. Till March 2011, the overall progress of the project was 83%. The project is expected to be completed by December 2011. RCE for construction of BG railway siding through NF railway on deposit work basis connecting Pandu terminal to Kamakhya Railway station, at a revised sanctioned cost of Rs. 12.97 Cr has been approved by IWAI Board during Oct'10. The project is expected to be completed by September 2011. A scheme for developmental works like bank protection, construction/repair of internal road, drainage, hard stand etc. at an estimated cost of Rs. 4.64 cr. at Pandu through CPWD has been sanctioned during March 2011. Construction of an alternate road to Pandu connecting NH31 for movement of vehicular traffic has also been approved in principle and N.F. Rly has accorded permission to IWAI for construction of the road through its land.

Scheme for construction of office cum River Information System building of R.O. IWAI Guwahati at Pandu at an estimated cost of Rs. 4.61 Cr. was sanctioned during March 2011.

Floating terminals were provided and maintained for facilitating cargo movement at Dhubri, Jogighopa, Tejpur, Silghat, Neamati, Dibrugarh and Panbari. Land acquisition for development of terminals at Dhubri, Neamati, Silghat and Dibrugarh has been completed during 2010-11.

Navigation Aids :- Channel marking for day navigation were provided and maintained in the entire waterway. Night navigation aids were also provided in a phased manner between Dhubri and Balijan, (u/s of Dibrugarh). Fortnightly thalweg survey during lean season and monthly thalweg survey during flood

season are carried out regularly and river notices have been issued. Pilotage to the cargo vessel has been provided.

4.3 National Waterway - 3

Fairway Development :- Annual fairway development works including maintenance dredging and maintenance of 24 hours navigational aids were carried out. Capital dredging for widening and deepening of canal in Kochi- Alappuzha, Alappuzha – Kayamkulam, Kayamkulam – Edapallikotta, Edapallikotta – Kollam Stretches was started in first phase during 1997-98. In Kochi – Kottapuram stretch, capital dredging was started in second phase during September 2002. Work in Kochi- Alappuzha stretch was completed and in Kochi - Kottapuram stretch dredging was completed except 4.83 km. But in the remaining stretch, 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 had been estimated as 87.16 km, out of which 65 Km has so far been dredged and 22.16 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 cum, out of which 27 lakh cum has been dredged and 13.33 lakh cum remains to be dredged. For completion of this capital dredging (which also includes widening of the narrow section, which necessitates removal of boulders, coconut trees, old bank protection etc.), a scheme at a cost of Rs. 89.74 Cr. was approved by the Government and works were awarded in Alappuzha – Kayamkulam and Kayamkulam – Edapallikotta stretches. A quantity of 0.62 lakh cum had been completed in Alappuzha-Kayamkulam stretch till March 2011 and dredging work had commenced on 18.3.2011 in Kayamkulam-Edapallikotta stretch. The work is scheduled to be completed by January 2013. With regard to Edapallikotta- Kollam stretch, where hard strata exists, tendering is in process to execute the work through contract. The capital dredging work in remaining stretch of Kochi – Kottapuram is being executed by deploying three departmental dredgers.

Protection of the canal banks against erosion is another important activity for safe navigation. As on March 2011, 14.67 Km of canal bank has been provided with permanent bank protection in Champakara and Udyogmandal canals. In the canal sections under widening between Alappuzha and Kollam also, bank protection is being provided simultaneously with capital dredging, wherever required.

Terminals :- Permanent terminals at eight (8) locations viz Kottapuram, Aluva, Maradu, Vaikom, Thanneermukkom (Cherthala), Thrikkunnapuzha, Kayamkulam and Kollam have been constructed. Land has been acquired for the 9th terminal at Alappuzha during December 2010 and its construction is under progress at a cost of Rs.9.04 crores through CPWD, and the same is expected to be completed by November 2012.

IWT Connectivity to ICTT : In view of the development of International Container Transshipment Terminal (ICTT) at Vallarpadam in Cochin Port Area, there is tremendous potential for transportation of containerized cargo through NW-3. To capture this potential, terminals at Willingdon and Bolgatty Islands have been constructed at a cost of Rs 16.60 Cr with RO-RO (Roll On- Roll Off) and LO-LO (Lift On- Lift- Off) facilities specially for transportation of containers between ICTT Vallarpadam and Willingdon Island (3.5 Km). The operation of RO-RO service commenced w.e. f. 23/02/2011, thereby diverting traffic from congested roads of Kochi city.

Navigation aids : Navigation aids comprising of buoys and solar operated navigation lights (312 nos) and 18 beacons have been installed and maintained in the entire stretch of NW-3 to facilitate 24 hours navigation. This is the first National Waterway in the country having 24 hours navigation facilities for the entire stretch.

4.4 National Waterway - 4

Kakinada-Puducherry canal system (consisting of Kakinada canal, Eluru canal, Commamur canal, Buckingham canal and Kaluvelly tank) along with Godavari and Krishna rivers (1078 km) had been declared as a National Waterway in November 2008. Preparation of Detailed Project Report (DPR) has been completed. However, no fund has been allocated for its development. The Planning Commission suggested to explore the possibility of developing more commercially viable stretches of waterways through PPP mode. Accordingly, interaction was made with the stakeholders of both these waterways and more commercially stretches were identified. Subsequently, IWAI has taken up the matter with Department of Economic Affairs for developing the commercially viable stretches under PPP mode with Viability Gap Funding Scheme of the Govt as well as through Pilot Project Initiatives of Asian Development Bank (ADB).

4.5 National Waterway - 5

Waterway system consisting of East Coast Canal from Geonkhali to Charbatia along with Brahmani river from Talcher to Mangalgadi, Matai river from Charbatia to Dhamra and delta channels of Mahanadi and Brahmani rivers from Dhamra to Paradip (588 km) was also declared as a National Waterway in November 08. Preparation of Detailed Project Report (DPR) has been completed. However, for this waterway also, no fund has been allocated for their development. The Planning Commission suggested to explore the possibility of developing more commercially viable stretches of waterways through PPP mode. Accordingly, interaction was made with the stakeholders of both these waterways and more commercially stretches were identified. Subsequently, IWAI has taken up the matter

with Department of Economic Affairs for developing the commercially viable stretches under PPP mode with Viability Gap Funding Scheme of the Govt as well as through Pilot Project Initiatives of Asian Development Bank (ADB).

5.0 Proposed National Waterway - 6

A proposal for declaration of Laxhipur-Bhanga stretch (121 km) of Barak river was passed by the Lok Sabha during February 2009. However, before the same could be passed by the Rajya Sabha, the tenure of the Lok Sabha got over. Therefore, for processing this declaration proposal the entire process has to be done afresh. In 2010-11, Ministry took necessary action in this regard for which inputs were provided by IWAI from time to time.

6.0 Techno-Economic Studies and R & D

Preparation of Detailed Project Reports (DPR) for Kakinada-Puducherry canals along with Godavari and Krishna rivers and East-Coast Canal along with Brahmani river and Mahanadi delta have been completed in 2009-10 and their EIA/EMP studies are at advanced stage. Some other important studies in progress are: (a) Design of prototype inland cum coastal vessel; (b) Technical feasibility of providing 3 m LAD in Allahabad-Ghazipur stretch of NW-1, (c) DPR of Goa Waterways (d) DPR of Barak river (e) decongestion of Mumbai city through IWT and coastal routes; and (f) identification of potential waterways of north-eastern region.

7.0 National Inland Navigation Institute (NINI)

NINI has been functional at Patna w.e.f. February, 2004. Induction course (G.P rating course of 6 months duration) for deck and engine ratings has been recently commenced in NINI. Training of 14 batches of I.P/ G.P ratings has been completed and 1217 trainees passed out till March, 2011 in various courses. The administration and management of the Institute is done by M/s ARI, New Delhi. Further, NINI has got ISO 9001:2008 certification during February, 2010. 100% placement has been achieved for the trainees since 13th batch. A scheme for placement of NINI trained candidates on board IWAI vessels under Apprentice Act has also been implemented. An "Inland Vessel Maneuvering Simulator" has been set up and commissioned in March, 2010. Further, MoU has been signed between IWAI and M/s ARI for setting up of a "Marine Simulator Centre" at NINI on 50:50 revenue sharing bases for which the work is in progress.

8.0 Subsidy

An Inland Vessel Building Subsidy Scheme (IVBSS) was operationalised w.e.f 1.4.02, under which 30% cost of inland vessels built in India for operation on NWs and Indo-Bangladesh protocol routes was subsidised. The scheme however closed on 31.3.07. Considering that many important IWT infrastructure have been added on NW-1, 2, & 3, it is expected that if this scheme was continued in 11th Plan it would have helped in increasing IWT vessels on NWs which is the most important constraint of IWT cargo movement not increasing on NWs. Therefore Ministry agreed with the view of IWAI to extend this scheme during 11th Plan and its Standing Finance Committee headed by Secretary (Shipping) also recommended it. However, the Planning Commission did not agree for its continuation in 11th Plan and hence the scheme was not revised. There is demand from the stake holders of IWT sector in NW-1, 2 and 3 for reintroduction of this scheme.

9.0 Indo-Bangladesh Protocol on IWT

An Inland Water Transit and Trade Protocol exists between India and Bangladesh under which inland vessels of one country can transit through the specified routes of the other country. The existing protocol routes are (i) Kolkata-Silghat -Kolkata, (ii) Kolkata-Karimganj-Kolkata, (iii) Rajshahi-Dhulian-Rajshahi and (iv) Silghat-Karimganj- Silghat. For inter-country trade, five ports of call have been designated in each country. These are; Haldia, Kolkata, Pandu, Karimganj and Silghat in India and Narayanganj, Khulna, Mongla, Sirajganj and Ashuganj in Bangladesh. This protocol is presently valid upto 31.3.2012. More than 15 lakh tonnes of fly ash is transported between Kolkata/Haldia and Bangladesh every year under this protocol.

During 2010-11 significant decision was taken by both the Governments for extending the Protocol route of Kolkata- Pandu to Kolkata- Silghat and more importantly, declaration of Ashuganj in Bangladesh and Silghat in India as new Ports of Call. Making Ashuganj as a regular port of call is of great significance since it has improved connectivity of Tripura through IWT mode very substantially. Recently project materials for Palatana power plant of ONGC being constructed near Agartala in Tripura, have been transported from Kolkata/ Haldia through Protocol route up to Ashuganj in Bangladesh and thereafter by road to Palatana which is about 50 km from Ashuganj.

At the initiative of IWAI, the concerned Ministries of Home Affairs, Dept of Revenue, Environment & Forests, Govt of West Bengal and Bangladesh Authorities have approved the proposal to use an alternative route bypassing Core Area of Sunderbans Tiger Reserve. This route has been made operational w.e.f 1st June, 2011.

10.0 NTPC coal transportation project

NTPC's power plants at Farakka and Kahalgaon have requirement of imported coal amounting to more than 5 million tonnes per annum (MMTPA) which is brought through Paradip and Haldia ports. But due to capacity constraints of railways these power plants regularly face shortage of coal. Further, due to low depth available at Haldia port, bigger ocean going vessels cannot come there due to which, 70% of imported coal is received at Paradip port and from there it is transported by railways. Both these power plants are located along Ganga river (NW-1) quite close to the river bank. IWAI maintains LAD of 2.5 m between Haldia and Farakka (540 km) and with some more efforts it can be increased to 3.0 m which makes the operation of bigger and more commercially viable size of inland vessels (1500 to 2000 dwt) possible. Therefore, IWAI had been working with NTPC on the project of transportation of imported coal by IWT mode from Haldia to Farakka.

In July 2010, NTPC gave written commitment of transportation of 3 MMTPA of imported coal from Haldia to Farakka by IWT mode for a period of seven years. Thereafter IWAI and NTPC developed a project envisaging total investment from private sector. The project includes (a) transshipment infrastructure at Haldia (b) barges/inland vessels for movement of 3 MMTPA coal (c) unloading jetty at Farakka ; and (d) material handling/conveyor belt system from river front at Farakka to the coal stack yard of power plant.

An expression of interest was invited in August 2010 and a number of potential bidders (IWT operators, logistics operators etc.) responded enthusiastically to the same. Then a detailed request for proposal (RFP) document was prepared and bids invited in January 2011. On 31.01.2011 the pre bid meeting and site visit was organized at Farakka which was also very well attended by the prospective bidders. Bids were due to be received on 27th April 2011.

Success of this project may pave way for other such projects as well since there are many more thermal power plants along NW-1 and 2 (and some more are in the offing) and all these face shortage of coal due to limited capacity of railways.

