

Annual Report

2011 - 2012



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 2011-12)

		Telephone No.	Fax No.
Chairman	Smt. Bhupinder Prasad, IAS	0120-2543972	0120-2543973
Member	Shri Sunil Kumar, IAS Vice-Chairman, IWAI (Up to 01.03.2012)	0120-2544009	0120-2544009
Member	Shri V. K. Chhibber, IAS Additional Secretary & Financial Advisor, Ministry of Shipping	011-23710140	011-23715195
Member	Shri Rajeev Gupta Joint Secretary (Shipping) Ministry of Shipping (Up to 08.11.2011)	011-23710189	011-23722855
	Shri M. C. Johri Joint Secretary (Shipping) Ministry of Shipping	011-23710189	011-23722855
Member	Shri M. L. Meena, IAS Chairman, Kolkata Port Trust	033-22205370	033-22208226
Member	Sh. Deepak Das Member (Finance), IWAI	0120-2544004	0120-2543976
Member	Sh. S. S. Mishra Member (Traffic), IWAI (From 19.08.2011 till date)	0120-2543994	0120-2543982
Member	Sh. Shankar Ram Member (Technical), IWAI (Up to 02.05.2011)	0120-2521664	0120-2544041
Member	Sh. S. S. Pandian Member (Technical), IWAI (From 23.12.2011 till date)		

OTHER DETAILS

		Telephone No.
Secretary	Shri S. K. Shahi	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)	0612-2630112 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)	0484-2295064 0484-2389804	0484-2389445

SUB OFFICES / UNITS

	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 Fakirtala, P.O.- Maheshganj Swaroopganj, Naida-741 315 (West Bengal)		
INLAND WATERWAYS AUTHORITY OF INDIA Durgabari Road Tiniali, A. T. Road, Naliapool Dibrugarh- 786 001	0373-2302540	
INLAND WATERWAYS AUTHORITY OF INDIA Dhubri Terminal, Free India Ghat, Dhubri - 786005		
INLAND WATERWAYS AUTHORITY OF INDIA IWT Terminal Cum Office Complex, Ashramam Nr. ESI Hospital, Kollam-691002	0474-2766460	

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 in Europe, US and China where development of IWT 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 the 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 70.00 million tonne (4.755 btkm) in 2011-12 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 development of inland waterways 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 of 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 Kottampuram to Kollam with Udyogmandal and Champakara canals (NW-3, 205 km), the Kakinda-Puducherry stretch of canals with Godvari and Krishna rivers (NW-4, 1078 km) and the East Coast Canal with Brahmani river and Mahanadi delta (NW-5, 588 km). Declaration of Barak river from Lakhipur to Bhanga (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/ passenger and connectivity with road and rail.

IWAI undertakes development and maintenance of IWT related infrastructure facilities on NW-1, 2 & 3. 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/2.5m/1.5m depth in NW-1, 2.5m/2m/1.5m depth in NW-2 and 2m 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 development 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.

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 2011-12, to maintain LAD in stretch upstream of Tribeni, 2775 m of bandals were erected in Tribeni - Rajmahal stretch (399 km) and 15,540 m bandals were erected in Rajmahal - Chunar stretch (827 km). In addition, 5.77 lakh m³ of dredging was carried out in Tribeni- Rajmahal stretch and 4.29 lakh m³ in Rajmahal – Chunar stretch by deploying eight Cutter Section Dredgers namely CSD Sweta, Tapi, Shipra, Jalangi, Mahananda, Alaknanda, Yamuna, and ID-IV which are owned by IWAI. An Amphibian Dredger was also constructed and ready for deployment. LAD of 2.5 m was maintained between Haldia and Farakka (560 km) for about 320 days, 2 m for about 200 days was maintained between Farakka and Ghazipur (690 km), and 1.5m for about 170 days was maintained between Ghazipur – Allahabad (370 km).

Terminals:

At Patna, Low level jetty is already functioning. Construction of High level jetty was also completed during 2011-12 and this jetty too is now ready for operation. Both of jetties are capable for handling of containers. This terminal consisting of two different levels of jetties is first of its kind in India. Construction of permanent terminal at GR jetty, Kolkata is in progress. Fixed jetties already exist and

being used at Farakka and Pakur in the State of West Bengal. The effort for construction of permanent terminal at Varanasi by M/s Engineering Project India Ltd has been made subsequent to handing over of land by State Govt. of Uttar Pradesh.

Besides these fixed terminals, floating terminals also exist at Haldia, BISN & Botanical Garden (Kolkata), , Shantipur, Swaroopganj, Katwa, Hazardwari, d/s Farakka, u/sFarakka, Manglahaat (Rajmahal), Samdaghat (Sahebganj), Bateshwarsthan, Bhagalpur, Munger, Semaria, Buxar, Ghazipur, Varanasi and Allahabad. These terminals are being maintained and used for loading/unloading of cargo, logistics supports and embarking/disembarking.

Construction of IWAI Office cum RIS Complex at Patna is in progress.

Navigation Aids:

Temporary channel marks for day navigation are provided and being maintained between Tribeni and Allahabad all-round the year. Besides, fortnightly thalweg surveys being conducted during low water period and on monthly basis in flood season. River notices were issued and pilotage provided to the Cargo/ Tourist vessels. The night navigation aids were maintained between Tribeni and Varanasi (1187 km) with country boats/ MS poles fitted with navigational lights and beacons. To supplement these aids and for providing state-of- the art 24 hours navigation aids in the waterway, DGPS stations have been commissioned at Bhagalpur, Patna and Swaroopganj.

NATIONAL WATERWAY NO.2

Fairway development:

During the year 2011-12, 22,800m of bandals were erected and maintained in the entire waterway. 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 Oriumghat (Balijan) for about 330days.

Terminals:

A Master Plan was prepared for phased development of terminal at Pandu. A low level jetty at Pandu has already been made operational and a high level jetty at a cost of Rs. 33.32 Cr. is under construction. The overall physical progress of the project till March'12 is 91%. This project is expected to be completed by March 2013. A Broad Gauge siding connecting Pandu port to Kamakhya railway station, Guwahati is under construction through NF Railway at a revised cost of Rs. 12.97 Cr. which is nearing completion and expected to be commissioned during April'12. A scheme for developmental works at

Pandu terminal like bank protection, construction/repair of internal road system, drainage work, hard stands etc. at a cost of Rs. 4.64 Cr. was approved during March 2011. The work is under progress through CPWD and expected to be completed by March, 2013. Proposal for Construction of an alternate road, connecting Pandu terminal to NH31, for movement of heavy traffic, at a cost of Rs. 12.32 Cr. was approved during March 2012. The work of construction of this road is entrusted to PWD Assam. DPR for construction of terminal at Dhubri and Hatsingimari (Opposite Dhubri) with Ro-Ro facilities is under preparation through M/s. L&T Ltd.

Scheme for construction of Office cum River Information System building of IWAI regional office Guwahati at Pandu at an estimated cost of Rs. 4.61 Cr. was sanctioned during March 2011. The work is entrusted to CPWD and in progress. The project is expected to be completed by September 2013.

Floating terminals for facilitating cargo movement were provided and maintained at Dhubri, Jogighopa, Tejpur, Silghat, Neamati, Bogibeel, Dibrugarh, Sengajan/Panbari and Oriumghat . Land acquisition for establishment of terminal at Dhubri, Silghat, Neamati and Dibrugarh has been completed. Further, land acquisition for Biswanath ghat, Hatsingimari and Oriumghat has been processed.

Navigation Aids:

Channel marking for day navigation was provided and maintained in the entire waterway. Night navigation has also been provided between Dhubri and Silghat and maintained. Night navigation aids can be provided in the remaining stretches also on demand within a short notice. Talweg survey was carried out in the entire waterway on fortnightly / monthly basis and river notices were issued to provide fairway related information to the IWT operators.

NATIONAL WATERWAY NO. 3

Fairway development:

NW-3 is a tidal waterway with four sea openings at Munambam, Kochi, Kayamkulam and Neendakara. As per DPR a navigation channel of 38M width in wider reaches and 32M in narrow reaches is to be developed for navigation by self- propelled barges of 350 tonnes capacity. To develop the navigation channel with above dimensions, 40.33 Lakh Cum capital dredging was envisaged, over a length of about 87 Km. To carry out the dredging, entire NW-3 was divided into seven stretches: i) Champakara canal, ii) Udyogmandal canal, iii) Kottapuram- Kochi, iv) Kochi- Alappuzha, v) Alappuzha- Kayamkulam, vi) Kayamkulam-Edapallikotta and vii) Edapallikotta- Kollam. The capital dredging in NW-3 was started

during 1997-98 and completed in Champakara canal, Udyogmandal canal and Kochi- Alappuzha stretch. The capital dredging in Kochi –Kottapuram stretch is expected to be completed by April 2012 and in other stretches it is in progress. As on March 2012, IWAI has carried out 29.05 lakh Cu. m dredging. With this, Kottapuram to Alappuzha (Takazhi jetty) stretch along with Champakkara and Udyogmandal Canals (155 Km) has been provided with targeted navigational channel.

The capital dredging work in Alappuzha- Kayamkulam and Kayamkulam- Edappallikotta stretches is being executed through contract dredging. The dredging in Edapallikotta- Kollam stretch is being executed by departmental dredgers. The Edapallikotta- Kollam stretch contains hard strata (approx. quantity 18000Cum). IWAI tried the option of removal of hard strata by underwater drilling and high pressure gas (CO₂) expansion rock breaking keeping in view the safety of people residing on both sides of canal but not found suitable. Tender floated twice during August 2011, were also remained non-responsive. Finally, IWAI procured a special Amphibian dredger from Finland, which has a special attachment of hydraulic hammer for breaking the underwater hard strata. This special dredger has been found suitable for removing the underwater hard strata and now the work is in progress in this stretch since February 2012. Dredging and widening of canals in Alappuzha- Kollam stretch is expected to be completed by March, 2013.

Protection of the canal banks against erosion is another important activity for safe navigation. As on March 2012, 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 and 2.31 Km length has been provided with bank protection as on March 2012.

Aids for 24 Hour navigation:

Aids for 24 hours navigation comprising 312 navigational buoys fitted with solar operated navigational lights and 18 beacon towers have been installed in the entire NW-3 and are being maintained.

Terminals:

Out of total 11 locations envisaged for setting up of terminals, eight have already been constructed at Kottapuram, Aluva, Maradu (Kochi), Vaikom, Cherthala (Thanneermukkom), Thrikunnapuzha, Kayamkulam (Ayiram Thengu) and Kollam. Construction of one terminal at Alappuzha is under progress

at a cost of Rs.9.04 crores. Terminals at remaining two locations namely Kakkanadu and Chavara are proposed to be constructed in the next phase after firming up the cargo availability. For effective utilization and to encourage private sector participation, operation and maintenance of IWT terminals at Kottapuram, Aluva, Maradu (Kochi), Vaikom, Cherthala (Thanneermukkom), Thrikunnapuzha, Kayamkulam, Kollam and Alappuzha (under construction) is proposed through private sector through open bidding process.

Two IWT container terminals, one at Bolgatty and the other at Willingdon island with RO-RO facilities have been constructed by IWAI through Cochin Port Trust to provide connectivity with ICTT Vallaradam due to which trucks/trailers bound for Vallaradam need not pass through the congested roads of Kochi city. These terminals are in operation since 23/02/2011. As on March 2012, 28,688 of 20 feet and 14,551 of 40 feet containers have been transported between these terminals.

NATIONAL WATERWAYS – 4 AND 5

In November 2008 two new waterways were declared as National Waterway (NW)- 4 and 5. These are: (a) Kakinada- Puducherry canal system (consisting of Kakinada canal, Eluru canal, Commamur canal, Buckingham canal and Kaluvelly tank) along with Bhadrachalam- Rajahmundry stretch of Godavari river and Wazirabad- Vijaywada stretch of Krishna river (1078 km), in the States of Andhra Pradesh and Tamil Nadu as NW-4; and (b) 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) in the States of West Bengal and Odhisa. Detailed Project Reports for both these NWs have been prepared. But the Planning Commission did not allocate any fund for taking up development works thereon and suggested to explore the possibility of developing more commercially viable stretches through PPP mode. Accordingly, IWAI took up the matter with Department of Economic Affairs (DEA) who have a scheme called India Infrastructure Project Development Fund (IIPDF) to fund potential PPP projects' project development expenses including cost of engaging consultants and Transaction Advisors. In addition, DEA in collaboration with the Asian Development Bank (ADB) also develop 'pilots', under the PPP Pilot Projects Initiative under the ADB's Technical Assistance (TA) programme. Under this process the DEA/ ADB have appointed M/s Grant Thornton as Transaction Advisor for developing projects for NW-4 and 5 under PPP mode with Viability Gap Funding Scheme of the Government.

5.0 PROPOSED NATIONAL WATERWAY -6

A proposal for declaration of Lakhipur-Bhanga stretch (121 km) of Barak river was passed by the Lok Sabha during February 2009. But before the same could be passed by the Rajya Sabha, the tenure of the 14th Lok Sabha got over and the entire process has to be gone through afresh. In the meantime, IWAI prepared the Detailed Project Report (DPR) for development of the waterway for navigation. It was decided by the Government that before putting up the case to the Cabinet, Expenditure Finance Committee (EFC) should examine the development proposal. Accordingly, IWAI prepared a draft EFC Note and submitted to the Ministry of Shipping for consideration by the EFC.

6.0 TECHNO ECONOMIC STUDIES AND R & D

Following studies were completed during 2011-12

- (i) DPR to decongest Mumbai city through coastal shipping and IWT mode.
- (ii) DPR for revival of IWT in MbPT- Vasai route via Thane creek.
- (iii) Identification of potential waterways of North East region.

