



जलतरंग



JALTARANG

सरिताएं परिवहन हित रहीं सदा वरदान। 'जलतरंग' देगा हमें यही अतुल संज्ञान।।

From Chairperson's Desk

It gives me immense pleasure to see JALTARANG progressing to the third issue, which is being released on the occasion of Independence Day. I extend my



warm wishes on this occasion to all the members of the IWAI family. This is the time to remember all our freedom fighters who gave up their life struggling for independence of the country and we salute them.

While a number of development activities have taken place during the last quarter, one significant development is the operationalization of an alternate navigation route under the Indo-Bangladesh protocol bypassing the core area of Sunderbans. This single step shall go a long way for preserving and protecting the fragile environment of

the largest mangrove forest in the world, also a unique habitat of the Royal Bengal Tiger.

Another significant development is the issuance of the letter of award of work by NTPC to M/s Jindal ITF Ltd. for coal transportation to their Thermal Power Plant at Farakka using NW-1. The agreement in this regard is likely to be signed soon. Now is the time for all of us to pull up our socks and be ready with the waterway for 24x7 navigation downstream of Farakka.

IWAI has recently recruited eight Supervisors and a Junior Hydrographic Surveyor. I welcome them into the family and hope that their induction will further strengthen the technical competence of the Authority.

With warm wishes,

Bhupinder Prasad
(Bhupinder Prasad)

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IMPORTANT ACTIVITIES

1. NTPC COAL MOVEMENT PROJECT

NTPC's power plants at Farakka and Kahalgaon are facing acute shortage of coal mainly on account of limitation in 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/Sandheads to these power plants by inland water transport (IWT) mode. After concerted efforts of IWAI, NTPC provided long term commitment of transportation of 3 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.

Accordingly, 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/Sandheads, (b) barges for 3 MMTPA coal transportation (c) inland waterway terminal at Farakka; and (d) conveyor system from the terminal to the coal stake yard of Farakka power plant.

After interaction with the prospective bidders, request for proposal (RFP) document was prepared

and proposals were invited envisaging entire investment from the private sector. Four bids were received and after detailed scrutiny thereof by a Joint Evaluation Committee consisting of officers from IWAI, NTPC, IL&FS-IDC and outside experts, NTPC board approved on 22.6.11 the award of work for this project to M/s. Jindal ITF Ltd (the L-1 bidder) whose quoted price for transportation of coal by IWT mode was found to be 15% less than what is currently being paid by NTPC Ltd. NTPC have thereafter issued the letter of award to M/s. Jindal ITF Ltd on 26.7.11 and the process of signing of the Tripartite Agreement (TPA) among NTPC, IWAI and M/s. Jindal ITF Ltd as envisaged in the RFP is underway. The TPA is expected to be signed by 15 August 2011. Coal supply is expected to commence within 15 months from date of signing of Tripartite Agreement (which will signal commencement of the project).

Since there are several existing thermal power plants along Ganga and many more are envisaged 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 country.



Editorial Team :

Deepak Das
S.K. Shahi

Design and Layout:

Jayesh Kandwal

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**2. NATIONAL WATERWAYS – 1 (ALLAHABAD - FARAKKA STRETCH)**

- ✓ ODC Movement : 6 (Six nos. ODC cargo of M/s Eastern Navigation had successfully reached to their destination in NW – 1 during the month of April 2011 to June 2011.
- ✓ Construction of civil work of DGPS station at Gaightat, Patna has been completed.
- ✓ Construction of berthing platform of High Level jetty at Gaightat, Patna has been completed.
- ✓ Earth filling for construction of Approach Road connecting IWT Terminal Gaightat to proposed IWAI office building at Gaightat is under progress.