11.0 Indo-Myanmar Kaladan Multimodal Transit Transport Project

This project was conceptualized by the Ministry of External Affairs to provide alternative connectivity of Mizoram with Haldia/Kolkata ports through Kaladan river in Myanmar. The project envisages Coastal Shipping/ Maritime Shipping from Haldia to Sittwe, IWT from Sittwe to Paletwa (in Myanmar) and thereafter by road from Paletwa to Mizoram. The project is piloted and funded by the MEA which appointed IWAI as their Project Development Consultant (PDC). After updation of DPR for port and IWT components, IWAI invited bids for construction of these facilities and gave its recommendations to

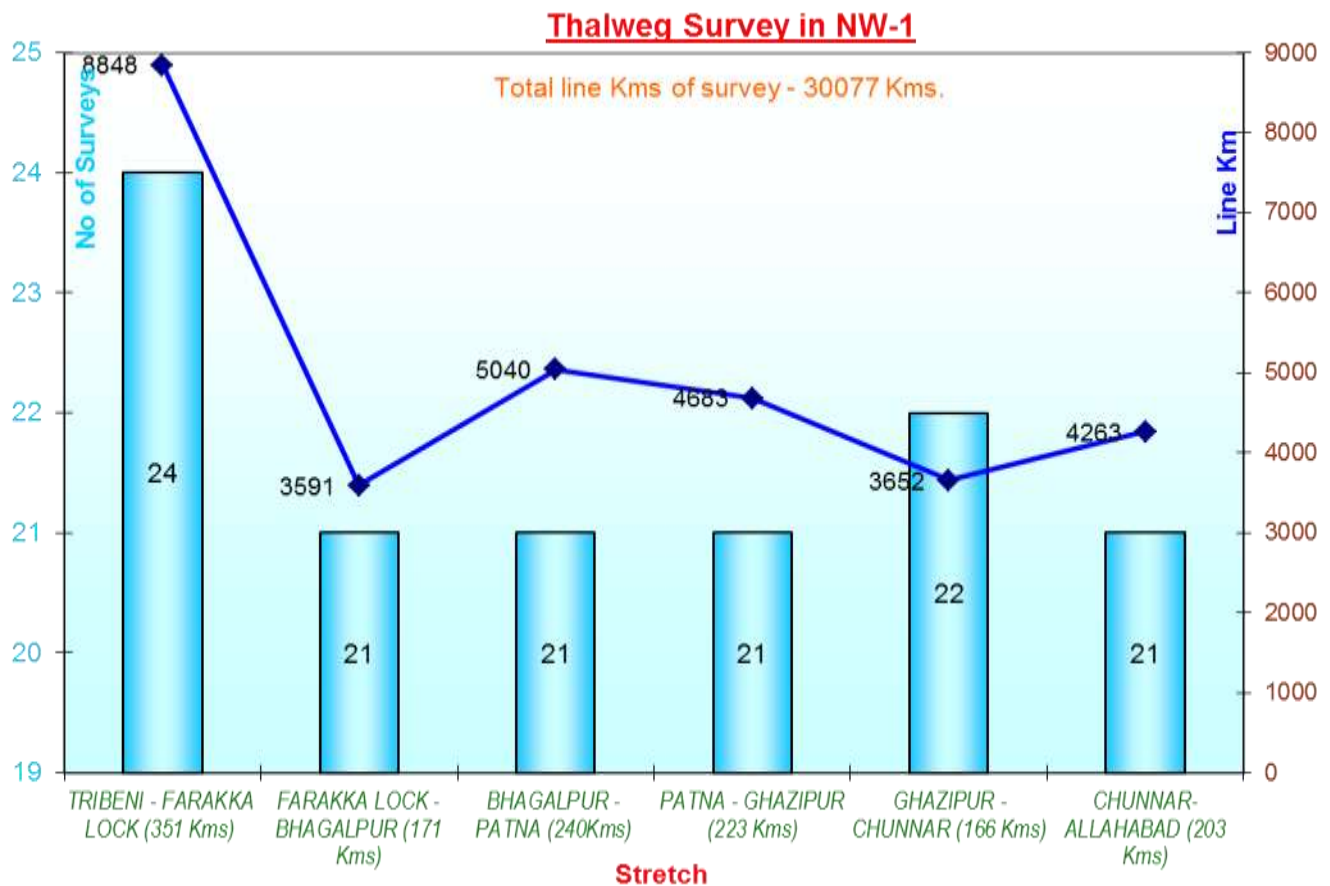
MEA for award of work to the successful bidder. Consequently, MEA has appointed an Indian contractor [M/s ESSAR projects (I) Pvt Ltd] for construction of port and IWT components at a cost Rs 342 cr. Contract was signed in May 2010 and the completion period of the project is 3 years. The construction work of Sittwe port has commenced and is in progress.

12. SURVEY ACTIVITIES DURING THE YEAR 2010-11

National Waterway No. - 1

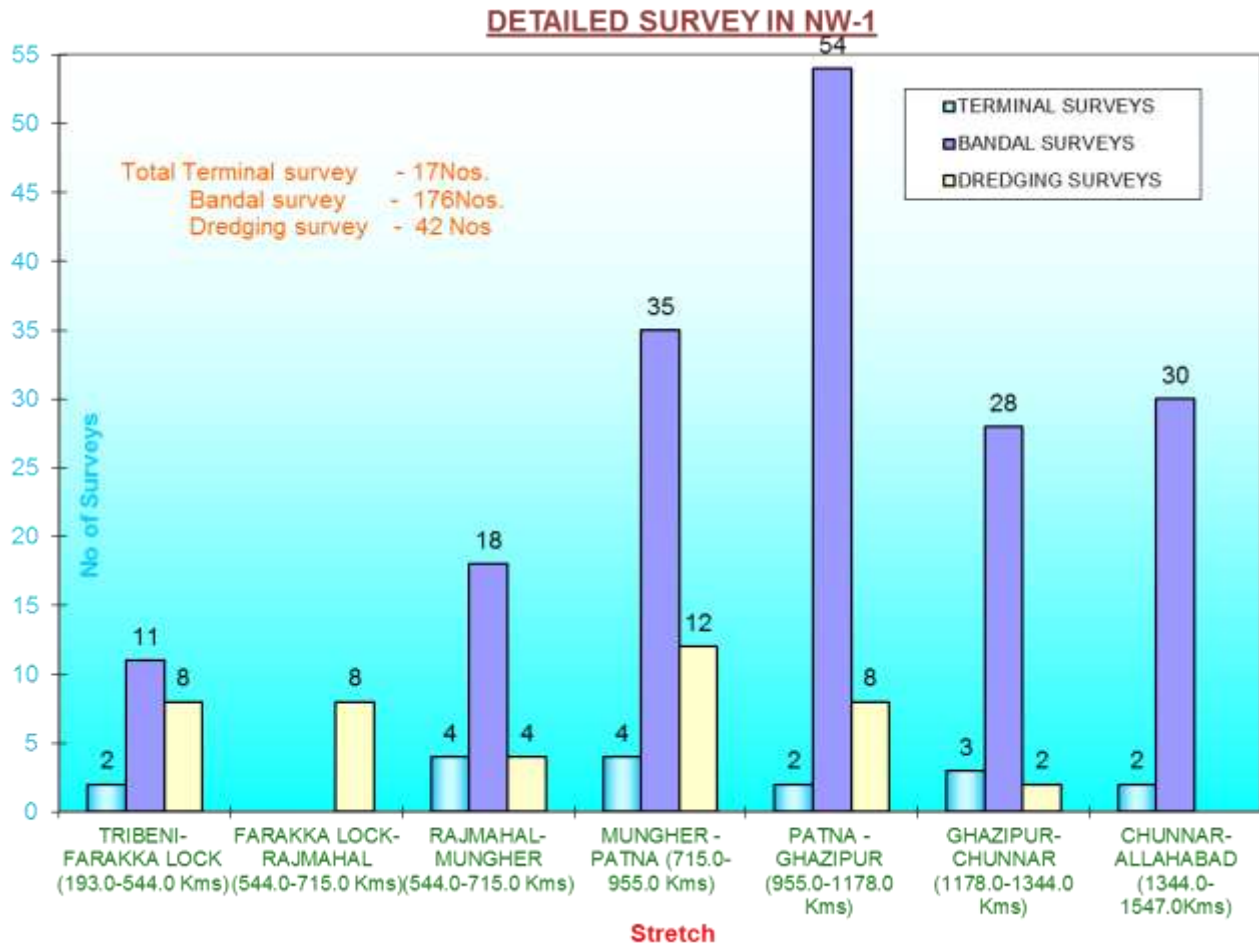
THALWEG SURVEYS

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi) to the IWT users. Total 30077 line Km of Thalweg surveys were undertaken during the year. Weekly survey has been conducted in the stretch Kolkata to Farakka during the month February to March 2011. Stretch-wise details of surveys undertaken are shown below :-



DETAILED SURVEYS

Pre / Post Bandalling and Dredging surveys were conducted departmentally at 203 shoal locations, details are given below :-



TERMINAL SURVEYS

Terminal Surveys were carried out at Down stream Farakka Navigational Lock Gate (543.5) and near NTPC plant (541.5) in TRIBENI-FARAKKA stretch, Manglahat (588.0), Samdaghat (617.0), Bhagalpur (715.0) and Munghyer (793.0) in FARAKKA – MUNGHYER stretch, Semaria (853.0), and Gaighat (955.0) in MUNGHYER - PATNA stretch at Buxer (1122.0) and in PATNA - GHAZIPUR stretch at Ghazipur Ghat (1177.0), U/s Ramnager (1318.0) and Rajghat (1308.0) in GHAZIPUR - VARANASI (1178.0-1316.0), at Chunnar (1345.0) and Lawayan (1535.0Kms) in VARANASI - ALLAHABAD.

DREDGING SURVEYS

Departmental dredger CSD Sweta (D/s Farakka Navigational Lock) and CSD Shipra (Bijaygunj) were deployed and carried out of 59857.87 cu.m and 3549.84 cu.m of dredging respectively. The dredging work was monitored by using Automated Hydrographic Survey System.

SURVEYS FOR RESEARCH & DEVELOPMENT AND STUDIES.

Based on these surveys, River Conservancy works like bandalling & dredging were taken up. Bank to bank survey has been carried from Fathuvah Nallah (974.0 Kms) to Danapur (974.0 Kms) for studying of channel condition. Periodical channel checking surveys were carried out in Farakka pond area.