Besides, the following studies are in progress.

- (i) Technical feasibility of providing 3 m LAD in Allahabad – Ghazipur stretch of NW-1
- (ii) DPR of Goa Waterways.
- (iii) DPR of Barak river.
- (iv) EIA/EMP studies for development of NW-4 and NW-5.

7.0 NTPC COAL TRANSPORTATION PROJECT

NTPC's power plants at Farakka and Kahalgaon face acute shortage of coal mainly on account of limitation of draft at Haldia port and transportation capacity of railways for both domestic and imported coal. These power plants having been located on the bank of Ganga (the National Waterway-1), IWAI had been working with NTPC for a few years to provide a solution for transportation of imported coal from Haldia/ Sagar/ Sand heads to these power plants by inland water transport (IWT) mode. After concerted efforts of IWAI, NTPC during July/ August 2010 provided commitment of transportation of 3 million tonnes per year (MMTPA) imported coal for their power plant at Farakka for seven years. Part of this coal can be transported from Farakka to Kahalgaon power plant through MGR railway line of NTPC between these power plants.

Thereafter, IWAI and NTPC along with IL&FS-IDC, developed a project envisaging an investment

of about Rs 650 cr for setting up (a) transshipment facility at Sagar/ Sand heads, (b) barges for 3 MMTPA coal transportation (c) inland water terminal at Farakka; and (d) conveyor system from the terminal to the coal stake yard of Farakka power plant. After open competitive bidding, M/s. Jindal ITF Ltd (JITF) whose quoted price for transportation of coal by IWT mode was found to be 15% less than what is currently being paid by NTPC were selected by NTPC and a Tripartite Agreement (TPA) was signed on 11.8.2011 among NTPC, IWAI and M/s. Jindal ITF Ltd. JITF have started implementing the project.

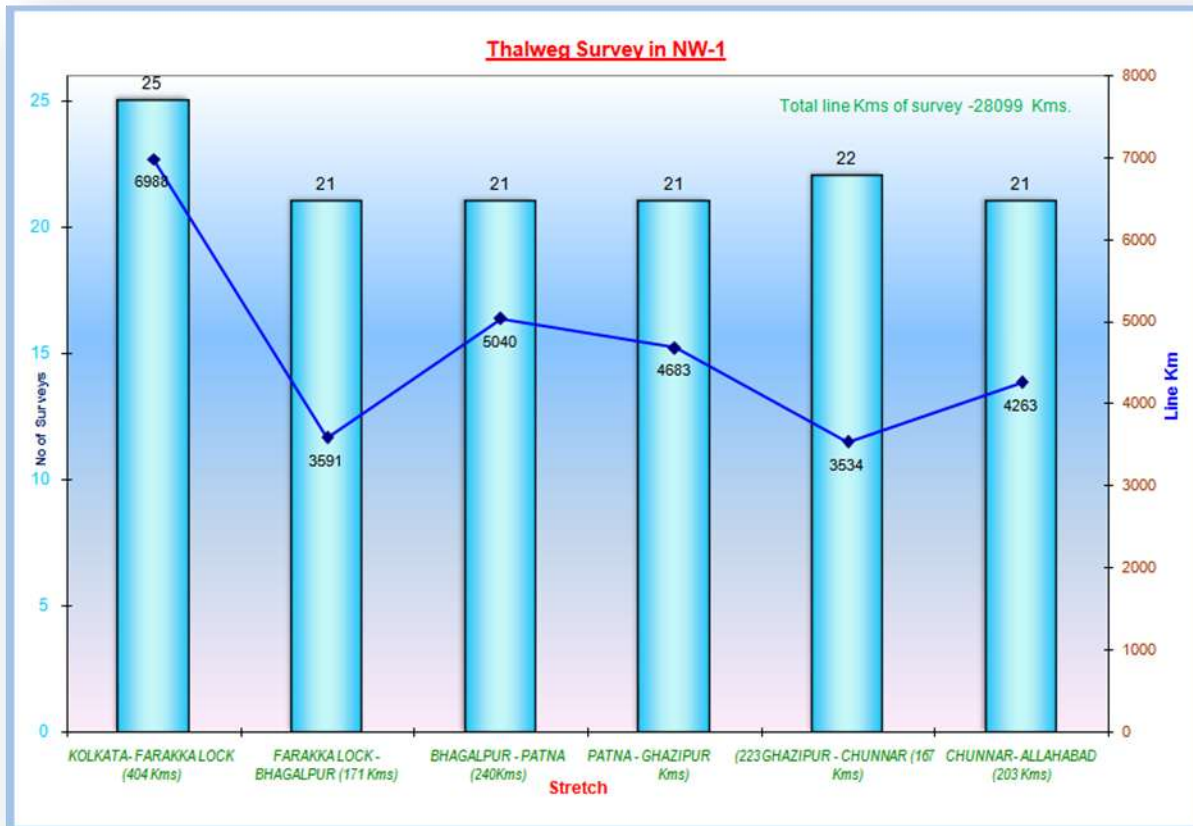
Since there are several existing thermal power plants along Ganga and many more are slated to come up, success of this pioneering project may pave way for many more projects for transportation of coal on NW-1 and possibly on other National Waterways as well and may also become a catalyst in reviving the inland water transport mode in the eastern and north-eastern parts of the country.

8. Survey Activities during the year 2011-12

NATIONAL WATERWAY NO-1

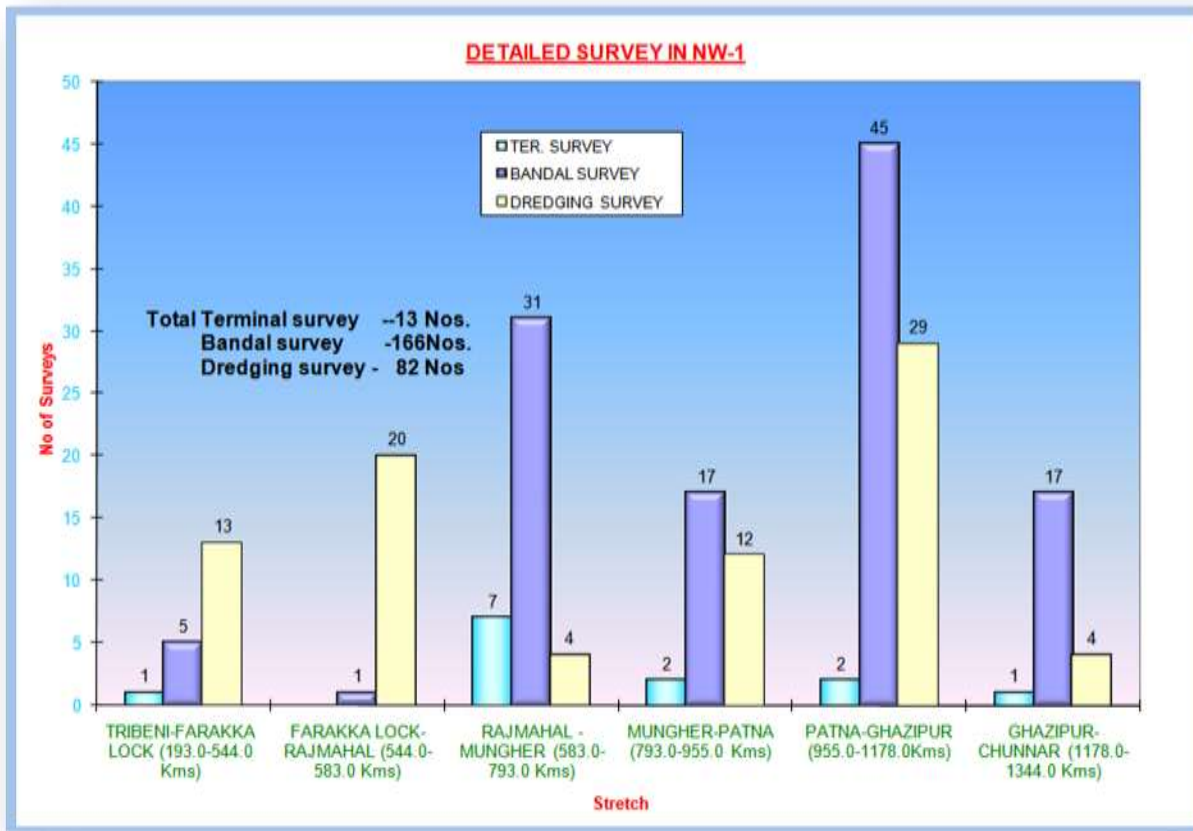
THALWEG SURVEYS

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi) to the IWT users. Total 28,099 line Km of Thalweg surveys were undertaken during the year. Stretch-wise details of surveys undertaken are shown below:-



DETAILED SURVEYS

Pre / Post Bandalling and Dredging surveys were conducted departmentally at 248 shoal locations, details are given below:-



TERMINAL SURVEYS

Terminal Surveys were carried out at Jalangi Confluence (Ch.281 Km) in TRIBENI-FARAKKA stretch, Manglaghat (588.0), Samdaghat (618.0), Bateswarsthan (683.0), Bhagalpur (715.0) and Mungher (793.0) in FARAKKA – MUNGHER stretch, D/s Barh (888.0), and Gaight (955.0) in MUNGHYER - PATNA stretch at Buxer (1122.0) and in PATNA - GHAZIPUR stretch and at Ghazipur Ghat (1177.0) in GHAZIPUR - CHUNAR (1178.0-1344.0)

DREDGING SURVEYS

The dredging work was monitored by using Automated Hydrographic Survey System in all stretches of National Waterway No.1.



DETAILED SURVEY USING AUTOMATED HYDROGRAPHIC SURVEY SYSTEM
IN FRP BOAT

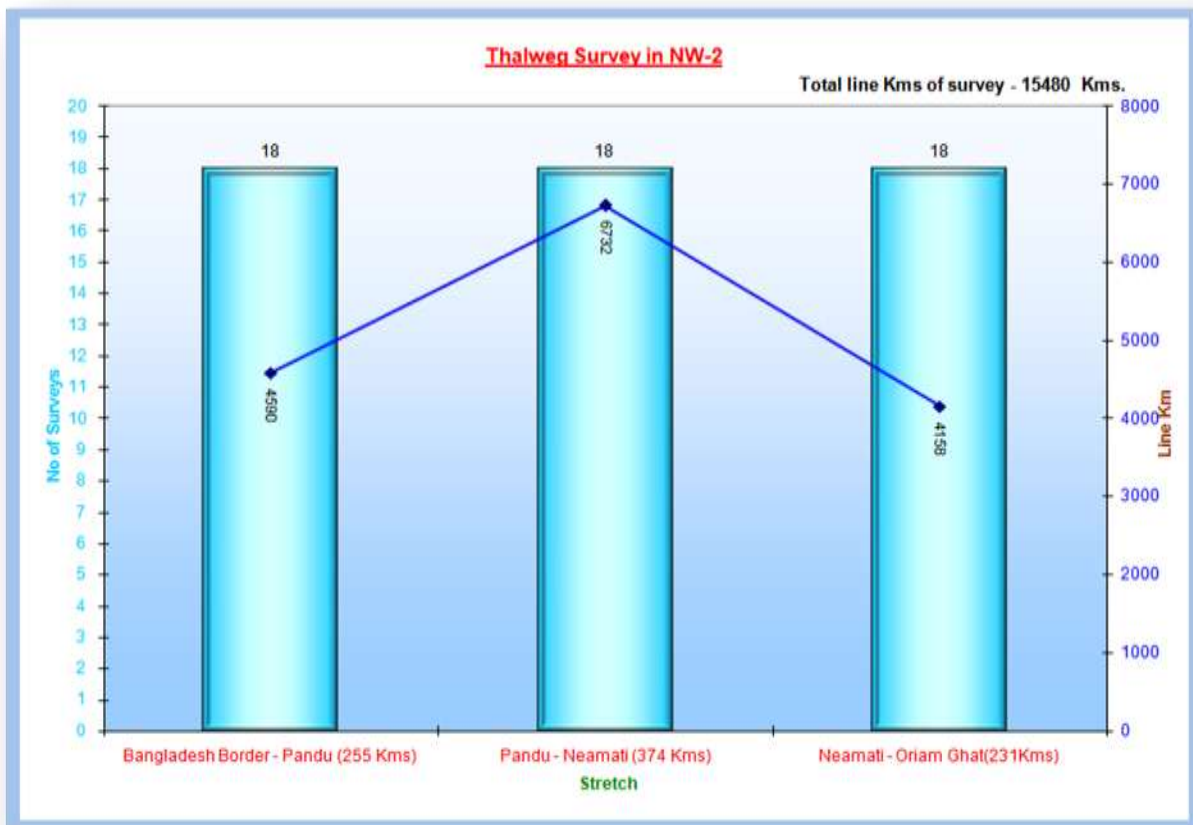
Indo-Bangladesh Protocol Route

Monthly Thalweg survey in Indo-Bangladesh Protocol route was undertaken from Silver Tree point to Beharikhal (Bangladesh border). Total 1,872 line Kms Thalweg survey were conducted and River Notices published in the IWAI web site.