3. NATIONAL WATERWAY – 2 (HALDIA - FARAKKA STRETCH)

- ✓ The Authority finalized the bids for fixing developer for prestigious Coal Transportation Project from Haldia to Farakka for NTPC, Farakka.
- ✓ On continuous pursuance with Ministry of Water Resources, a project for modification of Bagmari siphon near Farakka on NW-1 to overcome navigation hurdles over siphon has been sanctioned. The project is being implemented by Farakka Barrage Project Authority. The project on completion would ensure smooth and safe navigation over siphon.
- ✓ Navigation on Protocol route in Indian portion has been redefined by adopting an alternate route between Diamond Sand and Athara Banki via Bidya – Satjaliya fulfilling the demand of Sunderbans Development / Forest Authorities to leave Core Tiger Reserve Zone undisturbed by the navigating vessels. The new route has been provided with day channel marking and dredged to remove shallow area.
- ✓ The Authority has facilitated IWT between India and Bangladesh under Indo-Bangladesh Protocol and is ensuring uninterrupted navigation between India and Bangladesh. During the first Quarter of 2011-12 (upto June) – 4,11,308 Tonnes of fly ash was transported from Kolkata / Haldia to various destinations in Bangladesh and 7232 MT consignments of ODC has been transported between Kolkata and Ashuganj / Karimganj / Silchar in 23 voyages.

4. NATIONAL WATERWAY – 3

- 1) Agreements for R.C. works on NW-2 (river Brahmaputa) for different stretches for the year 2011-12 have been signed. The cost of works stretchwise is given below:-

Sl.No.	Description of work	Stretch	Work value
1)	Channel marking (lean & flood season) and bandalling works.	B.Border – Pandu	Rs. 89.38 lakhs
2)	- do -	Pandu – Neamati	Rs.112.34 lakhs
3)	- do -	Neamati – Dibrugarh	Rs. 42.35 lakhs
4)	- do -	Dibrugarh – Sadiya	Rs. 64.79 lakhs

- 2) Tender has been floated for night navigational facilities on NW-2 and work orders will be issued after negotiations with the contractors during the month of July, 2011.
- 3) Civil works at DGPS station at Dibrugarh expected to be completed by end July, 2011. Porta cabins for office are expected to be delivered by 15th August, 2011.
- 4) Construction of boundary wall at Dhubri terminal site has been completed. An Engineer from L&T has made two visits to the site for preparation of DPR for proposed terminal construction.
- 5) The work at Jogighopa terminal site for commissioning the DGPS station is under progress and DGPS station is expected to function by end July, 2011.
- 6) The Govt. of Assam has carried out eviction of the Pandu Bazar area and N.F. Railway has started work on B.G. siding work and the work is expected to be completed by end September, 2011.

- 7) The consultant of NHAI (National Highways Authority of India) M/s Mott Mac Donald Pvt. Ltd. have recommended for grant of permission to IWAI to connect Pandu Port road with NH-31. Discussions with the State PWD are under way for entrusting the Pandu Port road connectivity from the Saraighat bridge underpass to NH-31.

- 8) CPWD officials have inspected the area taken on way leave basis from N.F. Railway for construction of road from Pandu Port upto Saraighat underpass. CPWD has been asked to submit detailed estimates.

- 9) A letter of intent issued and discussion held with Deputy Commissioner, Bongaigaon District for acquisition of terminal land at the downstream of Naranarayan Setu for coal handling facilities for NTPC, Bongaigaon plant.

- 10) The office of the Assistant Director, IWAI, Dibrugarh has been opened and started functioning w.e.f. 1st July, 2011. The address and contact numbers of Dibrugarh Sub Office are as follows:-

*Inland Waterways Authority of India
Durgabari Road Tiniali, A.T. Road, Naliapool, Dibrugarh – 786 001 (Assam).
Telefax No. 0373-2302540, E-mail:- iwaidib@yahoo.in
Mob. No. of Shri V.N. Mishra, Asstt. Director : 9401954187*

- 11) As per the request of Deputy Commissioner, Customs, Guwahati, a temporary accommodation for setting up of their office in Pandu Port Complex has been made ready by repairing the security hut already existing and handed over to the Custom officials.