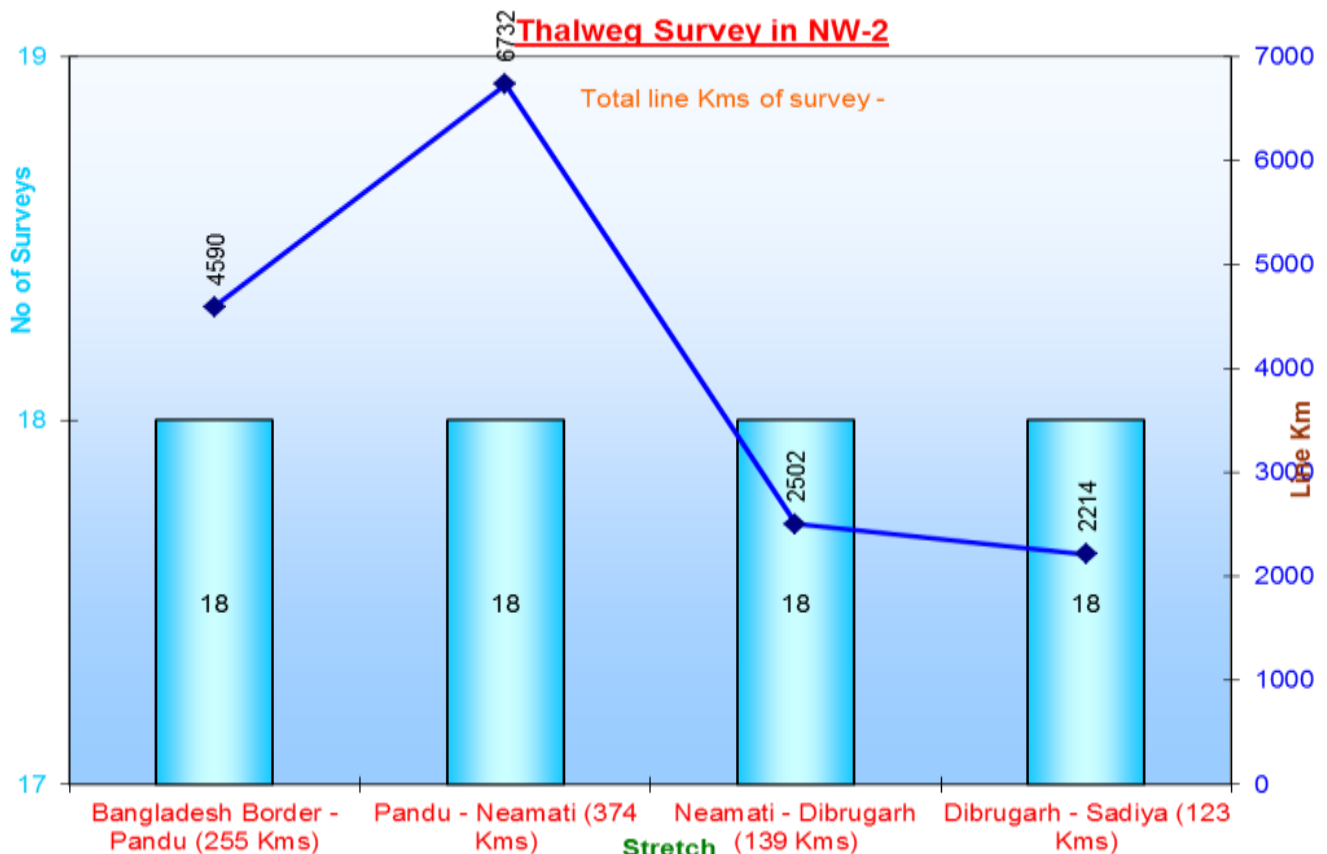
Indo-Bangladesh Protocol Route

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

National Waterway No. - 2

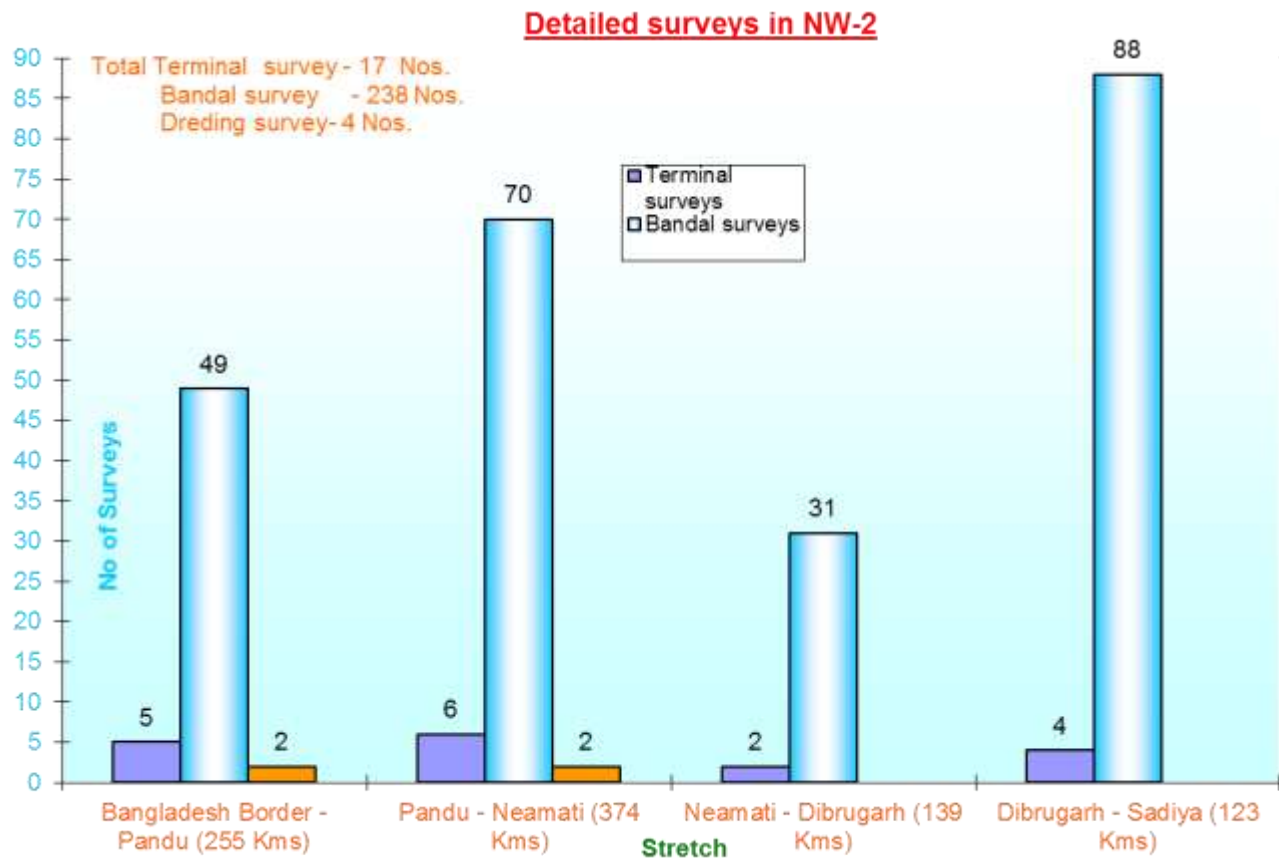
THALWEG SURVEYS

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi). Total 14,766 line Km of Thalweg surveys were undertaken during the year, the stretch-wise details are shown below :-



DETAILED SURVEYS

Pre & Post Bandalling and Dredging surveys were conducted departmentally at 242 shoal locations, details are given below :-



TERMINAL SURVEYS

Terminal Surveys were carried out at Dhubri (32), Jogighopa (108), Pandu (255), Tezpur (423), Silghat (441.0), Neamati (629), Sengajan (774), Army Ghat (Nagaghuli) (783.0) and, Oriyam Ghat (860).

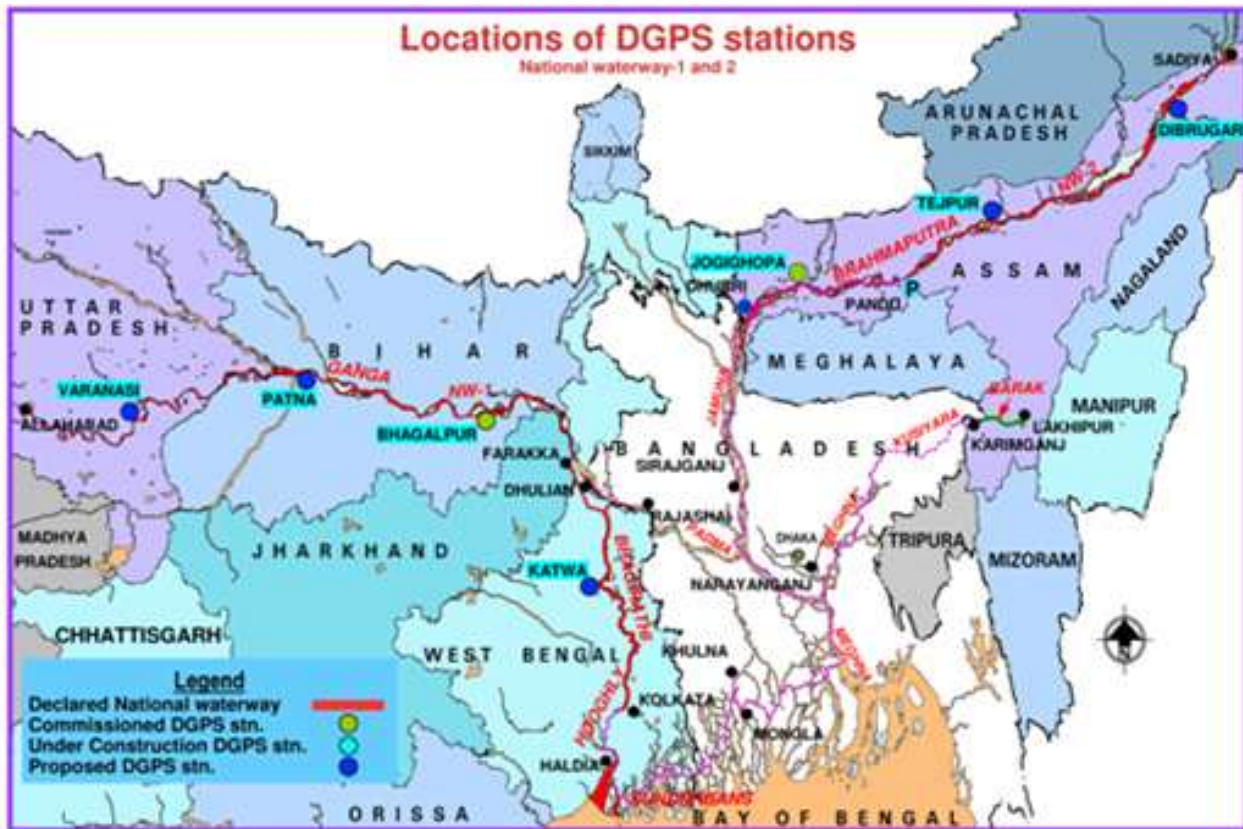
OTHER SURVEYS

Bank to Bank surveys conducted for the stretch between Bhuragaon(340 Kms) to Bekolichhapri (600Kms) for updating of navigational charts. Reconnaissance surveys was carried out in the River Lohit, Dibang, Siang to assess the navigability of rivers.

DGPS Based Navigation systems :

In order to make safe and efficient voyage of vessels plying in National Waterway-1 (the Ganga - Bhagirathi - Hooghly river system between Haldia and Allahabad) and National Waterway -2 (the Brahmaputra river between Sadiya and Dhubri), IWAI has sanctioned a scheme for setting up of

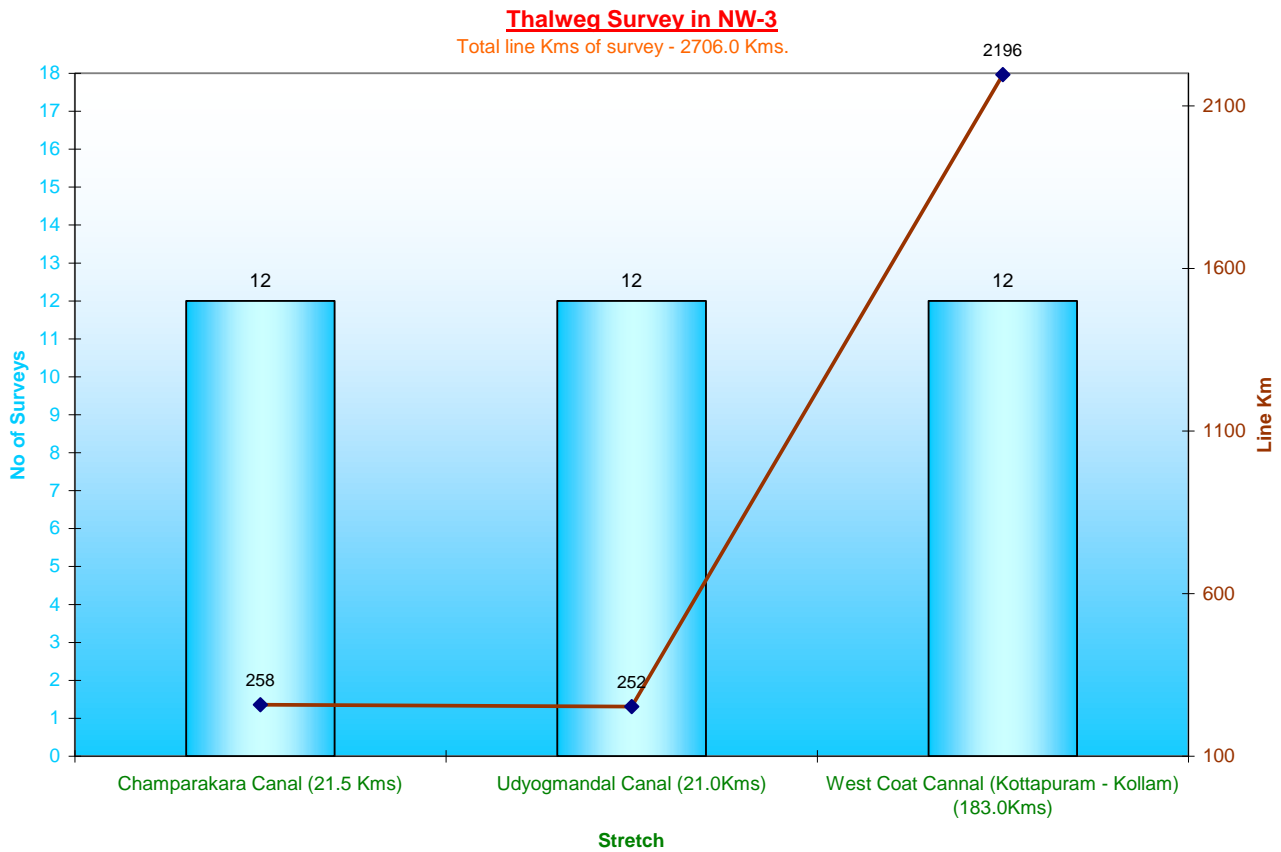
Differential Global Positioning System (DGPS) stations in NW-1 at a cost of Rs. 10 cr and that in NW-2 at a cost of Rs 6cr. As per this, DGPS stations are envisaged at Swaroopganj, Bhagalpur, Patna and Varanasi in NW-1 and Jogighopa, Slightat and Dibrugarh in NW-2. Two DGPS stations have since been commissioned and one is now operational at Bhagalpur with effect from August 2009 and other at Jogighoppa w.e.f March 2010. These stations are planned in such a manner so as to get a radial coverage of 150 Km with sub-meter accuracy in position. The stations at Patna has been installed and ready for commencement. Civil works are under progress for setting of stations at other station.



National Waterway No. - 3

THALWEG SURVEYS

Thalweg surveys conducted departmentally in Kottappuram – Kochi - Kollam stretch (West Coast Canal) along with Udyogamandal & Champakkara Canals on monthly basis and River Notices were issued (both in English & Hindi). Total 2706 line Km of Thalweg surveys were undertaken during the year, the stretch-wise details are shown below :-



DETAILED SURVEYS

Pre & Post dredging Surveys were carried out at Bolghatty, Pizhala, KMML-IRE area, Boat jetty Thirukunnappuzha, Pathiankara, Airemthengu, Pathiankara .

OTHER SURVEYS

Hydrographic Survey in Kadambrayar

IWAI has undertaken a detailed hydrographic survey in Kadambrayar between its confluence point with Champakkara Canal,NW-3 and Kadambrayar Eco Tourism Village (6.9 Kms) and also in the Veega land leading channel having a length 1.13 kms in March 2011. The cost of development of Kadambrayar for water tourism promotion purpose is estimated at Rs.28 Crore. Survey report has already been sent to Govt of Kerala for implementation of the project.



13. SURVEY VESSELS & EQUIPMENT

The following survey vessels are operational and deployed for survey work :-

National Waterway No.1

S.L.Koel
 S.L.Dwarkeswar
 S.L. Megna
 S.L. Anupallav
 S.L. Kamla
 S.L.Ghaghra
 S.L.Mandakini
 S.L.Gandak
 S.L. Punpun
 S.L. Kosi
 SL Rihand

National Waterway No.2

S.L Lohit
 S.L.Subansiri
 S.L. Dihang
 S.L Barak
 S.L.Buridihing
 S.L.Dibang

National Waterway No. 3

S.L. Pamba

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

14. CARTOGRAPHIC CELL

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

River Atlas for Sunderbans Waterways and River pilot for three National Waterways and Sunderbans are completed.

Sale of river charts.

A sum of Rs. 1,14,000/- has been realized so far through sale of 42 River Nav. Charts and 3 nos. River Atlases from IWAI, NOIDA to IWT operators/ users & Govt. Department.

XXX INCA International Congress at Dehradun



Use of digital mapping &GIS for navigation in National Waterways highlighted in the paper presented in the Seminar

IWAI become the corporate member of INCA during this year and participated in the XXX the INCA International Congress held at Dehradun during 10th -12th November, 2010. A stall was set up by IWAI in which various brochures , samples of River Navigational Charts, River Atlas etc. were displayed. Participants visited the stall shown keen interest in the field of IWT and also got awareness about various publications and facilities being provided by IWAI in National Waterways. Sh. G.Prasanth Sr.JHS,IWAI has presented a paper on “use of digital mapping & GIS for navigation in National Waterways. ”



Visitors in IWAI stall

15. National Inland Navigational Institute (NINI), Patna.

The management and administration of NINI, Patna has been taken over by M/s. ARI Pvt Ltd, B-1, Hauz Khas, New Delhi with effect from 24.4.2009. Major achievements during the year were as follows :-

- Organized and Conducted Seminar on “Development of Human Resource for IWT sector” in Kolkata on 6th April 2010. The recommendations of the seminar were placed before the authority and also hosted on the IWAI website. Subsequently a report on the current status of the training facilities in the Inland Water Transport sector was submitted by domain experts after doing preliminary survey.