NATIONAL WATERWAY NO-2

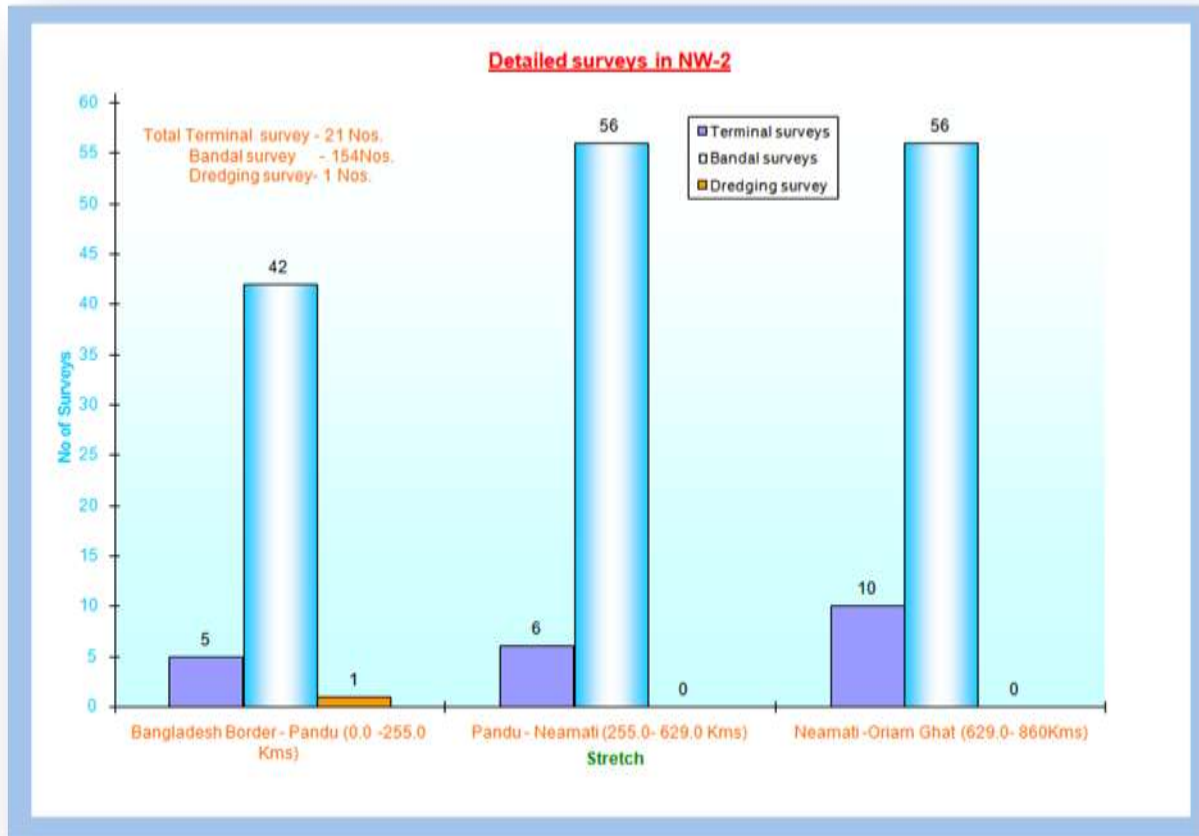
THALWEG SURVEYS

Thalweg surveys conducted departmentally on fortnightly basis and River Notices issued (both in English & Hindi). Total 15,480 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 155 shoal locations, details are given below:-



TERMINAL SURVEYS

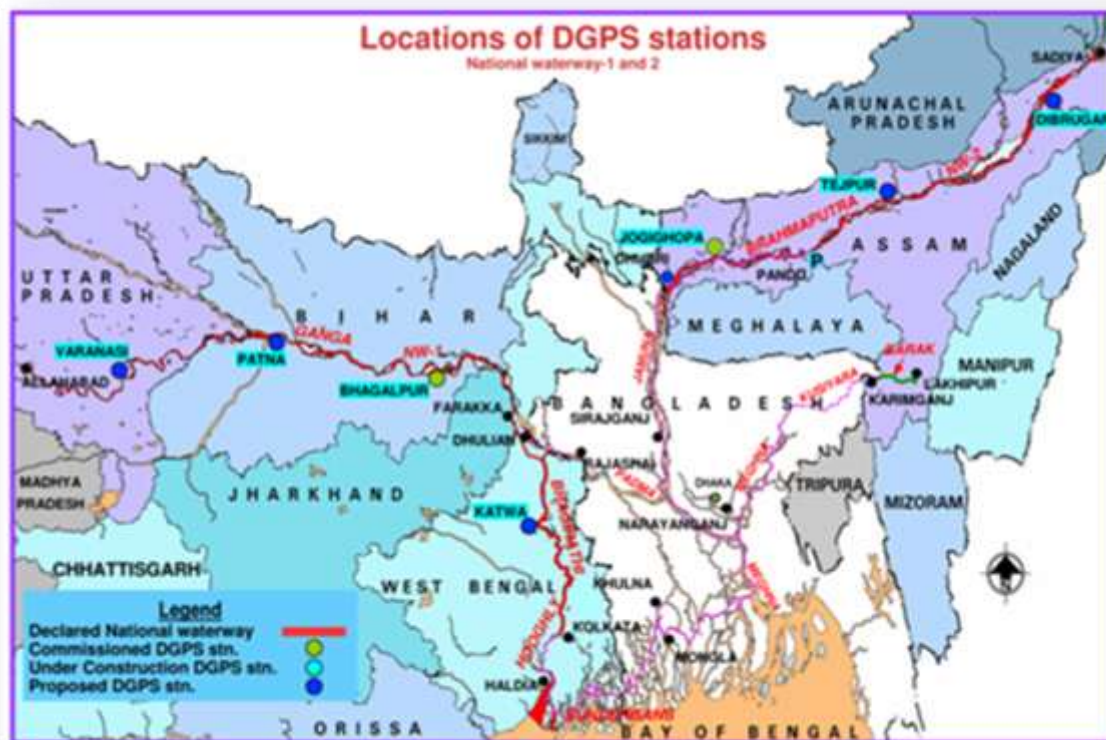
Terminal Surveys were carried out at Hathsingimari(2), Dhubri (32), Jogighopa (108), Pandu (255), Tezpur (423), Viswanath (470) Neamati (629), Matmara (697), Bogibil (735), Sengajan (772), Oakland (798), and, Oriyam Ghat (860).

OTHER SURVEYS

Cross section surveys were carried out in the Dhubri-Phulbari-Hathsingimari stretch at Jogighopa and Pandu-Ujanbazar stretches.

DGPS Based Navigation systems:-

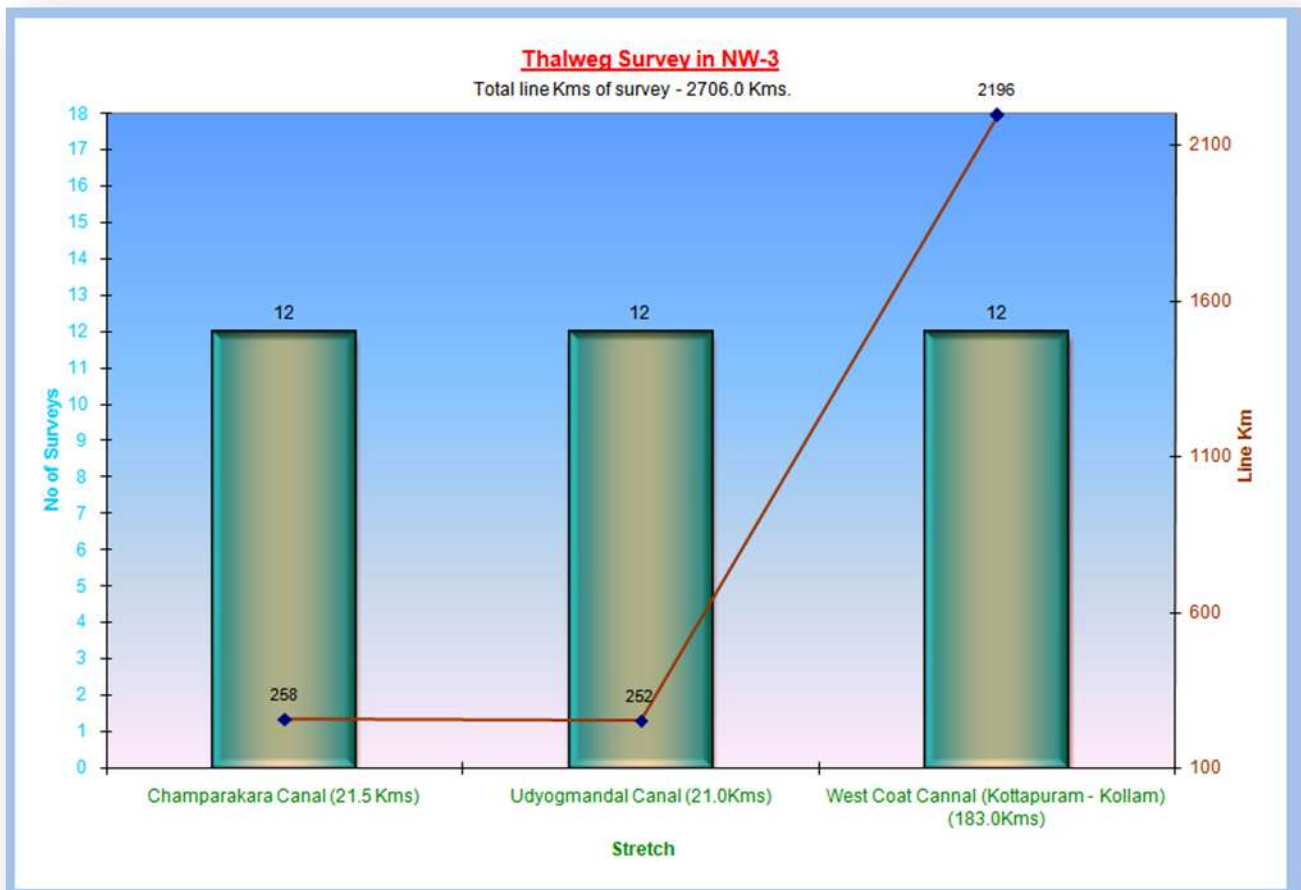
In order to make safe and efficient voyage of vessels plying in National Waterway-1 (the Ganga - Bhagirathi - Hooghly river system between Haldia and Allahabad) and National Waterway -2 (the Brahmaputra river between Sadiya and Dhubri), IWAI has sanctioned a scheme for setting up of Differential Global 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. These stations are planned in such a manner so as to get a radial coverage of 150 Km with sub-metre accuracy in position. The stations at Swaroopganj, Bhagalpur and Patna have been commissioned and are operational in NW-1. Similarly, stations at Jogigoppa is under operation in NW-2. Other stations are likely to be commissioned during next year after completing the civil work and electrical works. Besides, proposals for setting up an additional station at Dhubri has been sanctioned for facilitating safe and effective navigation in the Indo-Bangladesh Protocol routes.



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 2,706 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(Ch.3.5-4.0) Ro-Ro Jetty (Willingdone Island), Thevara jetty (Ch.9.0-10.0), Samranikodi to Dalavapuram (Ch.174.5-176.0), FACT Ambalamughal (Ch.23.5), Chavara (Ch.3.5-4.0) and terminal survey at Kollam Terminal (Ch.181.0)

9.0 SURVEY VESSELS & EQUIPMENT

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

National Waterway

No.1

1. S.L.Koel
2. S.L.Dwarkeswar
3. SL Megna
4. SL Anupallav
5. SL Kamla
6. SL.Ghaghra
7. S.L.Mandakini
8. S.L.Gandak
9. SL Punpun
- 10.SL Kosi
- 11.SL Rihand
- 12.SL Dihang

National Waterway No.2

1. S.L Lohit
2. S.L.Subansiri
3. S.L Barak
4. S.L.Buridihing
5. S.L.Dibang

National Waterway No.3

1. 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.



AUTOMATED HYDROGRAPHIC SURVEY SYSTEM & GPS VESSEL TRACKING SYSTEM ON BOARD SURVEY VESSEL

10. CARTOGRAPHIC CELL/SEMINARS

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. IWAI has participated in International Congress on Cartographic for Disaster Management organized by Indian National Cartographic Association on 15th to 17th October 2011. IWAI has also exhibited all navigation charts of National Waterways, river atlas, etc. in the exhibition held at the above venue.



IWT DELEGATES REPRESENTING VARIOUS COUNTRIES PARTICIPATED IN “WORLD WATER FORUM”

Sh. G. Prasanth, JHS has represented IWAI in the ‘World Water Forum 6’ held at Marseille, France from 12th to 16th March, 2012 and gave a presentation on “Indian Inland Waterways”. Scanning & digitization of old survey charts, survey reports & uploading in Data Management software at H.O Noida has been completed.

11.0 National Inland Navigational Institute (NINI), Patna.

The management and administration of NINI, Patna is under M/s. ARI Pvt Ltd, B-1, Hauz Khas, New Delhi in consultation with Program Advisory Committee. The major achievements during the year 2011-12 were as follows:-

- Basic safety courses namely Personal Safety and Social Responsibility, Elementary First Aid, Fire Prevention & Fire Fighting and Personnel Survival Techniques introduced in the Inland Water Transport Sector. Course curriculum, course material and equipment inspected for approval by DG Shipping.
- With the introduction of River Sea Vessel Concept the opportunity of Inland Vessel Certificate of Competency on River sea vessel opened up and then to upgrade their COC to NWKO. To facilitate transition of certified persons from IV sector to coastal sector course curriculum, teaching material developed and inspection by Directorate General of Shipping, Government of India arranged. The course has been approved and first course commenced on 15th April 2012.
- Introduced Training on use of DGPS, Radar, ARPA and ECDIS.
- Facilitated development of Boat Rules for Govt. of Bihar and thereafter developed course material to conduct a course for Motor Vehicle Inspectors to be able to inspect the boats for safe operations.
- Training program on Inland Water Transport with delegation from Netherlands conceptualized and

scheduled for next year 2012-13.