- 12) A Bangladesh delegation has visited Guwahati and inspected the R.C. works carried out on NW-2 w.e.f. 25-05-2011 to 29-05-2011.

- 13) 21 member Dutch delegation of ship owners on tourism visit to India have visited the Pandu Port on 14-07-2011 and appreciated the activities undertaken by IWAI in development of Pandu river port.



5. NATIONAL WATERWAY – 4

Dredged spoil becomes valuable cargo

Dredged out silt which was drawn out of sea by Cochin Port Trust has become one of the valuable cargo. The first such cargo moved from Kochi Port to IWT Terminal at Aluva through NW.3. The Cochin Ports grab dredger "Nehru Sathabdi", dredges and moves about 8000 M3 of silt per day disposed to sea. The silt has been investigated and found that is useful manufacture of tiles, bricks and similar type of products. As an experimental basis about 2000 tonnes of silt has been transported from Kochi Port to Aluva Terminal. From there, it will be transported to the premises of Industrial area for manufacturing bricks, potteries etc. If it is successful, there will be tremendous scope of silt transportation through National Waterway and usage of dredged silt. In other way it prevent the degeneration of lakes and paddy fields due to the illicit mining of clay.

Govt. of Kerala is developing the feeder routes of NW- 3

Kadambrayar is a feeder route of Champakkara Canal which State Govt. is identified for the development as a feeder route of National Waterway and sanctioned Rupees 5.2 Crores for various developmental activities in this route. During the month of March'2011, IWAI was conducted the detailed survey in this 7 km. stretch and submitted detailed report to the State Govt. for consideration. If this stretch is developed there us a scope of movement of tourist vessels.

Kerala Govt. is also proposed to develop the Waterway upto Cochin International Airport as an extension of Udyogmandal Canal. The Airport is 26 km. away from Aluva IWT Terminal in Udyogamandal Canal. After the development of this stretch, this will be the 1st National Waterway having connectivity with Sea – Port and Air Port.



Inspection of Bolgatty Terminal by Chairperson, IWAI



A view of IWAI's Cutter Suction Dredger at work in Bolghatty shoal on NW.3



A view of IWAI Office at Kollam constructed through CPWD

KALADAN MULTIMODAL TRANSIT TRANSPORT PROJECT

The construction works of Port & IWT components of Kaladan multimodal transit transport project in Myanmar, for which IWAI is the Project Development Consultant (PDC), is progressing satisfactorily. Another shipment carrying all remaining construction plants & machinery reached site during July 2011. The Contractor is now fully mobilized to execute the works expeditiously as soon as the present monsoon season ends by September 2011. Preliminary design of cargo barges for the project has been completed and model testing completed at Indian Institute of Technology, Chennai. Detailed Engineering design of various Port & IWT structures has been reviewed and issued for construction by IWAI. Erection of Gantry, batching plant and other equipment installation for construction work is in progress at Sittwe. Soil investigation for construction of IWT terminal at Paletwa is also in progress.



Pre casting of structural members for Port & IWT Jetty at Sittwe



Unloading of cranes at Sittwe for construction work



Logistic for construction at Sittwe

"Compared to Road and Rail transport IWT is environment friendliest."

CARGO MOVEMENT ON NATIONAL WATERWAYS

In Ton-Km

PERIOD	NW - 1	NW - 2	NW - 3
APRIL-JUNE 2011	33,73,97,528	10,83,014	22,00,163

**Inland Waterways
Authority Of India**

A-13, Sector-1, Noida,
Gautam Budh Nagar,
Ghaziabad U.P. 201 301,
Tel.No. 0120-2544036\
Fax No. 0120-2543973,
0120-2521764
E-Mail: iwainoi@nic.in

IWT Terminal, Gaighat,
P.O.-Gulzarbagh,
Patna -800 007,
Tel.No.0612-2630100,
0612-260114.
Fax No.0612-2630100
iwaipnt@rediffmail.com,
dirpat.iwai@nic.in