- The inland Vessel Cadet Scheme for Deck and Engine for B.Sc. degree in Inland Water Transport was conceptualized, course scheme developed and syllabus drafted. All the documents were submitted to Indian Maritime University for Affiliation of the scheme.
- Training programme has been arranged at NINI in two phase namely Basic and Advanced course. The basis course have been conducted by Indian expert and the advance course have conducted by Training Institute in Dredging , The Netherland . Ex Naval personals have been training alongwith both IWAI officers, vessel screw & dredging staff.
- Course materials for various courses such as Basic Dredging Course, Advanced Dredging Course, and Hydrography course were developed and placed in NINI library.
- Training vessel Survekshak was repaired and refurbished for training purposes. The vessel was commissioned by the Chairperson IWAI and renamed as T.S. Survekshak. The vessel is being regularly used by students at NINI for training purposes.
- Training for 13th & 14th batch of Induction course for GP ratings was successfully completed. The training in Elementary First Aid, Fire Prevention and Fire Fighting, Personal Survival Technique and Personal Safety and Social Responsibility was also delivered to the students of 13th & 14th Batch.
- The course for Serang and 2nd class drivers was developed for IWAI staff and the course was successfully completed.
- Training in cargo handling operations was organised by ARI at Delhi for IWAI staff.
- Training in use of Differential Geographical Position System in navigation was organised for IWAI staff and other vessel operators at NINI.
- The installation and commissioning of Phase I of Marine Simulation Centre was completed. ECDIS and BTM courses are being conducted. The IInd phase of MSC NINI was also completed.
- Approval process with DG Shipping for conduction of basic safety courses and simulator courses has been initiated.
- Quality renewal audit and change of scope audit to include DG Shipping approved courses was

organised in liaison with ABS surveyor.

- Organised participation of NINI trainees in the Seminar at Kolkatta and boat show for spreading awareness about cleaning and pollution prevention of Ganga along with awareness about Inland Water transport.
- Fire mock up for conducting training in fire fighting and fire prevention was constructed at NINI.



Inauguration of Training Vessel Surveskshak by Hon'ble Chairperson.

- A separate scheme has been sanctioned for on board training under Apprenticeship 1957 Act and trainees were deployed on IWAI vessels.
- Database created for all NINI pass out candidates and 100% placement has been achieved for the trainees passed out in the 12th Batch induction rating course.
- Ex Chief Surveyor of Maharashtra Maritime Board, Mr Krishna Kumar Pitale Visited the NNINI premises on 21th Nov. 2010.
- All Merchant navy personal from Patna visited NINI for Blood donation on the occasion of celebration of Maritime week.



Advance dredging training course by Representative of TID, The Netherlands



Fire fighting course

The following courses & In-house training programme were conducted at NINI during the period from April 2010 to March 2011 :-

S.N.	COURSE	FROM	TO	VENUE	NO OF PERSONS TRAINED
1	Induction course for Ratings Deck/Engine 13 th Batch	02/02/10	31/07/10	NINI, Patna	50 Civilians
2	Induction course for Ratings Deck/Engine 14 th Batch	16/08/10	03/02/11	NINI, Patna	54 Civilians
3	Serang Preparatory Course	16/08/10	25/09/10	NINI, Patna	12 IWAI Staff
4	2 nd Class Engine Driver Preparatory Course	16/08/10	25/09/10	NINI, Patna	14 IWAI Staff
5	River Engineering & Training” at IIT Roorkee	20/9/2010	25/9/10	IIT, Roorkee	10 Engineering Wing officers
6	Basic Dredger Course	01/10/10	06/10/10	NINI, Patna	44 IWAI staff and ex Indian navy
7	Adv. Dredger Course	07/10/10	12/10/10	NINI, Patna	47 IWAI staff and ex Indian navy
8	Hy. pack course for IWAI Surveyors	20/12/10	21/12/10	NINI, Patna	15 IWAI Surveyors
9	ECDIS course	01/12/10	03/12/10	MSC NINI, Patna	3 Mariners
		31/01/11	02/02/11		1 Mariner
		19/02/11	24/02/11		3 Mariners
		28/03/11	30/03/11		2 Mariners
10	BTM Course	27/12/10	31/12/10	MSC NINI, Patna	1 Mariner
		14/02/11	18/02/11		3 Mariners
		24/02/11	01/03/11		1 Mariner
		25/03/11	28/03/11		1 Mariner
11	Induction course for Ratings Deck/Engine 15 th Batch	14/02/11	In Progress	NINI, Patna	48 Civilian

16. Indo-Myanmar Kaladan Multimodal Transit Transport Project :-

IWAI is the Project Development Consultant (PDC) appointed by Ministry of External Affairs (MEA), Govt. of India for implementation of Kaladan Multimodal Transit Transport Project in Myanmar vide agreement dated 19th March 2009.

During the year 2010-11, the bid process for selection of Indian Contractor for construction of the Port & IWT components of the project was completed. As per recommendations of IWAI, MEA appointed M/s ESSAR Projects (India) Ltd, Mumbai as main Contractor for the Port & IWT works. The Contract agreement in this regard valued at Rs. 342 crores was signed on 14.5.2010. The project has an implementation period of 36 months. Scheduled completion date is June 2013.

IWAI has also appointed M/s Scott Wilson India Pvt. Ltd, New Delhi in December 2010 as Supervision Consultant to assist IWAI in the supervision of works. M/s STUP Consultants was nominated as Proof Consultant to check the designs & drawings.

The construction activities were formally inaugurated on 19.12.2010 at Sittwe, Myanmar. Hon'ble Minister for Transport, Govt. of Myanmar and the Regional Commander for the Rakhine province attended the function apart from senior officers from Govt. of Myanmar. From Indian side, the function was attended by His Excellency, the Ambassador of India to Myanmar Mr. V. Shesadri, Chairperson, IWAI and Senior officers from MEA, Embassy of India-Yangon, IWAI, the main Contractor and the Supervision Consultant.

The Contractor has mobilised necessary men, materials and equipments for implementation of the project. During the report period, construction of rubble mounted dyke and reclamation of back up land for the facilities to be constructed at Sittwe started. Preparation of detailed Design and drawing for Port & IWT terminal at Sittwe and preparation of preliminary design of cargo barges for the project made substantial progress. Consequent to relocation of IWT terminal to Paletwa, **[As per original DPR prepared by RITES, the IWT transshipment terminal was to be set up at Kaletwa]**, necessary action for identification of suitable location for the terminal was taken by IWAI. Request has been made to Government of Myanmar for making available the requisite land.

During the year, PDC functions registered satisfactory progress. IWAI maintained regular and adequate coordination among all stake holders like MEA, Indian Embassy, Ministry for DoNER, Govt. of Myanmar, Contractors and Consultants for smooth implementation of the project. A separate head of accounts is being maintained in IWAI for the PDC activities and expenditures in that regard are being met out of the PDC fee being received by IWAI from MEA.



Dignitaries from India & Myanmar at the Foundation stone laying ceremony at Sittwe- 19.12.2010



Construction of Dyke & reclamation work in progress at Sittwe

17. Cargo movement during 2010-11 :-

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

At present sufficient inland vessels are not available to ply even in the developed stretches of the waterway. Only 77 cargo vessels (28 CIWTC vessels & 49 private vessels) are available in NW-1 and almost all are deployed in lighterage operations between Haldia & Kolkata. IWAI has only 6 cargo vessels of which 3 each deployed in NW-1 and NW-2. IWT Directorate, Govt. of Assam, Assam is operating only 12 vessels in NW-2. There is acute shortage of cargo vessels.

However, cargo is moved by IWT mode by IWAI's cargo vessels, Bangladeshi vessels, country crafts and small mechanized crafts (less than 100 ton capacity). Details of cargo moved on National Waterways No.1, 2 & 3, Goa and Mumbai Waterways for the years 2006-07, 2007-08, 2008-09, 2009-10 and 2010-11 are indicated in million ton (MT), ton kms (TKM) and billion ton km (BTKM) in the annexure.

The cargo movement on National Waterways No.1, 2 and 3 during the year 2010-11 was 4.92 million ton (1299 million tons km) against 4.59 million ton (1117 million tons km) during the year 2009-10. The cargo movement on Goa Inland Waterways during the year 2010-11 was 54.5 million tons (2725 million tons km) against 53.03 million tons (2651 million tons km) during 2009-10. Cargo movement in Mumbai Waterways (Dharmatar creek) during the year 2010-11 was 14.88 million tons (803 million tons km) against 11.99 million tons (647 million tons km) during 2009-10.

Operations of IWAI cargo vessels continued during the year between Haldia-Patna-Haldia and Pandu-Haldia to demonstrate the navigability of the National Waterways. Authority deployed its own vessels MV Rajgopalachari, MV Lal Bahadur Shastri, MV Homibhabha, MV Vishweshariyya, MV Rabindranath Tagore, MV Zakir Hussain and transported 27096 MT cargo. During the year 14.93 lakh MT fly ash, slag and coal was exported from India to Bangladesh by IWT mode. Cranes and other mechanical handling equipment were deployed for cargo handling at Patna, Haldia, Kolkata and Pandu Jetties.

Over Dimensional Cargo (ODC) movement has increased on National Waterways. These are mainly pertaining to power projects coming up in the vicinity of NW-1 and NW-2. Sixteen Consignments of over dimensional heavy lift project cargo of 7520 MT from Kolkata to Zamania, Ballia, Fatua on National Waterway -1, one consignment of 679 MT from Kolkata to Tezpur on National Waterway -2

and four consignments of 1888 MT from Kolkata to Ashuganj on Indo-Bangladesh Protocol Route have been moved. Revenue of Rs. 148.03 Lakh has been collected from the ODC operators against consolidated fee for movement of ODC through National Waterways and Indo-Bangladesh Protocol route.

IWAI has initiated development of river cruises in the Ganges and facilitated the Inland Water Cruise Vessel MV Bengal Pandaw of M/s Pandaw Cruises India Pvt. Ltd., New Delhi and MV Sukapa of M/s. Assam Bengal Navigation Company Pvt. Ltd., on NW-1 during the year 2010-11. The cruise vessels have completed 18 trips between Kolkata - Semaria/Rajmahal/Patna/Buxar-Kolkata during the year.

Terminals at Willingdon and Bolgatty Islands have been constructed with RO-RO (Roll On – Roll Off) and LO-LO (Lift On – Lift Off) facilities especially for transportation of containers between International Container Transshipment Terminal (ICTT) at Vallarpadam in Cochin Port Area and Willingdon Island. The operation of RO-RO by private sector operator has commenced w.e.f. 23.02.2011. During the year (March 2011) total 1886 TEUs have been transported in NW-3.

18. FINANCIAL PERFORMANCE

A. INCOME & EXPENDITURE

During the financial year 2010-11 a sum of Rs.16586.00 lakhs was received from the Government of India, Ministry of Shipping and a sum of Rs .376.35 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 2009-10	Current Year 2010-11
1.	Technical Studies	100.00	50.00
2.	Loan Interest Subsidy / IVBBS	-	68.46
3.	<u>National Waterway No.1</u>		
	a. River Conservancy Works	1829.38	2395.00
	b. Construction of Cargo berth	323.44	1377.55
	c. Construction Dredgers & allied vessels	1178.88	761.45
	d. Procurement of Cargo Vessel	161.97	-35.03
	e. Procurement of steel Pontoon	57.83	125.65
	f. Construction of office Building	-	341.97
	g. Procurement of Survey Equipment	2.66	16.66
	h. Installation Night Navigation	23.11	-
	i. Installation of DGPS Station	21.13	395.60
	j. procurement of multi purpose Tug	421.19	-419.89
4.	<u>National Waterway No. 2</u>		
	a. River Conservancy Works	1004.32	1467.28
	b. Construction of Terminal	1471.84	941.70
	c. Construction of Hy Surface dredger & Dry Dock	92.29	(-) 281.99
	d. Construction of Dredgers & allied vessels	2102.21	830.42
	e. Procurement of DGPS	-	237.77
	f. Construction of steel Pontoon	119.07	203.82
	g. Acquisition of multi purpose Tug	421.20	56.90
	h. Acquisition of cargo vesel	-24.89	20.08
	i. Construction of office Building	-	150.00
	j. Construction of NINI hostel	-	125.00

	Name of the scheme	Expenditure	
		Previous Year 2009-10	Current Year 2010-11
5.	<u>National Waterway No. 3</u>		
	a. Development works	854.68	903.17
	b. Construction of Terminals	1473.88	1089.08
	c. Procurement of Survey Equipments	-	6.95
	d. Procurement of Dredging unit	342.86	396.92
6.	Loss on fixed assets	-	0.11
7.	Training of IWT Personnel including NINI	199.84	-
8.	I.T. activities expenses	-	70.31
9.	IWT Development Fund	310.91	168.06
10.	Establishment (including I. Tax)	1640.26	2239.72
	TOTAL	14128.06	13,702.72

B. SOURCE AND APPLICATION OF FUNDS

(Rs.in lakhs)

	Name of the scheme	Expenditure	
		Previous year 2009-10	Current year 2010-11
	<u>SOURCE</u>		
1.	Increase in Capital grant	6925.00	6651.06
2.	Decrease in working capital	651.00	-
3.	Excess of income over expenditure for the year	659.00	-
4.	Decrease in capital working progress		1582.20
	TOTAL	8235.00	8233.26
	<u>APPLICATION</u>		
1.	Increase in fixed assets	2096.00	7126.75
2.	Increase in capital work in progress	6139.00	-
3.	Increase in working capital	-	1106.51
	TOTAL	8235.00	8233.26

C. CASH FLOW STATEMENT

(Rs. in Lakhs)

	F.Y. 2009-10	F.Y. 2010-11
CASH FLOW FROM OPERATING ACTIVITY		
Excess of expenditure over income	-5754.4	-6490.36
Depreciation	1377.45	1796.32
Replacement Reserve	-1377.45	-1796.32
Interest Paid		-
Less: Interest income	-50.41	-171.69
Add: Writeoff/Loss on sale of Fixed assets	13.85	0.11
Provision for Obselence of stock		-
Provision for employee benefits charged to opening reserves		-
Operating Profit		-
Adjustment for working capital changes		
Decrease/Increase in stocks	-25.42	-27.61
Decrease/Increase in loans & advances	1393.04	-802.01
Increase/decrease in Deposits on a/c of others	-4.81	225.00
Increase /Decrease in Current liabilities	-545.16	2356.52
Decrease/Increase in other liabilities and provisions	338.7	-1038.48
Cash generated from operations	-4634.61	-5948.52
Income Tax (Net)	-2.62	-
Net Cash From Operating activities	-4637.23	-5948.52
CASH FLOW FROM INVESTING ACTIVITY		
Purchase of Fixed Assets and Decrease in CWIP	-9601.19	-5481.76
Govt. Grant Received	14691.99	14347.43
Interest income	50.41	171.69
CASH FLOW FROM INVESTING ACTIVITY (b)	5141.21	9037.36
CASH FLOW FROM FINANCING ACTIVITY		-
Increase/Decrease in bank overdraft		-
Dividend & Corporate Dividend Tax		-
Net cash from Financing activities		-
Total Increase / Decrease in cash and cash equivalents during the year	503.98	3088.84
Cash & cash equivalents at the beginning of the year	1472.02	1975.99
Cash & cash equivalents at the end of the year	1976.00	5064.83

19. Personnel and Administration

As on 31-03-2011, 33 Officers & 66 staff at the head office and 50 Officers & 175 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 implement official language policy of the union in all its activities in a progressive manner. Hindi workshops and other related activities were periodically organized at the head office and regional offices. Hindi week was organized at the Head Office and Regional Offices. On this occasion different types of Hindi competitions were organized in all the offices.