- Foundation Program for new supervisors who joined IWAI to effectively induct them in the organization covering organization structure and role, waterway development, marine and dredging concepts developed and organized.
- Training program on Dredging arranged at NINI in two phases namely Basic and Advanced course. The basic course has been conducted by Indian Domain Experts and the advance course has been conducted by experts from Training Institute in Dredging, The Netherland. Candidates from IWAI office, vessel crew & dredging staff and Ex Armed forces persons have been trained in both the courses.
- Training vessel Buxar for dredging was repaired and refurbished for training purposes and shall be used in the next training program on dredging.
- Dredging Simulator for simulating cutter suction dredging operation was procured and installed at NINI in August 2011 and same was effectively used for training in Basic Dredging Course.
- Training for 15th & 16th 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 15th & 16th 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 for handling Coal Cargo 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 II of Marine Simulation Centre was completed. Approvals to conduct Radar Observer's Course (ROC), Automatic Radar Plotting Aids (ARPA), Ship Maneuvering Simulator Course (SMS) and Liquid Oil Cargo Handling (Operaion) level course (LCHS) is being sought from Directorate General of Shipping.
- Quality renewal audit to maintain ISO 9001:2008 certificate conducted and same completed without non conformities.
- Organized participation of NINI trainees at Republic Day Parade at Patna and the contingent of NINI students was adjudged the best in parade and was awarded accordingly.
- Database of all the civilian trainees passed out from NINI updated. Arranged placement of trainees of rating Induction course Deck and Engine. The Training record books issued to trainees placed on various vessels as apprentices. NINI also started keeping a record of all the trainees on vessels with respect to their leaves, payments and the trainings by operating a separate placement cell.

- Mess committee formed where students manage the day to day running of mess including purchases, assistance in cooking on rotation basis under guidance of faculty and ARI Representative Modern kitchen equipments procured to renovate the canteen kitchen and a shed for housing the tandoor constructed.
- Trainees participated in National Maritime Celebration week taking out awareness campaigns, blood donation camps and cultural program.
- NINI was visited by following personnel during the year 2011-12.
 - Mr. Deepak Das (Member Finance) IWAI visited NINI as the Chief guest on the 5th of August 2011 for the POP of 15th Batch Induction Ratings.
 - Mr. Sunil Kumar (IAS) Vice chairman IWAI paid a small visit at NINI on 8th August and was appraised about the progress made at the Institute.
 - Mr. Sander Wobbolts (Project Manager STC BV), Netherlands visited NINI on 30th August 2011.
 - Mr. Harrie de Leijer (Director Stratgey NEA), Netherlands visited NINI on 30th August 2011.
 - Ms Bhupinder Prasad (IAS), Chairperson, IWAI Visited NINI on 16th of February, 2012.
 - Shri S.Dandapat (Ch.Engineer) In charge NINI (IWAI) Visited NINI at Various occasions i.e. July'11, Feb'12.



Fire Mock Up for conducting FPF Course

Summary of the courses conducted during the period :

Sl No.	Course	From	to	No. of trainees	Remarks
1	Induction course for Ratings Deck/Engine 15th Batch	Feb'11	Aug'11	48	Civilian
2	Serang Preparatory Course	13th June'11	23rd july'11	33	IWAI Staff
3	Engine driver preparatory course	13th June'11	23rd july'11	23	IWAI Staff
4	Refresher course for Inland Master	8th Aug'11	12th Aug'11	12	IWAI Staff
5	Engine Repair & Maintenance course	8th Aug'11	12th Aug'11	9	IWAI Staff
6	Induction course for Ratings Deck/Engine 16th Batch	Aug'11	Feb'12	33	Civilian
7	Elementary First Aid course for the 12th Batch trainees	4th Jan'11	6th Jan'11	29	Civilians
8	Induction Training For Supervisors	5th Sept'11	10th Sept'11	8	IWAI Staff
9	Marine Engineering Course for supervisors	12th Sept'11	17th Sept'11	8	IWAI Staff
10	Basic dredging Course	19th Sept'11	24th Sept'11	29	IWAI Staff
11	Advance Dredging Course	26th Sept'11	30th Sept'11	26	IWAI Staff
12	Enclosed Space Entry	Various		47	Fleet Management



Dredging Simulator Training in Progress

Marine Simulation Center

SN	Course	No. of Trainees
1	Bridge Team Management	20
2	Electronic Chart & Display System	38
3	Large Vessel Handling Simulator Course &	1
4	Risk Management Course	2



Marine simulation Center Phase II Completion

12.0 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 Port & IWT components of Kaladan Multimodal Transit Transport Project in Myanmar. The project is piloted and funded by MEA. An agreement between MEA and IWAI in this regard was signed on 19th March, 2009.

M/s ESSAR Projects (India) Ltd. is the main Contractor appointed by MEA for the Works being implemented in Myanmar under IWAI's supervision. During the year 2011-12, the construction activities at Sittwe progressed without interruption. M/s URS Scott Wilson India Pvt. Ltd, New Delhi continued to assist IWAI as Supervision Consultant during the year.

Reclamation of land for port's back up facilities at Sittwe progressed up to 90% during the year. Piling works for the approach trestles of Port & IWT jetties at Sittwe started in December 2011. Land for construction of IWT terminal at Paletwa was made available by the Govt. of Myanmar during February 2012. During the year, substantial progress was made by the Contractor in the design and preparation of drawings for the 300 T capacity cargo barges to be built. Detailed hydrographic survey in the Sittwe-Paletwa stretch of Kaladan River (158 kms) was carried out by IWAI during January-February 2012 by engaging a Myanmarese company. The overall physical progress of the works at Sittwe stood at 20% as in March 2012.

IWAI in its role of PDC maintained regular coordination with all relevant stake holders like MEA, Embassy of India-Yangon, Ministry of DoNER, Govt. of Myanmar, Contractors and Consultants for smooth implementation of the project. The PDC functions and the construction works progressed satisfactorily during the year.



Construction of approach trestle to the Jetty in progress



Birds' eye view of project site at Sittwe

13.0 Cargo movement during 2011-12

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. 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. IWT Directorate, Govt. of Assam, Assam is operating only 12 vessels in NW-2. There is acute shortage of cargo vessels.

IWAI has only 6 cargo vessels of which 3 vessels namely MV Rajgopalachari, MV Rabindranath Tagore and MV Lal Bahadur Shastri on voyage charter basis on NW-1, NW-2 and Indo-Bangladesh Protocol route. Further 3 vessels namely MV Homi Bhabha, MV Zakir Hussain and MV Vishweshariyya are allotted to private operators on bare boat charter basis through open tender for operation in NW-1, NW-2 and Indo-Bangladesh Protocol route.

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 2007-08, 2008-09, 2009-10, 2010-11 and 2011-12 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 2011-12 was 7.06 million ton (1529 million tons km) against 4.92 million ton (1299 million tons km) during the year 2010-11. The cargo movement on Goa Inland Waterways during the year 2011-12 was 43.28 million tons (2163 million tons km) against 54.5 million tons (2725 million tons km) during 2010-11. Cargo movement in Mumbai Waterways during the year 2011-12 was 19.98 million tons (1077 million tons km) against 14.88 million tons (803 million tons km) during 2010-11.

During the year 15.30 lakh MT cargo was exported from India to Bangladesh by IWT mode, out of which 15.18 lakh MT was fly ash. 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. Seventeen consignments of over dimensional heavy lift project cargo of 9407 MT from Kolkata to Zamania, Ballia, Fatua on National Waterway -1 and eight consignments of 6609 MT from Kolkata to Ashuganj in Indo-Bangladesh Protocol Route have been moved.

IWAI has initiated development of river cruises in the Ganges and facilitated the Inland Water Cruise Vessel MV Bengal Pandaw of M/s Heritage (formerly 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 2011-12. The cruise vessels have completed 19.5 trips between Kolkata - Semaria/Rajmahal/Patna/Buxar-Kolkata during the year carrying foreign tourists. M/s Assam Bengal Navigation Co., Brahmaputra Cruises Pvt. Ltd., are operating river cruises on NW-2. One new cruise vessel MV Mahabaahu has been put in service on NW-2 by M/s Far Horizon Tours in collaboration with Assam Tourism Development Corp. Ltd. Various house boats and tourist boats are plying in NW-3.

The transportation contract for 3 MMTPA imported coal from Sandheads to NTPC's thermal power plant at Farakka has been awarded to M/s Jindal ITF Ltd. Contractor has started construction work at Farakka end and also placed order for construction of vessels.

IWAI has prepared seven cargo specific projects entailing private investment of Rs. 2100 crore for increasing use of already available **Dedicated Freight Corridors** i.e. National Waterways. These projects are being monitored by the Prime Minister's Office.

Inland Waterways Authority of India (Levy and Collection of Fee and Charges) Regulation, 2011 has been notified w.e.f. 16th July 2011. Revenue of Rs. 3.51 crore has been received from IWT users for using national waterways and other infrastructure provided by IWAI.

INLAND WATERWAYS AUTHORITY OF INDIA
CARGO MOVEMENT FOR National Waterways-1, 2 & 3, Goa and
Mumbai Waterways 2006-07 to 2011-12

-----Excel Sheet -----

14. Excel File Name Annexure -A (Cargo)

15. FINANCIAL PERFORMANCE

A. INCOME & EXPENDITURE

During the financial year 2011-12 a sum of Rs.13,056/- lakhs was received from the Government of India, Ministry of Shipping and a sum of Rs.666.86 lakhs was earned by the Authority by way of interest on short term deposits, sale of tender forms, over dimension Cargo/general Cargo movement, berthing/Pilotage chargers etc. The major scheme-wise expenditure is indicated below:

(Rs. in Lakhs)

Sl. No.	Name of the scheme	Expenditure	
		Previous Year 2010-11	Current Year 2011-12
1.	Technical Studies	50.00	100.00
2.	Loan Interest Subsidy / IVBBS	68.46	131.54
3.	National Waterway No-1		
	a. River Conservancy Works	2,395.00	2,967.51
	b. Construction of Cargo berth	1,377.55	89.00
	c. Construction of Dredgers & allied vessels	761.45	1,347.36
	d. Procurement of Cargo Vessel	-35.03	-
	e. Procurement of steel Pontoon	125.65	-
	f. Construction of office Building	341.97	124.80
	g. Procurement of Survey Equipment	16.66	-
	h. Installation of Night Navigation	-	-
	i. Installation of DGPS Station	395.60	69.81
	j. Procurement of multipurpose Tug	-419.89	-
4.	National Waterway No-2		
	a. River Conservancy Works	1,467.28	961.17
	b. Construction of Terminal	941.70	1,050.65
	c. Construction of Hy Surface dredger & Dry Dock	(-) 281.99	-
	d. Construction of Dredgers & allied vessels	830.42	181.45
	e. Procurement of DGPS	237.77	122.85
	f. Construction of steel Pontoon	203.82	-
	g. Acquisition of multi purpose Tug	56.90	482.64
	h. Acquisition of cargo vessel	20.08	-
	i. Construction of office Building	150.00	310.72
	j. Construction of NINI hostel	125.00	2,537.70

Sl. No.	Name of the scheme	Expenditure	
		Previous Year 2010-11	Current Year 2011-12
5.	National Waterway No-3		
	a. Development works	903.17	1,051.69
	b. Construction of Terminals	1,089.08	1,463.45
	c. Procurement of Survey Equipments	6.95	-
	d. Procurement of Dredging unit	396.92	78.27
6.	Loss on fixed assets	0.11	-
7.	Training of IWT Personnel including NINI	-	-
8.	I.T. activities expenses	70.31	17.11
9.	IWT Development Fund	168.06	156.88
10.	Establishment (including I. Tax)	2,239.72	1,780.00
	Total	13,702.72	15,024.60

B. Source And Application of Funds:-

(Rs. in lakhs)

Sl. No.	Name of the scheme	Expenditure	
		Previous year 2010-11	Current year 2011-12
	SOURCE		
1.	Increase in Capital grant	6,651.06	8,288.25
2.	Decrease in working capital	-	223.30
3.	Excess of income over expenditure for the year	-	-
4.	Decrease in capital working progress	1,582.20	-
	Total	8,233.26	8,511.55
	APPLICATION		
1.	Increase in fixed assets	7,126.75	4785.47
2.	Increase in capital work in progress	-	3726.08
3.	Increase in working capital	1,106.51	-
	Total	8,233.26	8511.55

C. CASH FLOW STATEMENT

(Rs. in akhs)

	F.Y. 2010-11	F.Y. 2011-12
CASH FLOW FROM OPERATING ACTIVITY		
Excess of expenditure over Income	(6,490.36)	(6,532.26)
Capital Reserve	-	96.68
Deprecation	1,796.32	1,979.13
Replacement Reserve	(1,796.32)	(1,979.13)
Interest Paid	-	-
Less: Interest Income	(171.69)	(244.14)
Add.: Writeoff/Loss on sale of Fixed assets/Less: Profit on sale	0.11	(1.87)
Provision for Obselence of stock	-	-
Provision for employee benefits charged to opening reserves	-	-
Operating Profit	(6,661.94)	(6,681.59)
Adjustment for working capital changes		
Decrease/Increase in stocks	(27.61)	14.21
Decrease/Increase in loans & Advances	(802.01)	(125.38)
Increase/Decrease in Deposits on A/c of others	225.00	286.67
Increase/Decrease in current liabilities	2,356.52	(1,861.37)
Decrease/Increase in other liabilities and provisions	(1,038.48)	(588.06)
Cash generated from operations	(5,948.52)	(8,955.52)
Income Tax (Net)	-	-
Net Cash from Operating Activities	(5,948.52)	(8,955.52)
CASH FLOW FROM INVESTING ACTIVITY		
Purchase of Fixed Assets and Decrease in CWIP / increase in CWIP	(5,481.76)	(8,745.96)
Sale of Fixed Assets	-	234.42
Profit on sale of Assets	-	1.87
On account of Replacement Reserve	-	8.09
Govt. Grant Received	14,347.43	15,474.45
Interest Income	171.69	244.14
CASH FLOW FROM INVESTING ACTIVITY (b)	9,037.36	7,217.01
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	3,088.84	(1,738.51)
Cash & Cash equivalents at the beginning of the year	1,975.99	5,064.84
Cash & Cash equivalents at the end of the year	5,064.83	3,326.33