P-78, Garden Reach Road
Kolkata 700 043
Tel No. 033-24390393,
24395577, 24396055,
24391710
Fax No. 033-24395570
iwaical@yahoo.com,
dirkol.iwai@nic.in

National Waterways Road,
Kannadikkadu, Behind Nair's
Hospital, NH-47, Bypass,
Maradu, Kochi-682304
Tel No.0484-2295064,
0484-2389804,
Mob:09446014417
Fax: 0484-2389445
iwai_kochi@yahoo.co.in,
dirkoc.iwai@nic.in

Pandu Port Complex,
Pandu
Guwahati 781 012
Tel No.0361-2570055,
2570109
Fax No.0361-2570099
iwaighy@yahoo.co.in,
dirguw.iwai@nic.in

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Employee's Corner

- 05 Supervisors were promoted as Technical Assistant namely Sh. Sanjeev Kumar , Karor Singh, Sh. 1) The marriage of Shri Pankaj Maurya, son of Shri Sita Ram Maurya, Asstt. Director, IWAI, Guwahati was solemnised on 14th June, 2011 at Jaunpur (U.P.).
- Sh. Arvind Kumar, Asstt. Director transferred from H.O. to Kolkata.
- Sh. Sukumar Kundu and Sh. Buddhadev Ghosh, Field Asstt., Guwahati have completed 10 weeks' "Civilian Subordinate Staff Course" conducted by National Institute of Hydrography Goa.
- Sh. Prashant Kumar, Tech. Assistant has joined IWAI, Guwahati office on 30th June, 2011 on transfer from Patna office. Sh. K.K. Sahoo, Tech. Assistant transferred to Patna office.
- 8 Supervisor & 1 JHS have been recruited.
- Sh. Laxman Shah, Greaser, Patna office and Sh. Prabhu Choudhary, Pilot, Kokata office retired on 30.06.2011.
- Sh. Shiv Murti, JHS, Varanasi expired on 29.04.2011 due to cardiac failure. IWAI condoles untimely demise of Sh. Murthi.

पुष्प की अभिलाषा

चाह नहीं मैं सुखाला के
गहनों में गूँथा जाऊँ,
चाह नहीं, प्रेमी-माला में
बिंध प्यारी को ललचाऊँ,
चाह नहीं, सम्राटों के शव
पर है हरि डाला जाऊँ,
चाह नहीं, देवों के सिर पर
चढ़ूँ आभय पर इठलाऊँ,
मुझे तोड़ लेना बनमाली!
उस पथ पर देना तुम फेंक,
मातृभूमि पर शीश चढ़ाने
जिस पथ जाऊं वीर अनेक॥

- माखनलाल चतुर्वेदी -

Quiz

Name the author of the following books:-

Sr.No.	Book Name	Answer
1	Rajtarangini	
2	Mrichkatikam	
3	Kumar Sambhav	
4	Utarramcharitam	
5	Geet Govind	

For answers see next issue

ANSWERS OF QUIZ PUBLISHED IN ISSUE NO 2 OF 2011

Name the Place of Origin of Rivers

- 1- Gaumukh, 2-Chemayung-Dung glacier, between lake Manasarovar and Mount Kailash
- 3-Hills of Coorg, Karnataka, 4-Trimbakeshwar near Nasik Hills, 5-Near Mahabaleshwar,
- 6-Amarkantak hill in M.P.

Do you know?

- ☞ Bhaskaracharya calculated the time taken by the earth to orbit the sun hundreds of years before the astronomer Smart. Time taken by earth to orbit the sun: (5th century) 365.258756484 days.
- ☞ Varanasi, also known as Benares, was called "the ancient city" when Lord Buddha visited it in 500 B.C.E, and is the oldest, continuously inhabited city in the world today.

Please send your feedback, comments and suggestions at iwainoi@nic.in. This will help us in improving upon our next issue. Do also keep sending your contributions regularly.