The Authority has been entrusted with the additional responsibility of implementing the official language policy of the Union in all the member offices of the Town Official Language Implementation Committee (T.O.L.I.C.), Noida by the Department of Official Language of the Ministry of Home Affairs. The Chairman of the Authority is the Chairman of T.O.L.I.C., Noida. A half-yearly meeting was organized regularly to discuss problems and difficulties being faced by the different member offices of the T.O.L.I.C., Noida. In order to encourage personnel of the member offices to work more and more in Official Language Hindi different types of Hindi Competitions, Workshops and other related activities were organized from time to time under the auspices of T.O.L.I.C., Noida. Also, the children of the personnel of member offices who secure outstanding marks in 10th and 12th examinations are awarded each year with 'Hindi Pratibha Award'.

ACKNOWLEDGEMENT

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

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

**FOR AND ON BEHALF OF
INLAND WATERWAYS AUTHORITY OF INDIA**

Sd/-
(BHUPINDER PRASAD)
CHAIRPERSON

Place : NOIDA
Date : 02.11.2011

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

(S. JAYARAMAN)
Chief Accounts Officer

(Deepak Das)
Member Finance

(BHUPINDER PRASAD)
Chairperson

OTHER SCHEDULES
&
AUDIT REPORT

NOTES FORMING PART OF ACCOUNTS AS ON 31.3.2011

- 1) **Capital work in progress amounting to Rs. 12,137.08 lakhs (previous year Rs. 13725.17 lakhs) consists of following:**

	Name of Party	Purpose	Amount (Rs. in lakhs)
a)	Neptune Marine (P) Ltd.	Construction of Work boats	107.95
b)	HDPE	Construction of cargo vessels	399.55
c)	CPWD	Construction of high level jetty Pandu	2557.69
d)	HDPE	Construction of Hy. Surface dredger	567.77
e)	CPWD	Construction of terminals in NW-3	468.43
f)	CPWD	Construction of high level jetty at Gaighat	1933.51
g)	NSDRC	Design and modification of Hy. Surface dredger	5.40
h)	M/s. Star tech. (P) Ltd.	Construction of dredgers and Work Boats	309.40
i)	M/s Tebma Shipyards Ltd.	Construction of dredgers	1292.93
j)	HDPE	Construction of Work Boat	1951.00
k)	CPWD-Allahabad	Construction of Allahabad terminal	46.00
l)	NF-Railway	Construction BG siding at Pandu	552.45
m)	Elcome Marine Service (P) Ltd.,	Supply of DGPS	438.18
n)	CPWD	Construction of GR Jetty	706.50
o)	A.C. .Roy & Co.	Construction of Multi purpose tug	419.88
p)	PWD	Construction of Jogighopa terminal	95.04
q)	Styanaryan Lo hoty	Construction of Neamati jetty	75.44
r)	CPWD	Construction of Bhagalpur terminal wall	13.21
s)	M/s A.C.Roy & Co.	Construction of Dumb Anchor Pontoons	182.10
t)	M/s Mojmul Islam	Construction of Jogighopa Terminal	14.65
		Total	12,137.08

- 2) **During the year 2010-11, the Authority has incurred the following expenditure in respect of chairperson and full time Members :**

Salary	House Rent	Leave Salary & pension contribution	Medical reimbursement	<u>Travelling Expenses</u>		Total
				Foreign	Inland	
4918150	392116	1255655	51454	460213	2749367	9826955
Previous Year-						
5519529	782779	1205768	105455	1296781	116013	9026325

During the year Chairperson IWAI visited Dhaka (Bangladesh) for attending MEA sponsored meeting from 5th - 9th April 2010. (ii) as leader of Indian Delegation to attend the rivers of the word Forum in Rotterdam Netherland from 8th -10th December 2010.

- 3) Land costing Rs. 244.49 lakhs (previous year Rs. 244.49 lakhs) was acquired for construction of R & D –cum-Office complex at Noida and Rs. 21.34 lakhs (previous year Rs. 21.34 lakhs) was acquired for terminal at Kolkatta on lease hold basis for 90 years and 15 years respectively Rs. 4.14 lakhs (previous year Rs. 4.14 lakhs) is being written off every year.
- 4) (i) ITAT has given decision for the assessment years 1988-89 to 1997-98 (excluding Assessment year 1990-91) ruling that the grant of the authority is a capital grant hence not taxable. While giving effect to ITAT order, ACIT, Noida has issued fresh assessment order in which the misc. receipt of authority has been treated as income. Against the said order, authority has filled appeal with CIT (Appeals) Ghaziabad, and the same has been dismissed. Authority has filled further appeal with ITAT, New Delhi against the order of CIT. ITAT, New Delhi has passed orders to CIT (Appeals) to hear the case and review decision. CIT (Appeals) again dismissed the appeals and Authority has filled Appeals with ITAT, New Delhi against the orders of CIT (Appeals). ITAT has passed the order with the direction to AO, to restore this issue and give the opportunity to the assessee and then to pass an order in accordance with the law. ACIT, Noida has passed the order, keeping earlier order valid. Authority has filed an appeal with CIT(Appeals) against the order of ACIT, Noida. However, appeal for A.Y 1990-91 is still pending with CIT (Appeals).
- (ii) ACIT Noida has also imposed penalty in response to fresh assessment orders and raised demand. An appeal against the said penalty order was also filled with CIT (Appeals), Ghaziabad, and same was dismissed. Authority has filled appeals with ITAT, New Delhi against the order of CIT (Appeals) and same was disposed by ITAT as allowed for statistical purposes. ACIT Noida has been asked to refund the penalty amount of Rs.11.19 crores for the Assessment Year 1988-89, 89-90,91-92 to 1996-97 as per ITAT, New Delhi order. ACIT Noida has issued the order with the contention that no fresh adjudication of penalty U/s 271(1) © in view of ITAT direction is required. Against the order of ACIT, Noida, Authority has filled a application with ACIT, Noida under section 154 to

review the matter as per direction of ITAT, New Delhi.

- (iii) The Income Tax department has also filed an appeal in High Court of Allahabad against the order of ITAT, New Delhi for the assessment years 1988-89 to 1997-98.
- (iv) The Authority has been registered under section 12 A w.e.f. 1.4.1998 with Income Tax department. The Authority got the exemption u/s 10(23C)(iv) from CBDT/CCIT-Ghaziabad from Assessment Year 1998-99 to 2010-11. For renewal of exemption u/s 10 (23C) (iv) from the Assessment year 2011-12 onwards, Authority has received confirmation from the Income Tax Department vide letter dt. 27.05.2011.
- 5) A sum of Rs. 2863.76 lakhs including interest of Rs. 61.00 lakhs towards cost of land for terminals and widening of canal was made as advance payment to Govt. of Kerala. Out of this, an amount of Rs. 991.09 lakhs as terminal land and Rs. 1075.34 lakhs as land for widening of canal has been capitalized.
- 6) A sum of Rs. 1915.73 lakhs (previous year Rs.1,615.73 lakhs) towards cost of construction of 11 terminals in NW-3 has been paid to CPWD. Out of this, Rs. 1191.60 lakhs (previous year Rs. 902.92 lakhs) has been capitalised .
- 7) A sum of Rs. 1660.00 lakhs (previous year Rs. 1470.00 lakhs) paid as deposit to Cochin port trust for construction of jetty at Bolghatty and Willingdon island. An amount of Rs 1570.00 lakhs has been capitalized during the year.
- 8) A sum of Rs. 2,773 lakhs (previous year Rs. 1373 lakhs) has been released as deposit to Executive Engineer, Patna Central Division-II, CPWD in connection with construction of high level general cargo berth at Gaighat, Patna. Out of this, a sum of Rs. 1,933.51 lakhs (previous year Rs. 875.16 lakhs) has been charged to Capital works in Progress.
- 9) A sum of Rs. 3332.00 lakhs (previous year Rs. 2866.00 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. 2557.69 lakhs (previous year Rs. 1817.74 lakhs) has been charged to capital works in progress.
- 10) A sum of Rs. 1254 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 out of above Rs. 552.45 lakhs (previous year Rs.389.37 lakhs) has been shown as capital work progress.
- 11) 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.
- 12) 53 nos. flats at Sector-34, Noida were taken over on 15.12.2002 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.

- 13) Two vessels namely MOT TUG III and Flat Turni have been declared condemned by the Authority. Their scrap value has been assessed as Rs. 18.75 lakhs and Rs. 7.05 lakhs respectively. For disposal of both the vessels open tender had been called. Due to some reasons, the work was not awarded to the highest bidder. Highest bidder has filed a case in lower court against the decision of the Authority. The decision of court is awaited. MOT Tug-III has been received from CIWTC with out cost. Hence token value of Rs. 1.00 has been taken in accounts.
- 14) A Claim was lodged with M/s Oriental Insurance Co. for Rs. 34.17 lakhs towards loss of Buoys and Lights including penal interest since 2004. Insurance Company has agreed for Rs. 23.93 lakhs only. Decision of Oriental Insurance Company is not acceptable to Authority and Authority has again asked the insurance company to settle the claim immediately.
- 15) 47 nos. of Buoys with chair, anchor and accessories and 7 day marks have been lost at Kolkatta region during 2002-2003. Authority has lodged the insurance claim of Rs. 28.91 lakhs. Settlement reply from insurance company is awaited.
- 16) 64 Nos of Buoys has been lost at kolkata region (45 no during 2006-07 and 19 no during 2009-10). Authority has lodged the insurance claim of Rs 37.09 lakhs with oriental insurance co. Ltd. During the year a loss of Rs 13.33 lakhs has been shown in income & expenditure accounts.
- 17) During March 2005, the Authority has signed agreement with M/s HDPEL, Kolkatta for construction and delivery of Floating Dry Dock at a cost of Rs. 873 lakhs excluding taxes and cost of spare parts. The Authority has cancelled the contract and the amount released to HDPEL, Kolkatta Rs. 261.90 lakhs against the contract has been shown as advance to contractor. For reviewing the project, a committee was formed and committee recommended that the work may be given to M/s HDPEL again. After this, the cost of project has been increased by HDPEL due to increase in steel price etc. The proposal was placed before the Authority and as discussed thereon, the rate quoted by HDPEL is to be properly justified. In the mean time, Authority is also trying to adjust the amount already paid without affecting overall progress of works assigned to the company.
- 18) A work was awarded to M/s Neptune Marine Pvt Ltd. in 2003 for construction of Three number of work boats at the cost of Rs.359.85 Lakhs. As per contract Rs.161.93 Lakh has been released. Due to non compliance of Contract terms and condition, the contract was terminated on 29.7.2009 and arbitrator has been appointed. One no. of work boat is in possession of Authority from 11.12.2008. The Work Boat is not as per requirement of IRS and IWT, Dte. Govt. of West Bengal during test and trial. Hence can not be registered. Same is not capitalized.
- 19) Authority has appointed M/s IL&FS Infrastructure Development corporation Ltd. as Project Development

Organisation for identification and development of IWT projects on PPP mode. Authority has contributed Rs. 50,00,000/- towards its 50% share in the initial corpus of the Project

Development Fund for undertaking development of Projects. The contributed amount has been shown as investment.