16. Personnel and Administration

As on 31-03-2012, 37 Officers & 65 staff at the head office and 49 Officers & 174 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 fortnight/week/day 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/-
(VISHWAPATI TRIVEDI)
CHAIRPERSON

Place : NOIDA

Date :

OTHER SCHEDULES
&
AUDIT REPORT

Schedule - VII**NOTES FORMING PART OF ACCOUNTS AS ON 31.03.2012**

- 1) Capital work in progress amounting to Rs. 15,869.04 lakhs (previous year Rs. 12,137.08 lakhs) consists of following:

Sl. No.	Name of Party	Purpose	Amount
1.	Neptune Marine (P) Ltd.	Construction of Work boats	107.95
2.	HDPE - Kolkata	Construction of cargo vessels	429.78
3.	CPWD - Guwahati	Construction of high level jetty Pandu	2,861.51
4.	HDPE - Kolkata	Construction of Hy. Surface dredger	603.07
5.	CPWD - Kerala	Construction of terminals in NW-3	668.75
6.	CPWD - Patna	Construction of high level jetty at Gaihat	2,645.41
7.	NSDRC	Design and modification of Hy. Surface dredger	5.40
8.	M/s. Startek. (P) Ltd.	Construction of dredgers and Work Boats	309.40
9.	M/s Tebma Shipyards Ltd.	Construction of dredgers	747.07
10.	HDPE - Kolkata	Construction of Work Boat	1,951.00
11.	CPWD-Allahabad	Construction of Allahabad terminal	46.00
12.	NF-Railway	Construction BG siding at Pandu	973.00
13.	Elcome Marine Service (P) Ltd.,	Supply of DGPS	224.89
14.	CPWD - Kolkata	Construction of GR Jetty	2,681.94
15.	A. C. Roy & Co.	Construction of Multi purpose tug	473.67

16.	PWD - Assam	Construction of Jogighopa terminal	95.04
17.	CPWD - Bhagalpur	Construction of Bhagalpur terminal wall	19.10
18.	M/s A.C.Roy & Co.	Construction of Dumb Anchor Pontoons	1.95
19.	M/s Mojmul Islam	Construction of Jogighopa Terminal	31.78
20.	M/s A. C. Roy & Co.	Construction of High Power Tug	426.60
21.	M/s Aquamec Ltd.	Supply of Amphibian Dredger	339.02
22.	M/s A. C. Roy & Co.	Construction of WB Mogra	72.33
23.	M/s A. C. Roy & Co.	Construction of CSD Mondavi	3.81
24.	M/s D. P. Sharma	Boundary Wall	34.80
25.	IRS	Construction of Work Boat	8.01
26.	CPWD - Patna	Construction of Dormitory at NINI	44.07
27.	CPWD - Patna	Construction of Annexe Building at NINI	1.73
28.	CPWD - Patna	Construction of Swimming Pool at NINI	1.03
29.	CPWD - Guwahati	Construction of office Building	0.51
30.	CPWD - Guwahati	Development of Pandu Port, Drains, etc.	40.28
31.	M/s Anurag enterprises	Construction of office Building at Noida.	20.14
Grand Total			15,869.04

2) During the year 2011-12, the Authority has incurred the following expenditure in respect of chairperson and full time Members::

Salary	House Rent	Leave Salary & pension contribution	Medical reimbursement	Travelling Expenses		Total
				Foreign	Inland	
7082827	142500	1099361	74108	1382305	933986	10715087
Previous Year-						
4918150	392116	1255655	51454	460213	2749367	9826955

During the year Chairperson has visited with Indian delegation to China from 23rd – 28th May 2011, Member (Finance) has visited Finland from 16th – 22th May 2011 for inspection of dredger and Member (Traffic) has visited (i) United State of America from 13th – 16th September 2011 for

participation in the smart Rivers 21 conference of PIANC. (ii) Dhaka from 12th – 13th February 2012 for 14th Standing Committee Meeting under protocol on Inland Water Transport.

- 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 Kolkata 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 filed appeal with CIT (Appeals) Ghaziabad, and the same has been dismissed. Authority has filed further appeal with ITAT, New Delhi against the order of CIT. ITAT, New Delhi has passed orders to CIT (Appeals) to hear the case and review decision. CIT (Appeals) again dismissed the appeals and Authority has filed 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 & is still pending. However, appeal for A.Y 1990-91 is still pending with CIT (Appeals).
 - ii. ACIT Noida has also imposed penalty in response to fresh assessment orders and raised demand. An appeal against the said penalty order was also filed with CIT (Appeals), Ghaziabad, and same was dismissed. Authority has filed appeals with ITAT, New Delhi against the order of CIT (Appeals) and same was disposed by ITAT as allowed for statistical purposes. ACIT Noida has been asked to refund the penalty 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) (C) in view of ITAT direction is required. Against the order of ACIT, Noida, Authority has filed an application with ACIT, Noida under section 154 to review the matter as per direction of ITAT, New Delhi which is still not disposed off.
 - 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. The Authority has been granted exemption u/s 10 (23C) (iv) from the Assessment year 2011-12 onwards from the Income Tax Department vide CCIT letter dt. 27.05.2011.
- 5) A sum of Rs. 3469.26 lakh including interest Rs.61.19 lakh (previous year 2863.76 lakh) towards

cost of land for 11 terminals and land for widening of narrow canal made as advance to Govt. of Kerala. Out of above 12.3809 hect. Of land were capitalized for Rs.2066.42 lacs till March, 2012 (includes Alapuzha terminal land of 2.2550 hect. Costing 170.84 lakh). Authority is liable to pay interest and also enhancement of cost on land acquired as per the orders of H'ble courts.

- 6) A sum of Rs. 3198.71 lacs including Alapuzha terminal , has been paid as advance to CPWD. A sum of Rs.1191.60 lakh has been capitalized till date. The expenditure incurred till date Rs. 668.75 lakh for the construction of Kollam Terminal(509.09 lakh), Alapuzha terminal(97.77 lakh)and Chavara(9.45 lakh), Kakkanadu terminal (49.88 lakh),Kayamkulam(2.56 lakh) have been shown as capital work in progress till current year. In addition an amount of Rs. 43.00 lakh paid for construction/extension of Maradu office complex in current year.
- 7) A sum of Rs 1,660.00 lakhs (previous year Rs. 1,660.00 lakhs) paid as deposit to Cochin port trust for construction of jetty at Bolghatty and Willingdon island. An amount of Rs1,380.38 lakhs (previous year Rs.1,570.00 lakhs) has been capitalized.
- 8) A sum of Rs. 2,862 lakhs (previous year Rs.2,773 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. 2,645.41 lakhs (previous year Rs. 1,933.51 lakhs) has been charged to Capital works in Progress.
- 9) A sum of Rs. 3,332.00 lakhs (previous year Rs. 3,332.00 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. 2,861.51 lakhs (previous year Rs.2,557.69 lakhs) has been charged to capital works in progress.
- 10) A sum of Rs. 1,254 lakhs (previous year Rs. 1,254 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.973.00 lakhs (previous year Rs.552.45 lakhs) has been shown as capital works in 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 without 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.34.47 lakhs towards loss of Buoys and Lights including penal interest since 2004. Insurance Company has agreed for Rs. 23.93 lakhs only. Decision of Oriental Insurance Company is not acceptable to Authority and Authority has again asked the insurance company to settle the claim immediately.
- 15) 47 nos. of Buoys with chair, anchor and accessories and 7 day marks have been lost at Kolkata region during 2002-2003. Authority has lodged the insurance claim of Rs. 28.91 lakhs. Settlement reply from insurance company is awaited.
- 16) During March 2005, the Authority has signed agreement with M/s HDPEL, Kolkata for construction and delivery of Floating Dry Dock at a cost of Rs. 873 lakhs excluding taxes and cost of spare parts. The Authority has cancelled the contract and the amount released to HDPEL, Kolkata of 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.
- 17) 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 Lakhs has been released including Rs.53.98 lakhs against Bank Guarantee. In the F.Y. – 2008-09, Bank Guarantee of Rs.53.98 lakhs has been invoked and fund received. Due to non compliance of Contract terms and conditions, 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' can not register. Hence the vessel is not capitalized.
- 18) 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 50% share in the initial corpus of the Project Development Fund for undertaking development of Projects. The contributed amount has been shown as investment.
- 19) 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. During the year an amount of Rs.227.95 lakhs (previous year Rs. 254.55 lakhs) has been incurred as expenditure and an amount of Rs.49.20 lakhs received as interest from Bank on the project by the Authority.

- 20) Authority has taken three numbers 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 31.03.2012, the fund for pension Rs. 3,865 lakhs, gratuity Rs.639.67 lakhs and for leave encashment Rs.486.97 lakhs is required.

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. As per IWAI employees Pension Fund account, a fund of Rs.3904.83 lakhs (including Rs.152.48 lakhs provision), Rs. 640.02 lakhs available with trust for pension and gratuity fund respectively and Rs.491.14 lakhs available with LIC for Leave encashment fund. Since funds are adequate as on 31.03.2012, no provision is made in the accounts for 2011-12.

- 21) Authority has entered into share holders agreement in three JV projects with three companies namely (i) M/s Royal Logistics (ship) Ltd., Kolkata (ii) M/s SKS Waterways Ltd., Kolkata and (iii) M/s Vivada Logistics Pvt. Ltd. Kolkata. As per Share holders agreement with M/s Royal Logistics (ship) Ltd, Kolkata and M/s SKS Waterways Ltd, Kolkata the initial authorized share capital of 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 lakh each as initial authorized share capital in M/s Royal Logistics (ship) Ltd., Kolkata and M/s SKS Waterways Ltd. Kolkata.
- 22) 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 filed an appeal in High court Kerala against decision of Corporation of Kochi.
- 23) 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 vessel 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.

- 24) A MOU was entered with M/s ARI, Delhi for setting up maritime simulator centre at NINI, Patna. As per MOU, the Capital cost of simulator will be shared between IWAI and ARI in the ratio of 50:50 each and net revenue after running expenses shall also be shared equally. During the year, the total cost of simulator has been capitalized and cost incurred by M/s ARI Rs. 1,04,76,800/- shown as capital reserve and depreciation has been provided.
- 25) Office space expansion of Head Office building on IIIrd floor is provided to Directorate General of Shipping, Mumbai (6591.72 sq feet area @ 100 per sq feet). During the year a sum of Rs. 2.00 Crores has been received and same used for construction of Building. An expenditure of Rs.76.08 lakhs has been incurred (advance to contractor Rs.55.94 lakhs and CWIP Rs.20.14 lakhs). As per terms & conditions, the fund provided by Directorate General of Shipping will be adjusted against rent for a period of 6 years.
- 26) Authority has received grants under different budget heads in Plan and Non-Plan Rs.130.56 crores during the F.Y. 2011-12. Surplus fund of Rs. 21.64 crores as on 01.04.2011 was also available with the authority in current financial year. During the year the Capital expenditure of Rs.82.12 crores and revenue expenditure of Rs.63.04 crores has been incurred by the authority.
- 27) Annual Accounts of the authority prepared on the format approved by the Ministry of Shipping in consultation with C&AG since inception of the Authority.
- 28) Bank guarantees valued at Rs.3,143.88 lakhs (previous year Rs.1,204.80 lakhs) and Euro 61,423.20 have been received from the contractors / suppliers towards security deposit, Earnest money and mobilization advance against the works / contracts awarded to them till 31st March 2012.
- 29) 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%.
- 30) Re-grouping and re-classification has been done where considered necessary.
- 31) 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)
Executive Director (Fin.)

(Deepak Das)
Member (Finance)

(Bhupinder Prasad)
Chairperson

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 lower of cost and net realizable value

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)
Executive Director (Fin.)

(Deepak Das)
Member (Finance)

(Bhupinder Prasad)
Chairperson

AUDIT REPORT OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA ON THE ACCOUNTS OF INLAND WATERWAYS AUTHORITY OF INDIA FOR THE YEAR ENDED 31 MARCH 2012

We have audited the attached Balance Sheet of Inland Waterways Authority of India (Corporation) as at 31 March 2012 and the Income and Expenditure Account for the year ended on that date under section 23 of the Inland Waterways Authority of India Act, 1985 (IWAI Act, 1985) and Rule 28(3) of the Inland Waterways Authority of India Rules, 1986 (IWAI Rules, 1986) as amended in 2002 vide Notification No. GSR 449 dated 10 October 2002. These financial statements include the accounts of units/branches of the Corporation. These financial statements are the responsibility of the Corporation's management. Our responsibility is to express an opinion on these financial statements based on our audit.

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

Based on our audit, we report that;

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

Balance Sheet

Capital & Liabilities

Current Liabilities & Provisions

Liabilities for Expenses — ₹ 13.93 crore

The above does not include an amount of ₹ 0.48 crore due to non-provision of liability towards the interest demanded by the Kolkata Port Trust on account of delayed payment of lease rentals for the earlier lease period. This has resulted in understatement of 'Liabilities for expenses' by ₹ 0.48 crore and overstatement of 'Grant Received in Surplus' to the same extent.