- 20) Ministry of External Affairs (MEA), Govt. of India has appointed IWAI as Project Development consultant for implementation of multi modal transit transport facility on Kaladan river connecting the Sittwe port in Myanmar with the State of Mizoram in India. Agreement of the above assignment has been entered on 19.03.2009 between Authority and MEA. Authority has received consultancy fee of Rs. 590.00 lakhs (Previous year Rs. 588.99 lakhs) during financial year 2010-11. During the year an amount of Rs. 254.55 lakhs (previous year Rs. 119.31 lakhs) has been incurred on the project by the Authority and the same is charged to expenditure .
- 21) Authority has taken three number of policies from LIC for pension, gratuity and leave encashment for IWAI employees. LIC has provided actuarial valuation for all three policies. As per actuarial valuation as on 31.03.2011, the fund for pension Rs. 3634 lakhs, gratuity Rs 592.31 lakhs and for leave encashment Rs. 453.28 lakhs is required. During the year 2010-11 provision of Rs 46.23 lakhs for leave encashment and Rs. 695.18 lakhs for pension & gratuity has been provided after considering the available fund.
- 22) Authority has established separate trust in the name of "IWAI – General Provident Fund" with effect from 24.05.2002 and "IWAI - employees Pension fund" with effect from 25.03.2003 for administering and managing the general provident fund and pension/Gratuity fund in respect of employees of Authority respectively. IWAI -employee pension fund is managed by LIC of India. Fund of Rs.3531.12 Lakh for pension, Gratuity and Rs.407.06 Lakh for leave encashment is available as on 31.03.2011 as against the actuarial valuation of liability to the tune of Rs. 4679.59 lakhs.
- 23) Authority has entered into share holders agreement in three JV projects with three companies namely (i) M/s Royal Logistics (ship) Ltd., Kolkatta (ii) M/s SKS Waterways Ltd., Kolkatta and (iii) M/s Vivada Logistics Pvt. Ltd. Kolkatta. As per Share holders agreement with M/s Royal Logistics (ship) Ltd, Kolkatta and M/s SKS Waterways Ltd, Kolkatta the initial authorized share capital of each company is Rs. 5.00 lakhs and same is required to be contributed in the ratio of 70% by J.V partner and 30% by IWAI. Accordingly, Authority has contributed its share of Rs. 1.50 lakhs each as initial authorized share capital in M/s Royal Logistics (ship) Ltd., Kolkatta and M/s SKS Waterways Ltd. Kolkatta.
- 24) A sum of Rs. 42.20 lakhs has been extracted by initiating RR proceedings by Kochi Corporation with the help of attachment by Revenue Tahsildar Ernakulam from official Current Account of IWAI-Kochi towards enhanced amount of rent arrears of office building occupied by IWAI Kochi at 2347-N, Paramara Shopping complex, Paramara Road, Kochi-18 for the period 1st January 1999 to 31st August 2006. Authority has filled a appeal in High Court Kerala against decision of Corporation of Kochi.
- 25) There are 3 Arbitration cases pending before the Arbitrators, two cases relate to capital dredging works in NW-3 having a contingent liability of Rs. 2047 lakhs and one case relates to construction of vessels involving Rs. 1600 lakhs damages approximately. Further there are 4 cases in Hon'ble High Court of

Kerala, 2 cases in lower courts Noida and Balasore and 14 service related cases pending in High Courts of Delhi, Allahabad, Guwahati and Patna and 2 cases of interest subsidy are pending in Delhi and indore High Courts. Apart from the above, there are 100 LAR cases and 58 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. 1000 lakhs.

- 26) A work was awarded to M/s Aquamee Ltd., Finland for supply of one no. Amphibian Dredger for NW-3 at the cost of Euro 6,14,232 against letter of credit (L.C). LC has been issued by Syndicate Bank, Sector-18, Noida (U.P.) on 31.03.2011.
- 27) Bank guarantees valued at Rs. 1204.80 lakhs (previous year Rs. 1589.03 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, 2011.
- 28) In Companies Act schedule XIV, depreciation rate for some of the fixed assets used for inland waterways has not been provided. Hence, Authority is charging depreciation on Barges @ 3.34%, Terminals @ 4.75% ,night navigation equipment @ 4.75%, crane @ 3.34%, and dredgers @ 7%.
- 29) Re-grouping and re-classification has been done where considered necessary.
- 30) All the figures are rounded off to the nearest rupee and figures in () indicate negative figures.

For and on behalf of the Authority

(S. Jayaraman)
Chief Accounts Officer

(Deepak Das)
Member (Finance)

(Bhupinder Prasad)
Chairperson

Management reply on comments contained in C&AG Audit report on the Annual accounts for the year ended 31st March, 2011.

A. Audit report

(iii) Accounting policies (no. 4):- Stores, Spares and Tools.

As per accounting policy of authority, Stores, Spares and Tools are valued cost. The revision of accounting policy “to value inventories on the basis of cost or net realizable value which ever is less” will be placed before the Authority for consideration along with Accounts for 2011-12.

B. Annexure – I

1. Internal Audit System

Authority has engaged Chartered Accountant firm for internal audit of the Authority. Internal auditor has to submit the audit report every quarter and compliance of audit observation will be monitored more effectively.

2. Internal Control System

- (a) Confirmation of outstanding balances under sundry debtors, deposits, loans and advances and sundry creditors will be ensured in FY 2011-12.
- (b) As per DFPR 15, the fixed assets of the Government & its subordinate Authority shall not be insured except with the previous consent of the Finance Ministry. Accordingly, Authority is insuring vehicles, lighted Buoys/ sophisticated equipments etc. which are absolutely necessary.
- (c) Advances received/ paid lying outstanding are reviewed at the end of each financial year. In the current year, same will be reviewed again.

3. System of physical verification of fixed assets

Updation of fixed assets register and physical verification of fixed assets will be ensured as on 31.3.2012.

4. System of physical verification of inventory

Only Factual information – and need no comments.

5. Regularity in payment of statutory dues

Regional offices have been instructed to ensure timely remittance of Service Tax which was introduced for Shipping Sector only from April 2009.

INLAND WATERWAYS AUTHORITY OF INDIA

BALANCE SHEET AS ON 31ST MARCH 2011

PREVIOUS YEAR (RUPEES)	CAPITAL & LIABILITIES	SCHEDULE NO.	CURRENT YEAR (RUPEES)		PREVIOUS YEAR (RUPEES)	PROPERTY & ASSETS	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
1	2	3	4	5	6	7	8	9	10
	CAPITAL					FIXED ASSETS	II		
94,37,244	Capital u/s 11(i)(c)		94,37,244		3,13,42,74,638	Gross Block		3,84,69,49,729	
5,34,10,00,421	Capital Grant u/s 18		6,00,61,06,920		(75,41,64,610)	Less Depreciation		93,43,55,190	
(75,07,01,466)	Less replacement reserve		(93,08,92,046)			Net Block		-	2,91,25,94,539
(63,25,144)	Lease rent written off		(67,39,050)	5,07,79,13,068					
	RESERVES & SURPLUS								
34,63,144	Capital Reserves		34,63,144		2,65,82,684	Lease land		2,65,82,684	
(34,63,144)	Deduction		(34,63,144)		(63,25,144)	Less written off		(67,39,050)	1,98,43,634
	General Reserves				1,37,25,16,935	Capital work-in-progress			1,21,42,96,627
	Deduction				53,00,000				
						INVESTMENTS (AT COST)			
						Govt. Securities		-	
						other than Govt. Securities		53,00,000	53,00,000
						CURRENT ASSETS, LOANS & ADVANCES	III		
	BORROWINGS					Stores, Spares & Tools			
						(At Cost)		4,85,30,273	
	CURRENT LIABILITIES & PROVISIONS.					Sundry Debtors		-	
						Deposits, Loans &			
16,66,47,643	Current Liabilities	I	42,13,78,779		90,04,31,578	Advances		97,28,95,842	
18,01,30,859	Provisions		7,62,82,879		19,75,99,670	Cash & Bank Balances		50,64,84,058	1,52,79,10,173
	Deposits held on								
8,18,60,655	account of others		10,43,70,247	60,20,31,905	10,00,65,379	MISC. EXPENDITURE			
						Income & Expenditure Account			
						(Debit Balance)			-
5,02,20,50,212	TOTAL			5,67,99,44,973	5,02,20,50,212	TOTAL			5,67,99,44,973

Schedule I to VII form an integral part of accounts.

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

INCOME & EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2011

PREVIOUS YEAR (RUPEES)	EXPENDITURE	SCHEDULE NO.	CURRENT YEAR (RUPEES)		PREVIOUS YEAR (RUPEES)	INCOME	SCHEDULE NO.	CURRENT YEAR (RUPEES)	
1	2	3	4	5	6	7	8	9	10
	OPERATIONAL & MAINTENANCE EXPENSES	IV							
12,58,86,351	Pay & Allowances & other staff costs		13,96,18,613		57,57,01,225	Revenue Grant from Govt			65,04,93,933
					50,40,976	Interest/ Income			1,71,69,695
						14,000	Consultancy fees		
							Storage & Handling Charges		3,84,167
							Wharfage		16,277
							Demurrage		
5,04,62,295	Surveying		2,32,57,154		57,500	Pilotage Charges			36,669
					9,31,700	Berthing Charge			10,13,945
3,06,58,100	Dredging		11,91,91,388		21,52,490	Others			46,91,829
3,16,98,369	Bandalling		4,54,17,839		1,06,33,619	Misc. Receipts			1,89,27,405
	Aids to Navigation & Channel Marking					-	Rent terminal		
1,26,47,918	Barging		1,05,42,131				Capital reserve as per Contra		
	Terminal Facilities						Replacement reserve as per Contra		
4,24,93,187	Repairs of Vessels		2,82,80,084		13,77,44,842	Profit on sale of fixed assets			17,98,21,737
1,11,25,757	Training Institute NINI		1,94,40,273						
1,63,98,823	Night Navigation		8,10,12,118						
6,47,13,908	Maintenance of lock								
70,37,630	Bank Protection		1,15,17,669						
4,97,87,289	River Training Work								
60,39,270	Protocol		67,71,264						
64,68,315	Other Administrative & Misc. Expenses		2,98,78,152	56,76,43,549					
1,53,39,142							Prior Period Adjustment		
	ADMINISTRATIVE EXPENSES						Excess of expenditure over income carried over to Balance Sheet		
	Pay & Allowances & Other Staff Costs	V		7,37,34,472					
6,54,28,525									
	General & Other Expenses	VI		1,63,30,947					
1,45,99,713									
	Financing Charges								
	Bank Commission/Charges			3,79,178					
90,844	Interest								
	Research & Development Expenses								
	Bad debts written off								
	Foreign Exchange								
	Technical Studies & Consultancy Charges			1,04,86,521					
83,09,381	BOT Expenses								
	Depreciation			17,98,21,737					
13,77,44,842	Subsidy			68,46,000					
	Loss on sale/ valuation/ written off of assets			11,000					
13,85,354	IWT Promotional Activities			1,68,05,698					
3,10,90,920	Income tax								
2,61,520	Prior Period Adjustment account			4,96,555					
26,08,899									
73,22,76,352	TOTAL			87,25,55,657	73,22,76,352	TOTAL		-	87,25,55,657

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

CURRENT LIABILITIES & PROVISIONS AS ON 31.03.2011

Previous year (Rupees)	Particulars	Current Year (Figure in rupees)	
	A) CURRENT LIABILITIES		
14,94,747	(i) Liability for sundry Creditors	64,97,984	
15,42,52,167	(ii) Liability for Expenses	10,96,05,353	
	(iii) Grant Received in surplus	21,63,62,258	
1,09,00,729	(iv) Others	8,89,13,184	42,13,78,779
	(B) PROVISIONS		
-	(i) Provision for Gratuity	69,35,107	
10,24,590	(ii) Provision for Leave Salary & pension contribution (Deputation)	11,03,068	
9,77,404	(iii) Provision for Bonus	10,34,538	
17,33,73,883	(iv) Provision for pension & gratuity contribution	6,25,83,086	
47,54,982	(v) Provision for leave encashment.	46,22,673	7,62,82,879
	(v) Provision for new pension	4,407	
	(C) DEPOSITS HELD ON ACCOUNT OF OTHER		
8,18,60,655	Sundry parties		10,43,70,247
42,86,39,157	TOTAL		60,20,31,905

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member (Finance)

(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2011

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2010	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2011	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2011	NET BLOCK AS ON 31.03.2011
						AS ON	FOR THE			
						31.3.2010	YEAR			
					(3+4+5)	7	8		(7+8+9)	(6-10)
	NOIDA									
	Survey Equipment	44,90,899	-		44,90,899	22,18,881	2,13,318		24,32,199	20,58,700
	Vehicles	26,92,336	40,628		27,32,964	18,28,576	2,59,632		20,88,208	6,44,756
	Furniture & Fixture	37,06,174	2,82,644		39,88,818	26,86,496	2,52,492		29,38,988	10,49,830
	Office Equipment	22,37,326	1,54,089	-	23,91,415	8,80,227	1,13,592		9,93,819	13,97,596
	Electric Installation	11,18,026	10,500		11,28,526	5,99,100	53,605		6,52,705	4,75,821
	Air Conditioners	33,77,527			33,77,527	15,68,338	1,60,433		17,28,771	16,48,756
	Water Coolers & Refrigerators	1,38,486			1,38,486	45,955	6,578		52,533	85,953
	Fans & Air-Coolers	11,57,802	3,462		11,61,264	6,15,666	55,160		6,70,826	4,90,438
	Generator Set	11,48,720			11,48,720	5,07,153	54,564		5,61,717	5,87,003
	Cycle	27,711			27,711	17,382	1,959		19,341	8,370
	Temporary Structure	5,39,260			5,39,260	5,39,260	-		5,39,260	-
	Library Books	8,32,644	42,647		8,75,291	8,32,644	42,647		8,75,291	-
	Computer	1,42,14,829	15,45,514		1,57,60,343	1,31,72,570	25,54,752		1,57,27,322	33,021
	Communication equip.	7,78,471			7,78,471	2,67,252	36,977		3,04,229	4,74,242
	Building	2,49,37,527			2,49,37,527	44,71,302	4,06,482		48,77,784	2,00,59,743
	Computer Software	6,95,888	3,98,895		10,94,783	5,10,903	1,77,464		6,88,367	4,06,416
	Residence Quarter	3,07,32,753			3,07,32,753	40,07,552	5,00,944		45,08,496	2,62,24,257
	TOTAL (A)	9,28,26,379	24,78,379	-	9,53,04,758	3,47,69,257	48,90,599	-	3,96,59,856	5,56,44,902
	CALCUTTA									
	Terminal	3,73,20,571			3,73,20,571	1,32,26,682	17,72,727		1,49,99,409	2,23,21,162
	Vehicles	12,13,641			12,13,641	10,80,270	74,460		11,54,730	58,911
	Furniture & Fixture	7,58,166			7,58,166	3,57,853	34,204		3,92,057	3,66,109
	Office Equipment	4,14,991	86,363		5,01,354	1,55,581	20,531		1,76,112	3,25,242
	Electric Installation	51,173		(3,060)	48,113	8,670	2,431	(2,465)	8,636	39,477
	Survey Instruments	2,20,23,941	6,80,000		2,27,03,941	91,26,207	7,73,345		98,99,552	1,28,04,389
	Library Books	1,07,357	3,765		1,11,122	1,07,357	3,765		1,11,122	-
	Speed Boats	29,61,016			29,61,016	20,62,573	1,32,380		21,94,953	7,66,063
	Vessels Ordinary	15,78,57,969			15,78,57,969	5,02,49,001	52,70,803		5,55,19,804	10,23,38,165
	Fans & Air Coolers	54,043			54,043	21,406	2,412		23,818	30,225
	Communication Network	4,50,413			4,50,413	2,13,371	21,395		2,34,766	2,15,647
	Barges	11,05,14,702	27,67,999		11,32,82,701	93,27,951	37,83,642		1,31,11,593	10,01,71,108
	Cycles	5,975			5,975	2,044	422		2,466	3,509
	Vessel Dredging Unit	9,70,21,575			9,70,21,575	6,93,25,136	19,74,290		7,12,99,426	2,57,22,149
	Computers	17,35,537	1,04,416		18,39,953	13,03,459	1,62,460		14,65,919	3,74,034
	Computers Software	11,04,784			11,04,784	6,71,938	1,79,086		8,51,024	2,53,760
	Night Nav. Equipment	1,98,23,719	5,22,000	(50,040)	2,02,95,679	44,66,079	9,64,048		54,30,127	1,48,65,552
	Air Conditioner	1,11,500	3,000	(22,950)	91,550	21,821	4,491	(8,720)	17,592	73,958
	Generator Set	22,100			22,100	5,250	1,050		6,300	15,800
	TOTAL (B)	45,35,53,173	41,67,543	(76,050)	45,76,44,666	16,17,32,649	1,51,77,942	(11,185)	17,68,99,406	28,07,45,260

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2011

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2010	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2011	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2011	NET BLOCK AS ON 31.03.2011
						AS ON	FOR THE			
						31.3.2010	YEAR			
					(3+4+5)	31.3.2010			(7+8+9)	(6-10)
						7	8	9	10	11
PATNA	Land	3,50,51,442	-	-	3,50,51,442	-	-	-	-	3,50,51,442
	Vehicle	8,86,075	-	-	8,86,075	7,57,907	41,931	-	7,99,838	86,237
	Furniture & Fixture	38,33,417	-	(33,83,642)	4,49,775	18,36,120	28,471	(14,82,224)	3,82,367	67,408
	Office Equipment	9,77,814	32,850	(7,31,503)	2,79,161	4,25,905	13,260	(2,08,411)	2,30,754	48,407
	Electric Installation	37,801	-	-	37,801	29,371	248	-	29,619	8,182
	Air Conditioners	7,07,565	60,199	(6,34,416)	1,33,348	2,35,220	6,334	(1,80,809)	60,745	72,603
	Fans & Air Coolers	32,925	-	-	32,925	31,279	-	-	31,279	1,646
	Water Coolers & Refrigerators	3,51,432	-	(3,41,183)	10,249	1,08,683	-	(98,946)	9,737	512
	Generator Set	7,19,333	-	(6,57,371)	61,962	2,47,999	-	(1,87,350)	60,649	1,313
	Survey Instruments	2,02,74,996	9,85,365	(23,625)	2,12,36,736	1,10,60,546	10,08,745	(3,827)	1,20,65,464	91,71,272
	Vessels: Dredging Unit	23,29,88,283	5,99,83,046	2,03,10,423	31,32,81,752	14,38,86,869	2,19,29,723	1,27,95,568	17,86,12,160	13,46,69,592
	Vessels: Ordinary	13,67,52,802	-	-	13,67,52,802	2,32,78,063	45,67,544	-	2,78,45,607	10,89,07,195
	Speed Boat	27,45,901	-	-	27,45,901	15,86,720	1,94,135	-	17,80,855	9,65,046
	Barges	7,57,50,520	-	-	7,57,50,520	2,09,36,668	25,30,067	-	2,34,66,735	5,22,83,785
	Temporary Structure	1,70,050	8,48,108	-	10,18,158	1,70,050	8,48,108	-	10,18,158	-
	Cycle	2,672	-	-	2,672	2,538	-	-	2,538	134
	Computer	38,21,355	-	(6,49,502)	31,71,853	36,94,091	-	(6,21,896)	30,72,195	99,658
	Library Books	67,202	2,055	-	69,257	67,202	2,055	-	69,257	-
	Survey Equip(compu)	48,06,702	-	-	48,06,702	36,36,276	7,78,686	-	44,14,962	3,91,740
	Survey Pillars	6,49,995	-	-	6,49,995	1,72,216	21,905	-	1,94,121	4,55,874
	Communication Equip.	10,52,901	-	-	10,52,901	7,50,798	50,013	-	8,00,811	2,52,090
	Building	5,49,87,598	-	(5,35,68,348)	14,19,250	60,02,075	23,134	(57,72,543)	2,52,666	11,66,584
	Terminals-	29,78,85,758	6,39,856	-	29,85,25,614	4,24,08,745	1,41,79,967	-	5,65,88,712	24,19,36,902
	Night Navigation BOUYS	92,77,200	-	-	92,77,200	8,81,334	4,40,667	-	13,22,001	79,55,199
	DGPS STATION	1,83,02,445	2,83,16,217	-	4,66,18,662	8,69,366	22,14,386	-	30,83,752	4,35,34,910
	BEACON Tower	4,48,07,338	1,58,95,321	-	1,58,95,321	92,49,859	7,55,027	-	7,55,027	1,51,40,294
	CRANE	4,48,07,338	-	-	4,48,07,338	92,49,859	14,96,565	-	1,07,46,424	3,40,60,914
	TOTAL (C)	94,69,41,522	10,67,63,017	(3,96,79,167)	1,01,40,25,372	27,23,25,900	5,11,30,971	42,39,562	32,76,96,433	68,63,28,939
GUWAHATI	Communication Equipment	14,59,976	-	-	14,59,976	9,10,890	66,397	-	9,77,287	4,82,689
	Vehicles	5,90,523	-	-	5,90,523	5,11,481	24,760	-	5,36,241	54,282
	Furniture & Fixture	5,52,979	19,655	-	5,72,634	4,03,669	18,448	-	4,22,117	1,50,517
	Office Equipment	2,55,872	93,071	-	3,48,943	1,02,500	16,224	-	1,18,724	2,30,219
	Electric Installation	29,479	-	-	29,479	19,810	598	-	20,408	9,071
	Fans & Air-Coolers	17,416	-	-	17,416	14,968	237	-	15,205	2,211
	Survey Instruments	1,53,79,023	10,12,500	-	1,63,91,523	49,19,942	7,62,549	-	56,82,491	1,07,09,032
	Cycle	680	-	-	680	646	-	-	646	34
	Library Books	33,805	-	-	33,805	33,805	-	-	33,805	-
	Vessel Speed Boat	31,55,336	-	-	31,55,336	12,69,542	2,23,083	-	14,92,625	16,62,711
	Generator Set	36,100	-	-	36,100	20,580	1,715	-	22,295	13,805
	Computer	35,85,904	3,27,800	-	39,13,704	29,37,283	1,50,314	-	30,87,597	8,26,107
	Terminals- Pandu	43,86,19,237	-	-	43,86,19,237	4,38,26,037	2,08,34,414	-	6,46,60,451	37,39,58,786
	Night Navigation Equip.	1,29,94,916	25,46,691	-	1,55,41,607	38,93,065	7,38,228	-	46,31,293	1,09,10,314
	Barges	8,98,52,395	4,38,92,846	-	13,37,45,241	1,99,53,310	44,67,092	-	2,44,20,402	10,93,24,839
	Vessels - Ordinary	17,16,99,223	56,90,000	-	17,73,89,223	3,13,92,175	59,24,799	7,60,184	3,80,77,158	13,93,12,065
	Pandu Terminal	18,61,969	2,80,78,278	-	2,99,40,247	-	-	-	-	2,99,40,247
	Vessels Dredging Unit	38,74,36,586	24,42,68,091	-	63,17,04,677	8,62,58,139	4,42,19,328	-	13,04,77,467	50,12,27,210
	CRANE	4,49,69,796	-	-	4,49,69,796	75,09,955	15,01,991	-	90,11,946	3,59,57,850
	Air Conditioner	25,950	-	-	25,950	9,864	1,233	-	11,097	14,853
	Building	10,94,408	10,94,408	-	10,94,408	17,839	-	-	17,839	10,76,569
	TOTAL (D)	1,17,25,57,165	32,70,23,340	-	1,49,95,80,505	20,39,87,661	7,89,69,249	7,60,184	28,37,17,094	1,21,58,63,411

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2011

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2010	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2011	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2011	NET BLOCK AS ON 31.03.2011
						AS ON	FOR THE			
						31.3.2010	YEAR			
					(3+4+5)	31.3.2010			(7+8+9)	(6-10)
		3	4	5	6	7	8	9	10	11
BHAGALPUR	Buildings	54,467			54,467	52,612	-		52,612	1,855
	Vehicle	1,52,658			1,52,658	1,51,776			1,51,776	882
	Furniture & Fixtures	1,31,674	30,090	-	1,61,764	1,08,497	10,240		1,18,737	43,027
	Office Equipment	49,525			49,525	35,290	2,352		37,642	11,883
	Electric Installation	3,227			3,227	1,892			1,892	1,335
	Fans & Air Coolers	5,899			5,899	5,374	280		5,654	245
	Survey Instruments	22,10,143			22,10,143	11,48,697	1,04,982		12,53,679	9,56,464
	Barges	5,61,255			5,61,255	5,15,122	39,288		5,54,410	6,845
	Cycle	701			701	650			650	51
	Library Books	17,346	2,334		19,680	17,346	2,334		19,680	-
	Communication Equipment	1,57,026			1,57,026	1,43,604	7,459		1,51,063	5,963
	Land	36,734			36,734				-	36,734
	Computers	2,02,829	8,368		2,11,197	1,65,877	34,253		2,00,130	11,067
	TOTAL (E)	35,83,484	40,792	-	36,24,276	23,46,737	2,01,188	-	25,47,925	10,76,351
KOCHI	Vehicle	3,83,614			3,83,614	3,60,293			3,60,293	23,321
	Furniture & Fixtures	6,29,145			6,29,145	3,91,355	26,806		4,18,161	2,10,984
	Office Equipment	2,32,999	61,332		2,94,331	1,21,159	12,799		1,33,958	1,60,373
	Fans & Air Coolers	43,425			43,425	13,652	2,351		16,003	27,422
	Air-Conditioner	67,595			67,595	31,214	3,211		34,425	33,170
	Survey Instruments	1,01,73,138	6,95,132		1,08,68,270	38,96,737	4,75,939		43,72,676	64,95,594
	Communication Equipment	7,34,727			7,34,727	2,21,091	34,900		2,55,991	4,78,736
	Generator	3,54,969			3,54,969	66,374	16,861		83,235	2,71,734
	Computer	33,93,547	82,025		34,75,572	28,60,319	2,30,964		30,91,283	3,84,289
	Survey Launch	49,83,591			49,83,591	19,52,419	1,66,452		21,18,871	28,64,720
	SPEED BOATS	11,20,418			11,20,418	3,96,070	79,214		4,75,284	6,45,134
	Land (Terminals)	8,20,74,216	1,70,34,846		9,91,09,062					9,91,09,062
	Land Widening	10,75,33,525			10,75,33,525					10,75,33,525
	Library Books	19,847			19,847	19,847			19,847	-
	Building	39,68,162			39,68,162	4,96,523	64,681		5,61,204	34,06,958
	Terminal	9,89,11,863			9,89,11,863	2,64,15,495	46,98,314		3,11,13,809	6,77,98,054
	Dredger	2,38,64,741	8,65,61,484	(2,03,10,423)	9,01,15,802	1,49,07,771	63,08,106	(1,27,95,568)	84,20,309	8,16,95,493
	Night Navigation	2,97,67,883	5,60,000	(38,410)	3,02,89,473	62,82,497	14,38,750		77,21,247	2,25,68,226
	Foot Over Bridge Thottappally	21,09,000	79,615		21,88,615	4,00,712	1,03,959		5,04,671	16,83,944
	Fork Lifts	63,70,925			63,70,925	13,51,275	4,50,424		18,01,699	45,69,226
	Hydraulic Cranes	6,89,45,177			6,89,45,177	1,34,14,988	48,74,424		1,82,89,412	5,06,55,765
	RCC Jetty K AKKANAD	10,24,439	25,40,658		35,65,097	97,322	1,69,342		2,66,664	32,98,433
	RCC Jetty Maradu	17,86,183			17,86,183	2,54,532	84,844		3,39,376	14,46,807
	RCC Jetty Kayamkulam		1,48,97,117		1,48,97,117		7,07,613		7,07,613	1,41,89,504
	RORO LOLO Jetty		13,80,38,000		13,80,38,000		65,56,805		65,56,805	13,14,81,195
	Temporary Terminal	11,96,370			11,96,370	11,96,370			11,96,370	-
	TOTAL (F)	44,96,89,499	26,05,50,209	(2,03,48,833)	68,98,90,875	7,51,48,015	2,65,06,759	(1,27,95,568)	8,88,59,206	60,10,31,669
ALLAHABAD	Computer	2,29,349	26,220		2,55,569	2,09,104	13,889	(863)	2,22,130	33,439
	Furniture & Fixtures	1,66,441			1,66,441	96,072	10,533		1,06,605	59,836
	Office Equipment	63,554			63,554	29,565	2,765	(1,772)	30,558	32,996
	Fans & Air Coolers	12,155			12,155	4,474	578		5,052	7,103
	Library Books	22,425			22,425	22,425			22,425	-
	Electrical Installation	24,950			24,950	10,665	1,185		11,850	13,100
	land-TERMINAL	24,05,763			24,05,763					24,05,763
	Survey Instruments	40,69,978	2,400		40,72,378	18,88,167	1,59,063	(212)	20,47,018	20,25,360
	TOTAL (G)	69,94,615	28,620	-	70,23,235	22,60,472	1,88,013	(2,847)	24,45,638	45,77,597