- (iv) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet and Income and Expenditure Account dealt with by this report are in agreement with the books of accounts.
- (v) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts and subject to the significant matters stated above and other matters mentioned in Annexure-I to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
 - a) In so far as it relates to the Balance Sheet, of the state of affairs of the Corporation as at 31 March 2012; and

b) In so far as it relates to the Income and Expenditure Accounts, of the Income/Expenditure for the year ended on 31 March 2012.

Place : New Delhi

Dated : 16 November 2012

Sd/-
(Ila Singh)
Principal Director of Commercial Audit,
& ex-officio Member, Audit Board-I
New Delhi

Annexure - I

1. Internal Audit System :

The Internal Audit is conducted periodically by a Chartered Accountancy firm and audit reports are submitted to the management on quarterly basis. The scope of the work and periodicity of the Internal Audit is commensurate with the size and nature of the organization. However, the compliance of internal audit reports needs to be monitored more effectively.

2. Internal Control System :

In view of the following deficiencies observed during the test check, the internal controls needs to be strengthened further:

- a) Confirmation was not obtained in respect of balances appearing under Sundry Debtors, Deposits, Loans and Advances and Sundry Creditors.
- b) Non-insurance of fixed assets other than vehicles and lighted buoys.
- c) Advances received / paid were lying outstanding / unadjusted pending reconciliation.

3. System of Physical verification of fixed assets :

Test check of records revealed that physical verification of fixed assets was not conducted at Head Office, Noida. Test check further revealed that Fixed Assets Register was not maintained / updated at Head Office.

4. System of physical verification of inventory :

Physical verification of inventories was conducted periodically.

5. Regularity in payment of statutory dues :

Timely deposit of statutory Dues to Government Accounts and submission of returns needs to be strengthened.

**Management Reply on Comments contained in C&AG Audit report
on the Annual Accounts for the year ended 31st March' 2012**

A. Audit Report

(iii) Liabilities for Expenses – Rs.13.93 crores

Demand of KOPT of Rs.48.43 lakh on account of interest on outstanding dues towards lease rent for land at old BISN Jetty area at Garden reach road will be reviewed in Head Office and considered in Annual Accounts for the F.Y. 2012-13.

B. Annexure-1

1. Internal Audit System :

Authority has engaged Chartered Accountant firm for Internal Audit of the Authority and compliance of Audit observation will be monitored more effectively through the Internal Auditors.

2. Internal Control System :

In view of the following deficiencies observed during the test check, the Internal control needs to be strengthened further:

- a) Confirmation of outstanding balances under sundry debtors, deposits, loans and advances and sundry creditors has been ensured in Head Office. In Field Offices, the same will be ensured in F.Y. 2012-13
- 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 each financial year. In the current year, same will be reviewed again.

3. System of Physical verification of fixed assets :

For Updation of fixed assets register and physical verification of fixed assets thereon action is being taken by Admn. Division at Head Office.

4. System of Physical verification of Inventory :

Need no comments.

5. Regularity in payment of statutory dues :

Statutory dues to Government Accounts and submission of return are ensured in time.

INLAND WATERWAYS AUTHORITY OF INDIA

BALANCE SHEET AS ON 31ST MARCH 2012

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
	<u>CAPITAL</u>					<u>FIXED ASSETS</u>	II		
94,37,244	Capital u/s 11(i)(c)		94,37,244		3,84,69,49,729	Gross Block		4,32,54,96,709	
6,00,61,06,920	Capital Grant u/s 18		6,83,49,31,808		(93,43,55,190)	Less Depreciation		1,13,70,06,102	
(93,08,92,046)	Less replacement reserve		(1,13,27,34,406)			Net Block		-	3,18,84,90,607
(67,39,050)	Lease rent written off		(71,52,956)	5,70,44,81,690	2,91,25,94,539				
	<u>RESERVES & SURPLUS</u>								
34,63,144	Capital Reserves		1,39,39,944		2,65,82,684	Lease land		2,65,82,684	
(34,63,144)	Deduction		(42,71,696)	96,68,248	(67,39,050)	Less written off		(71,52,956)	1,94,29,728
	General Reserves				1,21,42,96,627	Capital work-in-progress			1,58,69,04,251
	Deduction				53,00,000	<u>INVESTMENTS (AT COST)</u>		53,00,000	53,00,000
						Govt. Securities		-	-
						- other than Govt. Securities		-	-
	<u>BORROWINGS</u>					<u>CURRENT ASSETS, LOANS & ADVANCES</u>	III		
	<u>CURRENT LIABILITIES & PROVISIONS.</u>					Stores, Spares & Tools (At Cost)		4,71,09,536	
						- Sundry Debtors		-	
						Deposits, Loans & Advances		98,54,33,857	
42,13,78,779	Current Liabilities	I	30,06,35,944		97,28,95,842	Cash & Bank Balances		33,26,32,574	1,36,51,75,967
7,62,82,879	Provisions		1,74,77,233		50,64,84,058				
10,43,70,247	Deposits held on account of others		13,30,37,438	45,11,50,615		<u>MISC. EXPENDITURE</u>			
						- Income & Expenditure Account (Debit Balance)			-
5,67,99,44,973	TOTAL			6,16,53,00,553	5,67,99,44,973	TOTAL			6,16,53,00,553

Schedule I to VIII form an integral part of accounts.

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)

(DEEPAK DAS)
Member (Finance)

(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA
INCOME & EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2012

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							
13,96,18,613	Pay & Allowances & other staff costs		10,08,54,613		65,04,93,933	Revenue Grant from Govt			65,32,25,606
					1,71,69,695	Interest/ Income			2,44,13,887
					3,84,167	Consultancy fees			-
					16,277	Storage & Handling Charges			1,23,346
					36,669	Wharfage			-
					10,13,945	Demurrage			-
2,32,57,154	Surveying		7,45,77,598		46,91,829	Pilotage Charges			1,58,750
					1,89,27,405	Berthing Charge			21,04,393
11,91,91,388	Dredging		17,79,79,482		-	Others			49,18,959
4,54,17,839	Bandalling		3,78,79,446		-	Misc. Receipts			3,47,79,994
-	Aids to Navigation & Channel Marking		1,12,41,586		-	Rent terminal			-
1,05,42,131	Barging				-	Capital reserve as per Contra			-
2,82,80,084	Terminal Facilities		3,69,18,588		17,98,21,737	Replacement reserve as per Contra			19,79,13,351
5,27,16,864	Repairs of Vessels		2,97,86,259		-	Profit on sale of fixed assets			1,86,956
1,94,40,273	Training Institute NINI		2,34,25,478						-
8,10,12,118	Night Navigation		5,99,36,656						-
-	Maintenance of lock		-						-
1,15,17,669	Bank Protection		4,40,000						-
-	River Training Work		1,40,22,681						-
67,71,264	Protocol								-
2,98,78,152	Other Administrative & Misc. Expenses		2,36,28,987	59,06,91,374					-
	ADMINISTRATIVE EXPENSES								
7,37,34,472	Pay & Allowances & Other Staff Costs	V		5,83,97,953					
1,63,30,947	General & Other Expenses	VI		2,01,47,975					
	Financing Charges								
3,79,178	Bank Commission/Charges			3,18,815					
	Interest								
	Research & Development Expenses								
	Bad debts written off								
	Foreign Exchange								
1,04,86,521	Technical Studies & Consultancy Charges			1,50,31,852					
-	BOT Expenses								
17,98,21,737	Depreciation			19,79,13,351					
68,46,000	Subsidy			1,31,54,000					
11,000	Loss on sale/ valuation/ written off of assets								
1,68,05,698	IWT Promotional Activities			1,56,88,062					
-	Income tax								
4,96,555	Prior Period Adjustment account			64,81,860					
87,25,55,657	TOTAL			91,78,25,242	87,25,55,657	TOTAL			91,78,25,242

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

CURRENT LIABILITIES & PROVISIONS AS ON 31.03.2012

Previous year (Rupees)	Particulars	Current Year (Figure in rupees)	
	A) CURRENT LIABILITIES	-	
64,97,984	(i) Liability for sundry Creditors	74,63,052	
10,96,05,353	(ii) Liability for Expenses	13,93,00,006	
21,63,62,258	(iii) Grant Received in surplus	6,53,94,139	
8,89,13,184	(iv) Others	8,84,78,747	30,06,35,944
	(B) PROVISIONS		
69,35,107	(i) Provision for Gratuity	-	
11,03,068	(ii) Provision for Leave Salary & pension contribution (Deputation)	10,99,361	
10,34,538	(iii) Provision for Bonus	10,52,009	
6,25,83,086	(iv) Provision for pension & gratuity contribution	1,52,48,000	
46,22,673	(iv) Provision for leave encashment.	-	-
4,407	(v) Provision for new pension	77,863	1,74,77,233
	(C) DEPOSITS HELD ON ACCOUNT OF OTHER		
10,43,70,247	Sundry parties	13,30,37,438	13,30,37,438
60,20,31,905	TOTAL		45,11,50,615

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)

(DEEPAK DAS)
Member (Finance)

(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2012

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2011	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2012	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2012	NET BLOCK AS ON 31.03.2012
						AS ON	FOR THE			
						31.3.2011	YEAR			
					(3+4+5)	31.3.2011	YEAR		(7 + 8 + 9)	(6 - 10)
					6	7	8	9	10	11
NOIDA	Survey Equipment	44,90,899	-		44,90,899	24,32,199	2,13,318		26,45,517	18,45,382
	Vehicles	27,32,964	-	(8,19,951)	19,13,013	20,88,208	1,81,736	(8,04,714)	14,65,230	4,47,783
	Furniture & Fixture	39,88,818	5,47,319		45,36,137	29,38,988	2,73,846		32,12,834	13,23,303
	Office Equipment	23,91,415	6,47,482		30,38,897	9,93,819	1,44,348		11,38,167	19,00,730
	Electric Installation	11,28,526	-		11,28,526	6,52,705	53,605		7,06,310	4,22,216
	Air Conditioners	33,77,527	-		33,77,527	17,28,771	1,60,433		18,89,204	14,88,323
	Water Coolers & Refrigerators	1,38,486	-		1,38,486	52,533	6,578		59,111	79,375
	Fans & Air-Coolers	11,61,264	7,790		11,69,054	6,70,826	55,530		7,26,356	4,42,698
	Generator Set	11,48,720	-		11,48,720	5,61,717	54,564		6,16,281	5,32,439
	Cycle	27,711	-		27,711	19,341	1,959		21,300	6,411
	Temporary Structure	5,39,260	-		5,39,260	5,39,260	-		5,39,260	-
	Library Books	8,75,291	24,288		8,99,579	8,75,291	24,288		8,99,579	-
	Computer	1,57,60,343	1,77,246		1,59,37,589	1,57,27,322	2,10,267		1,59,37,589	-
	Communication equip.	7,78,471	-		7,78,471	3,04,229	36,977		3,41,206	4,37,265
	Building	2,49,37,527	-		2,49,37,527	48,77,784	4,06,482		52,84,266	1,96,53,261
	Computer Software	10,94,783	1,59,603		12,54,386	6,88,367	2,03,336		8,91,703	3,62,683
	Residence Quarter	3,07,32,753	-		3,07,32,753	45,08,496	5,00,944		50,09,440	2,57,23,313
	TOTAL (A)	9,53,04,758	15,63,728	(8,19,951)	9,60,48,535	3,96,59,856	25,28,211	(8,04,714)	4,13,83,353	5,46,65,182
CALCUTTA	Terminal	3,73,20,571	-		3,73,20,571	1,49,99,409	17,72,727		1,67,72,136	2,05,48,435
	Vehicles	12,13,641	-		12,13,641	11,54,730	5		11,54,735	58,906
	Furniture & Fixture	7,58,166	4,82,368		12,40,534	3,92,057	61,984		4,54,041	7,86,493
	Office Equipment	5,01,354	9,190		5,10,544	1,76,112	20,668		1,96,780	3,13,764
	Electric Installation	48,113	19,776		67,889	8,636	3,226		11,862	56,027
	Survey Instruments	2,27,03,941	-		2,27,03,941	98,99,552	7,73,345		1,06,72,897	1,20,31,044
	Library Books	1,11,122	8,959		1,20,081	1,11,122	8,959		1,20,081	-
	Speed Boats	29,61,016	-		29,61,016	21,94,953	1,10,180		23,05,133	6,55,883
	Vessels Ordinary	15,78,57,969	-		15,78,57,969	5,55,19,804	52,70,803		6,07,90,607	9,70,67,362
	Fans & Air Coolers	54,043	15,400		69,443	23,818	3,144		26,962	42,481
	Communication Network	4,50,413	-		4,50,413	2,34,766	21,395		2,56,161	1,94,252
	Barges	11,32,82,701	69,26,400		12,02,09,101	1,31,11,593	40,14,984		1,71,26,577	10,30,82,524
	Cycles	5,975	-		5,975	2,466	373		2,839	3,136
	Vessel Dredging Unit	9,70,21,575	10,81,25,087	(85,11,776)	19,66,34,886	7,12,99,426	89,47,222		8,02,46,648	11,63,88,238
	Computers	18,39,953	3,47,048		21,87,001	14,65,919	2,18,716		16,84,635	5,02,366
	Computers Software	11,04,784	-		11,04,784	8,51,024	1,79,086		10,30,110	74,674
	Night Nav. Equipment	2,02,95,679	40,76,014	5,61,439	2,49,33,132	54,30,127	11,84,325	9,41,481	75,55,933	1,73,77,199
	Air Conditioner	91,550	43,800		1,35,350	17,592	6,572		24,164	1,11,186
	Generator Set	22,100	5,86,257		6,08,357	6,300	28,897		35,197	5,73,160
	DGPStation	-	1,42,15,359		1,42,15,359	-	6,75,230		6,75,230	1,35,40,129
	TOTAL (B)	45,76,44,666	13,48,55,658	(79,50,337)	58,45,49,987	17,68,99,406	2,33,01,841	9,41,481	20,11,42,728	38,34,07,259