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2011

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2010	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2011	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2011	NET BLOCK AS ON 31.03.2011
						AS ON 31.3.2010	FOR THE YEAR			
					(3+4+5)	7	8		(7+8+9)	(6-10)
		3	4	5	6	7	8	9	10	11
VARANASI	Furniture & Fixtures	1,01,821			1,01,821	51,461	6,445		57,906	43,915
	Computer	1,27,680	66,800		1,94,480	1,05,468	31,525		1,36,993	57,487
	Office Equipment	53,297	-		53,297	18,480	2,532		21,012	32,285
	Fans & Air Coolers	5,875			5,875	1,953	279		2,232	3,643
	Vehicle	2,43,069			2,43,069	1,84,736	23,092		2,07,828	35,241
	Communication Equipment	59,764			59,764	21,735	3,133		24,868	34,896
	Library book	525			525	525	-		525	-
	Survey Instruments	24,61,288		23,625	24,84,913	5,55,384	1,18,033	3,827	6,77,244	18,07,669
	TOTAL (H)	30,53,319	66,800	23,625	31,43,744	9,39,742	1,85,039	3,827	11,28,608	20,15,136
NINI	Furniture & Fixtures	16,060	12,240	33,83,642	34,11,942	1,017	2,15,976	14,82,224	16,99,217	17,12,725
	Generator Set			6,57,371	6,57,371		31,225	1,87,350	2,18,575	4,38,796
	Computer			6,49,502	6,49,502			6,21,896	6,21,896	27,606
	Office Equipment	14,500	35,334	7,11,043	7,60,877	689	36,141	2,06,467	2,43,297	5,17,580
	Air Conditioner	1,14,600		6,34,416	7,49,016	5,444	35,578	1,80,809	2,21,831	5,27,185
	Building/Workshop	4,72,851		5,35,68,348	5,40,41,199	7,707	8,80,872	57,72,543	66,61,122	4,73,80,077
	Hostel & kitchen	3,36,360	1,897		3,38,257	15,977	16,067		32,044	3,06,213
	Work SHOP WQUIPMENT	3,31,832			3,31,832	15,762	15,762		31,524	3,00,308
	Fire Mock up Equipments		29,47,980		29,47,980		1,40,029		1,40,029	28,07,951
	Water Cooler& Refigerator			3,41,183	3,41,183		16,206	97,237	1,13,443	2,27,740
	Temporay Structure		1,97,196		1,97,196		1,97,196		1,97,196	-
	Course Material & Equipments		2,64,366		2,64,366		2,64,366		2,64,366	-
	SIMULATOR	35,25,057	81,64,800		1,16,89,857	5,71,059	6,54,632	(3,73,656)	8,52,035	1,08,37,822
	Library book		9,059		9,059		9,059		9,059	-
	TOTAL (I)	48,11,260	1,16,32,872	5,99,45,505	7,63,89,637	6,17,655	25,13,109	81,74,870	1,13,05,634	6,50,84,003
KALADAN	Furniture & Fixtures	63,845			63,845	4,041	4,041		8,082	55,763
	Temporay Structure		15,364		15,364		15,364		15,364	-
	Computer	2,00,377	43,075		2,43,452	32,481	39,463		71,944	1,71,508
	TOTAL (J)	2,64,222	58,439	-	3,22,661	36,522	58,868	-	95,390	2,27,271
	GRAND TOTAL (A+B+C+D+E+F+G+H+I+J)	3,13,42,74,638	71,28,10,011	(1,34,920)	3,84,69,49,729	75,41,64,610	17,98,21,737	3,68,843	93,43,55,190	2,91,25,94,539
	PREVIOUS YEAR	2,78,94,81,936	36,53,61,267	(2,05,68,565)	3,13,42,74,638	61,94,23,546	13,77,44,842	(30,03,778)	75,41,64,610	2,38,01,10,028

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

CURRENT ASSETS, LOANS & ADVANCES AS ON 31.3.2011

PREVIOUS YEAR (RUPEES)	PARTICULARS		CURRENT YEAR (Figures in rupees)
	a) STORES, SPARES & TOOLS (AT COST)		
2,82,32,950	1) Marine Spare Parts	3,02,53,011	
66,43,277	2) Permanent Stores	67,01,067	
6,408	3) Consumables & Marking Material	-	
2,66,317	4) Stationary	2,27,787	
1,03,84,628	5) POL Stock	1,10,56,253	
2,35,502	6) Others	2,92,155	4,85,30,273
	b) SUNDRY DEBTORS		
	1) Secured		
	2) Unsecured		
	-- Considered Good		
	1) more than 6 months		
	2) less than 6 months		
	-- Considered Doubtful		
	c) DEPOSITS, LOANS & ADVANCES		
72,86,154	1) Advance to staff	62,27,452	
60,214	2) Departmental Advance	74,319	
85,59,44,792	3) Advance to Contractors & Suppliers	90,72,60,915	
95,92,839	4) Deposits	1,00,75,989	
2,12,65,382	5) Claims Recoverable	4,18,28,886	
4,36,462	6) Prepaid Expenses	34,31,122	
58,45,735	7) Others	39,97,159	97,28,95,842
	d) CASH & BANK BALANCES		
38,419	1) Cash/Stamps in-hand	36,238	
(8,45,31,072)	2) Cash with Scheduled Banks	32,21,51,820	
-	3) Remittance in transit	-	
28,20,92,323	4) Short term deposit	18,42,96,000	50,64,84,058
1,14,38,00,330	TOTAL		1,52,79,10,173

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

**OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2011**

Previous Year (Rupees)	Particulars		Current Year (Figures in Rupees)
	<u>NATIONAL WATERWAY NO.1</u>		
9,25,40,675	1. Pay & Allowances & Other Staff Costs	9,95,55,494	-
	2. Works Expenses		
2,96,95,815	(i) Surveying	1,46,23,259	
1,53,07,830	(ii) Dredging	6,48,08,708	
1,53,29,813	(iii) Bandalling	1,64,92,846	
68,75,249	(iv) Aids to navigation & Channel marking	54,71,396	
2,89,05,911	(v) Terminal Facilities	1,91,49,995	
79,94,115	(vi) Repairs of Vessels	4,59,01,426	
2,50,15,547	(vii) Night Navigation	4,01,35,781	
24,70,998	(ix) River Training Work	-	
64,99,392	3. Other Administrative & Misc. Expenses	52,52,217	31,13,91,122
	<u>NATIONAL WATERWAY NO.2</u>		
1,97,22,466	1. Pay & Allowances & Other Staff Costs	2,68,67,646	
	2. Works Expenses		
1,28,40,273	(i) Surveying	68,79,983	
1,63,68,556	(ii) Bandalling	2,89,24,993	
57,72,669	(iii) Aids to navigation & Channel marking	50,70,735	
1,07,54,382	(iv) Terminals	57,05,394	
40,15,627	(v) Dredging	69,19,796	
26,14,472	(vi) Repairs of Vessels	67,67,504	
3,44,00,024	(vii) Night Navigation	3,55,70,790	
64,68,315	(VIII) Protocol	67,71,264	
35,68,272	(Viii) River Training Work	-	
1,63,98,823	(IX) Training Expenses(NINI)	1,94,40,273	
6,14,499	3. Other Administrative & Misc. Expenses	6,67,335	14,95,85,713

Cont.....

OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2011

Previous Year (Rupees)	Particulars		Current Year (Figures in Rupees)
	<u>NATIONAL WATERWAY NO.3</u>		
1,20,67,922	1. Pay & Allowances & Other Staff Costs	1,09,31,245	
	2. Works Expenses		
53,40,356	(i) Surveying	17,53,912	
1,13,34,643	(ii) Dredging	4,74,62,884	
-	(iii) Channel marking	-	
52,98,337	(iv) Night Navigation	53,05,547	
28,32,894	(v) Terminal Facilities	34,24,695	
5,17,170	(vi) Repair of vessel	47,934	
70,37,630	(vii) Maintenance of lock gate	-	
4,97,87,289	(viii) Bank Protection	1,15,17,669	
7,17,030	3. Other Administrative & Misc. Expenses	8,25,999	8,12,69,885
	KALADAN PROJECT		
15,55,288	1. Pay & Allowances & Other staff Costs	22,64,228	
	2. Works Expenses		
25,85,851	(i) Surveying	-	
	(ii) Dredging		
	(iii) Terminal Facilities		
	(iv) Other Consultancy	1,49,49,418	
75,08,221	3. Other Administrative & Misc. Expenses	81,83,183	2,53,96,829
47,07,56,354	TOTAL		56,76,43,549

For and behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member (Finance)

(BHUPINDER PRASAD)
chairperson

SCHEDULE V

PAY & ALLOWANCES & OTHER STAFF COSTS FOR THE YEAR ENDED 31.03.2011

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
	PAY & ALLOWANCES & OTHER STAFF COSTS	
	-	
3,83,17,946	i) Pay & Allowances	4,22,74,025
33,000	ii) Honorarium	1,13,000
18,69,029	iii) Medical Reimbursement	17,14,996
1,57,441	iv) Daily Wages	1,44,450
3,18,099	v) OTA	2,40,942
2,21,056	vi) Bonus	2,96,468
-	vii) Leave Salary & Pension	-
13,65,832	Contribution (Dep.)	12,55,655
8,56,559	viii) Rent for Residence	5,01,326
4,156	ix) Liveries	19,378
5,21,600	x) Staff welfare Expenses	5,62,346
12,34,799	x) Tuition fees	12,05,903
1,77,71,764	xi) Pension & Gratuity Contribution	2,17,41,317
22,89,623	xii) Leave Encashment	21,03,732
4,67,621	xiii) LTC Exp.	15,60,934
6,54,28,525	TOTAL	7,37,34,472

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

SCHEDULE VI

GENERAL & OTHER EXPENSES FOR THE YEAR ENDED 31.03.2011

PREVIOUS YEAR (FIGURES IN RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
16,73,622	i) Repairs & Maintenance	17,13,761
2,69,329	ii) Staff Recruitment Expenses	5,46,176
8,84,230	iii) Postage, Telephone & Telegram	9,61,913
8,41,648	iv) Printing & Stationery	10,63,816
9,33,193	v) Vehicle Running & Maintenance	11,91,724
86,387	vi) Advertisement & Publicity	87,014
1,93,661	vii) Conveyance Reimbursement	2,05,616
40,28,616	viii) Traveling Expenses ---Inland	58,02,676
17,35,822	---Abroad	6,04,141
90,844	ix) Newspaper & Periodicals	90,626
36,232	x) Misc. Expenses	77,973
93,450	xi) Consumables	1,84,106
16,79,489	xii) Electricity & Water Charges	18,85,467
3,78,068	xiii) Audit Fees & expenses	9,86,161
10,98,206	xiv) Legal Charges	3,24,010
2,41,500	xv) Seminar & Workshop/Conference	2,27,351
2,05,005	xvi) Hindi Promotion	3,19,294
1,30,411	xvii) Authority meeting expenses	59,122
1,45,99,713	TOTAL	1,63,30,947

For and on behalf of the Authority

(S. JAYARAMAN)
Chief Accounts Officer

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA							
CARGO MOVEMENT FOR National Waterways-1, 2 & 3, Goa and Mumbai Waterways 2006-07 to 2010-11							
STRETCH		2006-07	2007-08	2008-09	2009-10	2010-11	Type of cargo moved
National Waterway - 1 THE Ganga	MT	13,17,387	14,97,964	13,48,385	18,11,070	18,71,178	Cement, general cargo, rice, wood logs, packed and bulk edible oil, POL, lubricants, fly ash, pulses, stone chips, iron dust, & ODC.
	TKM	58,03,17,191	70,91,53,891	70,55,70,044	1,04,77,03,720	1,22,77,02,794	
	BTKM	0.58	0.709	0.705	1.048	1.228	
National Waterway - 2 THE BRAHMAPUTRA	MT	20,24,760	21,40,491	21,79,435	21,14,895 ^	21,63,745 ^	Cement, building material, fertilizer, petrocokoe, food grains, coal, plant & machinery, general cargo, HSD, ODC inter-district & inter state cargo.
	TKM	6,53,32,860	5,68,74,896	5,51,71,401	5,91,26,385	5,73,35,351	
	BTKM	0.065	0.057	0.055	0.059	0.057	
National Waterway - 3 WEST COAST CANAL	MT	10,22,776	6,73,127	7,66,214	6,67,197	8,85,694	Sulphur, rock phosphate, zinc, phosphoric acid, Gas, furnace oil, POL, & Potable water, lime shell with clay and other impurities, etc.
	TKM	1,49,36,770	88,72,101	1,09,12,125	97,50,256	1,42,27,990	
	BTKM	0.015	0.009	0.011	0.01	0.014	
Sub Total of National Waterways	MT	43,64,923	43,11,582	42,94,034	45,93,162	49,20,617	
	TKM	66,05,86,821	77,49,00,888	77,16,53,570	1,11,65,80,361	1,29,92,66,135	
	BTKM	0.661	0.775	0.772	1.117	1.299	
THE GOA (Mormugao)	MT	4,05,00,000	3,85,00,000	4,55,80,000	5,30,30,000	5,45,00,000	Iron ore, iron ore pellets, coal & pig iron.
	TKM	1,96,52,50,000	1,92,50,00,000	2,27,90,00,000	2,65,15,00,000	2,72,50,00,000	
	BTKM	1.966	1.925	2.279	2.651	2.725	
Mumbai Waterways Dharmatar Creek	MT	1,18,97,322	1,29,06,154	1,01,55,962	1,19,91,109	1,48,75,355	Coal, cement, bauxite, iron ore pellets, stone, HR steel, project cargo and related raw material, Sulphur, rock phosphate, cement, lime stone & clinker etc.
	TKM	64,24,55,388	69,69,32,316	54,84,21,948	64,75,19,886	80,32,69,170	
	BTKM	0.642	0.697	0.548	0.648	0.803	
Grand Total	MT	5,67,62,245	5,57,17,736	6,00,29,996	6,96,14,271	7,42,95,972	
	TKM	3,26,82,92,209	3,39,68,33,204	3,59,90,75,518	4,41,56,00,247	4,82,75,35,305	
	BTKM	3.268	3.397	3.599	4.416	4.828	

Note:

1. These figures are collected by IWAI field offices from IWT operators.
 2. Average IWT distance of 50 Km in Goa and 54 km in Mumbai Waterways considered
- ^ Provsional data subject to receipt of final report from IWTD, Govt. of Assam. Data extrapolated considering average of previous 3 years.