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2012

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2011	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2012	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2012	NET BLOCK AS ON 31.03.2012
						AS ON 31.3.2011	FOR THE YEAR			
					(3+4+5)	31.3.2011	YEAR		(7 + 8 + 9)	(6 - 10)
1	2	3	4	5	6	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	7,99,838	41,931	-	8,41,769	44,306
	Furniture & Fixture	4,49,775	37,689	-	4,87,464	3,82,367	30,856	-	4,13,223	74,241
	Office Equipment	2,79,161	84,500	-	3,63,661	2,30,754	17,274	-	2,48,028	1,15,633
	Electric Installation	37,801	-	-	37,801	29,619	248	-	29,867	7,934
	Air Conditioners	1,33,348	-	-	1,33,348	60,745	6,334	-	67,079	66,269
	Fans & Air Coolers	32,925	-	-	32,925	31,279	-	-	31,279	1,646
	Water Coolers & Refrigerators	10,249	-	-	10,249	9,737	-	-	9,737	512
	Generator Set	61,962	-	-	61,962	60,649	-	-	60,649	1,313
	Survey Instruments	2,12,36,736	62,270	-	2,12,99,006	1,20,65,464	10,11,703	-	1,30,77,167	82,21,839
	Vessels: Dredging Unit	31,32,81,752	1,48,72,896	-	32,81,54,648	17,86,12,160	2,29,70,825	57,26,061	20,73,09,046	12,08,45,602
	Vessels: Ordinary	13,67,52,802	-	-	13,67,52,802	2,78,45,607	45,67,544	-	3,24,13,151	10,43,39,651
	Speed Boat	27,45,901	-	-	27,45,901	17,80,855	1,94,135	-	19,74,990	7,70,911
	Barges	7,57,50,520	83,11,680	-	8,40,62,200	2,34,66,735	28,07,677	-	2,62,74,412	5,77,87,788
	Temporary Structure	10,18,158	-	-	10,18,158	10,18,158	-	-	10,18,158	-
	Cycle	2,672	-	-	2,672	2,538	-	-	2,538	134
	Computer	31,71,853	59,725	-	32,31,578	30,72,195	-	-	30,72,195	1,59,383
	Library Books	69,257	535	-	69,792	69,257	535	-	69,792	-
	Survey Equip(compu)	48,06,702	1,19,173	-	49,25,875	44,14,962	2,64,619	-	46,79,581	2,46,294
	Survey Pillars	6,49,995	-	-	6,49,995	1,94,121	21,905	-	2,16,026	4,33,969
	Communication Equip.	10,52,901	-	-	10,52,901	8,00,811	50,013	-	8,50,824	2,02,077
	Building	14,19,250	-	-	14,19,250	2,52,666	23,134	-	2,75,800	11,43,450
	Terminals-	29,85,25,614	-	(6,39,856)	29,78,85,758	5,65,88,712	1,41,49,574	(30,393)	7,07,07,893	22,71,77,865
	Night Navigation BOUYS	92,77,200	-	-	92,77,200	13,22,001	4,40,667	-	17,62,668	75,14,532
	DGPS STATION	4,66,18,662	39,47,147	(1,83,20,308)	3,22,45,501	30,83,752	15,31,661	(17,39,581)	28,75,832	2,93,69,669
	BEACON Tower	1,58,95,321	-	-	1,58,95,321	7,55,027	7,55,027	-	15,10,054	1,43,85,267
	CRANE	4,48,07,338	-	-	4,48,07,338	1,07,46,424	14,96,565	-	1,22,42,989	3,25,64,349
	TOTAL (C)	1,01,40,25,372	2,74,95,615	(1,89,60,164)	1,02,25,60,823	32,76,96,433	5,03,82,227	39,56,087	38,20,34,747	64,05,26,076
GUWAHATI	Communication Equipment	14,59,976	-	-	14,59,976	9,77,287	56,994	-	10,34,281	4,25,695
	Vehicles	5,90,523	-	-	5,90,523	5,36,241	24,756	-	5,60,997	29,526
	Furniture & Fixture	5,72,634	2,43,485	-	8,16,119	4,22,117	32,468	-	4,54,585	3,61,534
	Office Equipment	3,48,943	66,540	-	4,15,483	1,18,724	20,169	-	1,38,893	2,76,590
	Electric Installation	29,479	-	-	29,479	20,408	598	-	21,006	8,473
	Fans & Air-Coolers	17,416	22,164	-	39,580	15,205	1,289	-	16,494	23,086
	Survey Instruments	1,63,91,523	1,21,840	-	1,65,13,363	56,82,491	7,68,336	-	64,50,827	1,00,62,536
	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	14,92,625	2,07,346	-	16,99,971	14,55,365
	Generator Set	36,100	-	-	36,100	22,295	1,715	-	24,010	12,090
	Computer	39,13,704	1,46,910	-	40,60,614	30,87,597	3,67,325	-	34,54,922	6,05,692
	Terminals- Pandu	43,86,19,237	3,19,56,417	10,94,408	47,16,70,062	6,46,60,451	2,24,04,329	17,839	8,70,82,619	38,45,87,443
	Night Navigation Equip.	1,55,41,607	-	(24,61,697)	1,30,79,910	46,31,293	6,21,295	(10,90,004)	41,62,584	89,17,326
	Barges	13,37,45,241	-	-	13,37,45,241	2,44,20,402	44,67,092	-	2,88,87,494	10,48,57,747
	Vessels - Ordinary	17,73,89,223	5,34,169	-	17,79,23,392	3,80,77,158	67,02,824	-	4,47,79,982	13,31,43,410
	Pandu Terminal	2,99,40,247	25,50,770	-	3,24,91,017	-	-	-	-	3,24,91,017
	Vessels Dredging Unit	63,17,04,677	6,74,28,774	(1,11,67,713)	68,79,65,738	13,04,77,467	4,81,57,601	-	17,86,35,068	50,93,30,670
	CRANE	4,49,69,796	-	-	4,49,69,796	90,11,946	15,01,991	-	1,05,13,937	3,44,55,859
	Air Conditioner	25,950	77,500	-	1,03,450	11,097	4,914	-	16,011	87,439
	Building	10,94,408	-	(10,94,408)	-	17,839	-	(17,839)	-	-
	TOTAL (D)	1,49,95,80,505	10,31,48,569	(1,36,29,410)	1,58,90,99,664	28,37,17,094	8,53,41,042	(10,90,004)	36,79,68,132	1,22,11,31,532

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2012

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2011	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2012	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2012	NET BLOCK AS ON 31.03.2012
						AS ON	FOR THE			
						31.3.2011	YEAR			
					(3+4+5)	7	8		(7 + 8 + 9)	(6 - 10)
BHAGALPUR	Buoys	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	1,61,764	20,394		1,82,158	1,18,737	10,240		1,28,977	53,181
	Office Equipment	49,525			49,525	37,642	2,352		39,994	9,531
	Electric Installation	3,227			3,227	1,892			1,892	1,335
	Fans & Air Coolers	5,899			5,899	5,654	245		5,899	-
	Survey Instruments	22,10,143			22,10,143	12,53,679	1,04,982		13,58,661	8,51,482
	Barges	5,61,255			5,61,255	5,54,410			5,54,410	6,845
	Cycle	701			701	650			650	51
	Library Books	19,680	2,334		22,014	19,680	2,334		22,014	-
	Communication Equipment	1,57,026			1,57,026	1,51,063	5,963		1,57,026	-
	Land	36,734			36,734					36,734
	Computers	2,11,197			2,11,197	2,00,130	11,067		2,11,197	-
	DGPS STATION	-		1,83,20,308	1,83,20,308	-	7,87,585	17,39,581	25,27,166	1,57,93,142
	Terminals-	-	6,09,463		6,09,463	-	28,949		28,949	5,80,514
	TOTAL (E)	36,24,276	6,32,191	1,83,20,308	2,25,76,775	25,47,925	9,53,717	17,39,581	52,41,223	1,73,35,552
KOCHI	Vehicle	3,83,614			3,83,614	3,60,293			3,60,293	23,321
	Furniture & Fixtures	6,29,145	30,949		6,60,094	4,18,161	26,742		4,44,903	2,15,191
	Office Equipment	2,94,331	17,650		3,11,981	1,33,958	13,637		1,47,595	1,64,386
	Fans & Air Coolers	43,425	6,500		49,925	16,003	2,222		18,225	31,700
	Air-Conditioner	67,595			67,595	34,425	3,211		37,636	29,959
	Survey Instruments	1,08,68,270			1,08,68,270	43,72,676	4,71,814		48,44,490	60,23,780
	Communication Equipment	7,34,727			7,34,727	2,55,991	34,900		2,90,891	4,43,836
	Generator	3,54,969			3,54,969	83,235	16,861		1,00,096	2,54,873
	Computer	34,75,572	2,25,045		37,00,617	30,91,283	2,16,117		33,07,400	3,93,217
	Survey Launch	49,83,591			49,83,591	21,18,871	1,66,452		22,85,323	26,98,268
	SPEED BOATS	11,20,418			11,20,418	4,75,284	79,214		5,54,498	5,65,920
	Land (Terminals)	9,91,09,062			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	5,61,204	64,681		6,25,885	33,42,277
	Terminal	9,89,11,863			9,89,11,863	3,11,13,809	46,98,312		3,58,12,121	6,30,99,742
	Dredger	9,01,15,802	5,43,76,016		14,44,91,818	84,20,309	1,01,14,427		1,85,34,736	12,59,57,082
	Night Navigation	3,02,89,473		(3,90,145)	2,98,99,328	77,21,247	14,20,219		91,41,466	2,07,57,862
	Foot Over Bridge Thottappally	21,88,615			21,88,615	5,04,671	1,03,959		6,08,630	15,79,985
	Fork Lifts	63,70,925			63,70,925	18,01,699	4,50,424		22,52,123	41,18,802
	Hydraulic Cranes	6,89,45,177			6,89,45,177	1,82,89,412	48,74,424		2,31,63,836	4,57,81,341
	RCC Jetty K AKKANAD	35,65,097			35,65,097	2,66,664	1,69,342		4,36,006	31,29,091
	RCC Jetty Maradu	17,86,183			17,86,183	3,39,376	84,845		4,24,221	13,61,962
	RCC Jetty Kayamkulam	1,48,97,117			1,48,97,117	7,07,613	7,07,613		14,15,226	1,34,81,891
	RORO LOLO Jetty	13,80,38,000			13,80,38,000	65,56,805	65,56,805		1,31,13,610	12,49,24,390
	Tempory Terminal	11,96,370			11,96,370	11,96,370			11,96,370	-
	TOTAL (F)	68,98,90,875	5,46,56,160	(3,90,145)	74,41,56,890	8,88,59,206	3,02,76,221	-	11,91,35,427	62,50,21,463
ALLAHABAD	Computer	2,55,569			2,55,569	2,22,130	4,250		2,26,380	29,189
	Furniture & Fixtures	1,66,441		(12,100)	1,54,341	1,06,605	9,768	(6,891)	1,09,482	44,859
	Office Equipment	63,554			63,554	30,558	2,765		33,323	30,231
	Fans & Air Coolers	12,155			12,155	5,052	578		5,630	6,525
	Library Books	22,425			22,425	22,425			22,425	-
	Electrical Installation	24,950			24,950	11,850	1,185		13,035	11,915
	land-TERMINAL	24,05,763			24,05,763					24,05,763
	Survey Instruments	40,72,378			40,72,378	20,47,018	1,59,063		22,06,081	18,66,297
	TOTAL (G)	70,23,235	-	(12,100)	70,11,135	24,45,638	1,77,609	(6,891)	26,16,356	43,94,779

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA

SCHEDULE OF FIXED ASSETS AS ON 31.03.2012

(FIGURES IN RUPEES)

1	PARTICULARS	GROSS BLOCK AS ON 31.03.2011	ADDITIONS DURING THE YEAR	ADJUSTMENT/ DEDUCTIONS	GROSS BLOCK AS ON 31.03.2012	DEPRECIATION		ADJUSTMENT ON ACCOUNT OF ASSETS SOLD/TRANSFERRED	TOTAL DEPRECIATION AS ON 31.03.2012	NET BLOCK AS ON 31.03.2012
						AS ON 31.3.2011	FOR THE YEAR			
					(3+4+5)	31.3.2011	YEAR		(7 + 8 + 9)	(6 - 10)
VARANASI	Furniture & Fixtures	1,01,821	27,898		1,29,719	57,906	8,211	6,891	73,008	56,711
	Computer	1,94,480	81,025		2,75,505	1,36,993	44,659		1,81,652	93,853
	Office Equipment	53,297	-		53,297	21,012	2,532		23,544	29,753
	Fans & Air Coolers	5,875			5,875	2,232	279		2,511	3,364
	Vehicle	2,43,069			2,43,069	2,07,828	23,091		2,30,919	12,150
	Communication Equipment	59,764			59,764	24,868	2,840		27,708	32,056
	Library book	525	700		1,225	525	700		1,225	-
	Survey Instruments	24,84,913			24,84,913	6,77,244	1,18,033		7,95,277	16,89,636
	TOTAL (H)	31,43,744	1,09,623	-	32,53,367	11,28,608	2,00,345	6,891	13,35,844	19,17,523
NINI	Furniture & Fixtures	34,11,942	96,700		35,08,642	16,99,217	2,22,097		19,21,314	15,87,328
	Generator Set	6,57,371	-		6,57,371	2,18,575	31,225		2,49,800	4,07,571
	Computer	6,49,502	6,59,200		13,08,702	6,21,896	1,16,280	(4,870)	7,33,306	5,75,396
	Office Equipment	7,60,877	3,62,042		11,22,919	2,43,297	53,337		2,96,634	8,26,285
	Air Conditioner	7,49,016	4,88,265		12,37,281	2,21,831	58,774		2,80,605	9,56,676
	Building/Workshop	5,40,41,199	5,22,347		5,45,63,546	66,61,122	8,89,385		75,50,507	4,70,13,039
	Hostel & kitchen	3,38,257	2,58,210		5,96,467	32,044	28,333		60,377	5,36,090
	Work SHOP EQUIPMENT	3,31,832			3,31,832	31,524	15,762		47,286	2,84,546
	Fire Mock up Equipments	29,47,980	59,580		30,07,560	1,40,029	1,42,859		2,82,888	27,24,672
	Water Cooler & Refrigerator	3,41,183	-		3,41,183	1,13,443	16,206		1,29,649	2,11,534
	Temporay Structure	1,97,196	6,82,105		8,79,301	1,97,196	6,82,105		8,79,301	-
	Course Material & Equipments	2,64,366	65,750		3,30,116	2,64,366	65,750		3,30,116	-
	SIMULATOR	1,16,89,857	2,06,77,268		3,23,67,125	8,52,035	18,12,559		26,64,594	2,97,02,531
	Library book	9,059	78,997		88,056	9,059	78,997		88,056	-
	Software		30,23,100		30,23,100		4,90,045		4,90,045	25,33,055
	Electric Installation		1,01,676		1,01,676		4,830		4,830	96,846
	Fans & Air Coolers		1,895		1,895		90		90	1,805
	LAND		15,24,50,100		15,24,50,100					15,24,50,100
	TOTAL (I)	7,63,89,637	17,95,27,235	-	25,59,16,872	1,13,05,634	47,08,634	(4,870)	1,60,09,398	23,99,07,474
KALADAN	Furniture & Fixtures	63,845	-		63,845	8,082	4,041		12,123	51,722
	Temporay Structure	15,364	-		15,364	15,364	-		15,364	-
	Computer	2,43,452	-		2,43,452	71,944	39,463		1,11,407	1,32,045
	TOTAL (J)	3,22,661	-	-	3,22,661	95,390	43,504	-	1,38,894	1,83,767
	GRAND TOTAL (A+B+C+D+E+F+G+H+I+J)	3,84,69,49,729	50,19,88,779	(2,34,41,799)	4,32,54,96,709	93,43,55,190	19,79,13,351	47,37,561	1,13,70,06,102	3,18,84,90,607
	PREVIOUS YEAR	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

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

CURRENT ASSETS, LOANS & ADVANCES AS ON 31.3.2012

PREVIOUS YEAR (RUPEES)	PARTICULARS		CURRENT YEAR (Figures in rupees)
	a) STORES, SPARES & TOOLS (AT COST)		
3,02,53,011	1) Marine Spare Parts		3,76,45,000
67,01,067	2) Permanent Stores		5,66,991
-	3) Consumables & Marking Material		
2,27,787	4) Stationary		1,05,781
1,10,56,253	5) POL Stock		85,42,232
2,92,155	6) Others		2,49,532
	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		
62,27,452	1) Advance to staff		54,40,940
74,319	2) Departmental Advance		60,322
90,72,60,915	3) Advance to Contractors & Suppliers		91,75,20,613
1,00,75,989	4) Deposits		1,25,84,859
4,18,28,886	5) Claims Recoverable		4,51,60,795
34,31,122	6) Prepaid Expenses		6,38,462
39,97,159	7) Others		40,27,866
	d) CASH & BANK BALANCES		
36,238	1) Cash/Stamps in-hand		22,724
32,21,51,820	2) Cash with Scheduled Banks		7,44,00,850
-	3) Remittance in transit		
18,42,96,000	4) Short term deposit		25,82,09,000
1,52,79,10,173	TOTAL		1,36,51,75,967

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

**OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2012**

Previous Year (Rupees)	Particulars	Current Year (Figures in Rupees)
	<u>NATIONAL WATERWAY NO.1</u>	
9,95,55,494	1. Pay & Allowances & Other Staff Costs	7,38,99,230
	2. Works Expenses	
1,46,23,259	(i) Surveying	5,84,88,059
6,48,08,708	(ii) Dredging	11,09,00,860
1,64,92,846	(iii) Bandalling	1,44,31,186
54,71,396	(iv) Aids to navigation & Channel marking	47,87,966
1,91,49,995	(v) Terminal Facilities	2,27,92,082
4,59,01,426	(vi) Repairs of Vessels	2,34,40,648
4,01,35,781	(vii) Night Navigation	3,30,82,046
-	(ix) River Training Work	
52,52,217	3. Other Administrative & Misc. Expenses	56,30,126
	<u>NATIONAL WATERWAY NO.2</u>	
2,68,67,646	1. Pay & Allowances & Other Staff Costs	1,64,54,972
	2. Works Expenses	
68,79,983	(i) Surveying	86,20,380
2,89,24,993	(ii) Bandalling	2,34,48,260
50,70,735	(iii) Aids to navigation & Channel marking	64,53,620
57,05,394	(iv) Terminals	67,68,258
69,19,796	(v) Dredging	1,35,61,937
67,67,504	(vi) Repairs of Vessels	43,92,665
3,55,70,790	(vii) Night Navigation	2,16,36,440
67,71,264	(VIII) Protocol	1,40,22,681
-	(Viii) River Training Work	4,40,000
1,94,40,273	(IX) Training Expenses(NINI)	2,34,25,478
6,67,335	3. Other Administrative & Misc. Expenses	12,83,721
		34,74,52,203
		14,05,08,412

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OPERATIONAL AND MAINTENANCE EXPENSES
FOR THE YEAR ENDED 31-3-2012

Previous Year (Rupees)	Particulars		Current Year (Figures in Rupees)
	<u>NATIONAL WATERWAY NO.3</u>		
1,09,31,245	1. Pay & Allowances & Other Staff Costs	93,12,820	
	2. Works Expenses		
17,53,912	(i) Surveying	24,59,480	
4,74,62,884	(ii) Dredging	5,35,16,685	
-	(iii) Channel marking		
53,05,547	(iv) Night Navigation	52,18,170	
34,24,695	(v) Terminal Facilities	73,58,248	
47,934	(vi) Repair of vessel	19,52,946	
-	(vii) Maintenance of lock gate		
1,15,17,669	(viii) Bank Protection	-	
8,25,999	3. Other Administrative & Misc. Expenses	7,79,129	8,05,97,478
	KALADAN PROJECT		
22,64,228	1. Pay & Allowances & Other staff Costs	11,87,591	
	2. Works Expenses		
-	(i) Surveying	50,09,679	
	(ii) Dredging		
	(iii) Terminal Facilities		
1,49,49,418	(iv) Other Consultancy	1,48,48,507	
81,83,183	3. Other Administrative & Misc. Expenses	10,87,504	2,21,33,281
56,76,43,549	TOTAL		59,06,91,374

For and behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)

(DEEPAK DAS)
Member (Finance)

(BHUPINDER PRASAD)
Chairperson

SCHEDULE V

PAY & ALLOWANCES & OTHER STAFF COSTS FOR THE YEAR ENDED 31.03.2012

PREVIOUS YEAR (RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
	PAY & ALLOWANCES & OTHER STAFF COSTS	
	-	
4,22,74,025	i) Pay & Allowances	5,02,88,485
1,13,000	ii) Honorarium	-
17,14,996	iii) Medical Reimbursement	24,55,509
1,44,450	iv) Daily Wages	-
2,40,942	v) OTA	1,24,376
2,96,468	vi) Bonus	2,34,872
-	vii) Leave Salary & Pension	-
12,55,655	Contribution (Dep.)	10,99,361
5,01,326	viii) Rent for Residence	4,28,138
19,378	ix) Liveries	68,776
5,62,346	x) Staff welfare Expenses	5,61,004
12,05,903	x) Tuition fees	15,18,223
2,17,41,317	xi) Pension & Gratuity Contribution	-
21,03,732	xii) Leave Encashment	6,87,390
	xiii) New Employees Cont. to NPS	1,46,452
15,60,934	xiii) LTC Exp.	7,85,367
7,37,34,472	TOTAL	5,83,97,953

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)

(DEEPAK DAS)
Member(Finance)

(BHUPINDER PRASAD)
Chairperson

SCHEDULE VI**GENERAL & OTHER EXPENSES FOR THE YEAR ENDED 31.03.2012**

PREVIOUS YEAR (FIGURES IN RUPEES)	PARTICULARS	CURRENT YEAR (FIGURES IN RUPEES)
17,13,761	i) Repairs & Maintenance	34,00,566
5,46,176	ii) Staff Recruitment Expenses	11,60,351
9,61,913	iii) Postage, Telephone & Telegram	9,20,599
10,63,816	iv) Printing & Stationery	13,64,028
11,91,724	v) Vehicle Running & Maintenance	9,62,141
87,014	vi) Advertisement & Publicity	18,714
2,05,616	vii) Conveyance Reimbursement	2,29,557
58,02,676	viii) Travelling Expenses	54,81,017
6,04,141	---Inland	24,52,652
90,626	---Abroad	1,09,108
77,973	ix) Newspaper & Periodicals	1,11,738
1,84,106	x) Misc. Expenses	1,20,193
18,85,467	xi) Consumables	19,00,898
9,86,161	xii) Electricity & Water Charges	10,38,045
3,24,010	xiii) Audit Fees & expenses	3,89,420
2,27,351	xiv) Legal Charges	2,09,085
3,19,294	xv) Seminar & Workshop/Conference	2,10,800
59,122	xvi) Hindi Promotion	69,063
	xvii) Authority meeting expenses	
1,63,30,947	TOTAL	2,01,47,975

For and on behalf of the Authority

(S. JAYARAMAN)
Executive Director (Finance)(DEEPAK DAS)
Member(Finance)(BHUPINDER PRASAD)
Chairperson

INLAND WATERWAYS AUTHORITY OF INDIA							
CARGO MOVEMENT FOR National Waterways-1, 2 & 3, Goa and Mumbai Waterways 2007-08 to 2011-12							
STRETCH		2007-08	2008-09	2009-10	2010-11	2011-12	Type of cargo moved
National Waterway - 1 THE Ganga	MT	14,97,964	13,48,385	18,11,070	18,71,178	33,09,839	Cement, Fly Ash, Iron Ore, Iron Ore Fines, Coal, Steel Shed, Tyres, Iron fines, Iron Ingots, Galvanized Steel Plain Sheet, Stone Chips, Furnace oil, HF HSD, Lube Oil, Boulder, Pulses, Aluminium block, Sand, Clips, Ship block, Log, Pulses, Manganese Ore, Petroleum Coke, Cooking coal, Rock Phosphate, Timber, Peas, Slag oil, Non cooking coal, ODC & Etc.
	TKM	70,91,53,891	70,55,70,044	1,04,77,03,720	1,22,77,02,794	1,45,43,68,323	
	BTKM	0.709	0.705	1.048	1.228	1.454	
National Waterway - 2 THE BRAHMAPUTRA	MT	21,40,491	21,79,435	21,14,895 ^	21,63,745 ^	24,06,448 ^	Bamboo, Bamboo products, Coal, Plant & machinery, Cement, Building material, fertilizer, Food grains, Milk & other essential commodities etc.
	TKM	5,68,74,896	5,51,71,401	5,91,26,385	5,73,35,351	6,13,27,453	
	BTKM	0.057	0.055	0.059	0.057	0.061	
National Waterway - 3 WEST COAST CANAL	MT	6,73,127	7,66,214	6,67,197	8,85,694	13,43,770	Phosphoric Acid, Sulphur, Zinc, Furnace oil, Rock Phosphate, Various commodities in containers, Furnace oil-bunkering, POL(bunkering to ships), Potable water, Lime shell with clay and other impurities, Liquid Effluent.
	TKM	88,72,101	1,09,12,125	97,50,256	1,42,27,990	1,32,51,939	
	BTKM	0.009	0.011	0.01	0.014	0.013	
Sub Total of National Waterways	MT	43,11,582	42,94,034	45,93,162	49,20,617	70,60,057	
	TKM	77,49,00,888	77,16,53,570	1,11,65,80,361	1,29,92,66,135	1,52,89,47,714	
	BTKM	0.775	0.772	1.117	1.299	1.529	
THE GOA Waterways	MT	3,85,00,000	4,55,80,000	5,30,30,000	5,45,00,000	4,32,79,347	Iron ore, iron ore pellets, coal & pig iron.
	TKM	1,92,50,00,000	2,27,90,00,000	2,65,15,00,000	2,72,50,00,000	2,16,39,67,350	
	BTKM	1.925	2.279	2.651	2.725	2.164	
Mumbai Waterways	MT	1,29,06,154	1,01,55,962	1,19,91,109	1,48,75,355	1,99,47,750	Coal, cement, bauxite, iron ore pellets, stone, HR steel, project cargo and related raw material, Sulphur, rock phosphate, cement, lime stone & clinker etc.
	TKM	69,69,32,316	54,84,21,948	64,75,19,886	80,32,69,170	1,07,71,78,521	
	BTKM	0.697	0.548	0.648	0.803	1.077	
Grand Total	MT	5,57,17,736	6,00,29,996	6,96,14,271	7,42,95,972	7,02,87,155	
	TKM	3,39,68,33,204	3,59,90,75,518	4,41,56,00,247	4,82,75,35,305	4,77,00,93,586	
	BTKM	3.397	3.599	4.416	4.828	4.770	

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
3. ^ Provsional data subject to receipt of final report from IWTD, Govt. of Assam. Data extrapolated considering average of previous 3 years.