

- ♦ Free latest electronic Navigational Charts for the entire river stretch (except Protocol route) being traversed by the vessel indicating LAD on navigational route, distances between any two points for the purpose of preparation of movement schedule and also for calculation of the consolidated fee, will be provided at least one week before commencement of voyage.
- ♦ Free training of the Vessel Master in usage of electronic navigational charts at least three days before commencement of voyage will be organized by Director, IWAI, Kolkata at Kolkata / Haldia if traffic is originating from any point in his jurisdiction. For NW-3, such training will be organized at Kochi by Director, IWAI, Kochi. Other two Directors will be responsible for the same if ODC traffic is originating in their jurisdiction.
- ♦ DGPS facility from Farakka to Barh on NW-1 & from Bangladesh border to Pandu on NW-2
- ♦ Night navigation facilities upto Farakka on NW-1 (till Varanasi by March 2010) and from Bangladesh border to Dibrugarh on NW-2 (till Sadiya by April 2010) and entire stretch of NW-3.
- ♦ Free River pilotage in the entire stretch of the Waterway (both upward and downward journey) on NW-1 and NW-2
- ♦ Free Anchoring facility near various fixed and floating terminals of IWAI except those falling under Kolkata Port Trust area.
- ♦ Bunkering facility at Patna /Pandu River Ports and at Farakka, Bhagalpur and Varanasi on NW-1 and Jogighopa, Neamati and Silghat on NW-2 on payment basis.
- ♦ IWAI will also provide assistance through its vessels (tugs /workboats) in case of any 'emergency' on payment basis.

6.2 Bunkering (Fuel, lubricants and drinking water) facility will be provided by IWAI and/or terminal operator appointed by IWAI on payment basis. The operator /Vessel Master must communicate its requirement of fuel, lubricants, drinking water or any other bunkering facility at least 72 hours in advance to the designated 'Nodal Officer' of IWAI. Payment towards cost of bunkering should be deposited two days in advance with the respective Field Director/Nodal Officer to avoid any delay in receiving bunker.

6.3 Likewise, 'emergency assistance' will be provided by IWAI upon payment of POL charges of IWAI vessels deployed or actual costs of hired vessels / support staff and equipment. Efforts will be made to provide emergency assistance within the shortest possible time.

7. Safe Navigation

- 7.1 In order to ensure safe navigation, the Operator shall provide the following system on the vessel deployed by him for passage of ODC with effect from January 1, 2010:
- i. A desktop (or laptop) computer with at least Pentium IV configuration.
 - ii. A digital echo-sounder, and
 - iii. DGPS receiver
- 7.2 IWAI will provide and upload the '**Nav display**' software developed in-house by IWAI on the Desktop computer (or laptop) on the vessel and this would enable the Vessel Master to use the electronic river navigation charts provided by IWAI with course display and correction facility.
- 7.3 Officers of IWAI will also provide training to the Master of the Vessel in utilizing the aforesaid modern river navigation tool. At Farakka and Dhubri, IWAI officials will adjust the frequency of the DGPS receiver installed on the vessel so that it begins to receive the signals emanating from the DGPS station set up by IWAI at Bhagalpur and Jogighopa respectively. Once other DGPS stations of IWAI also become operational at Katwa, Patna and Varanasi on NW-1 and Tejpur and Dibrugarh on NW-2, the course correction accuracy would be as high as less than one metre on the river channel. This will also facilitate night navigation.

8. Procedure

- 8.1 The owner of the cargo (Project Promoter) normally selects an operator for undertaking movement of ODC relating to his project from the point of origin to destination well in advance as ODC transportation is a specialized activity. This may involve multi-modal transportation with parts of the distance being covered by different modes including inland water transport.
- 8.2 For undertaking the transportation of ODC through IWT on National waterways and/or Indo Bangladesh Protocol route, the Operator will need to follow the following procedure for ensuring safe, smooth and timely passage of ODC from point of origin to point of destination.
- 8.2.1 The Operator shall submit a request in the office of the Regional Director, IWAI for facilitating ODC movement through inland water transport. The request should contain the following information:
- (a) List of ODC with its details indicating name of item, size, weight, number of packages, cost, type of packing, name of Manufacturer, name and address of Consignee in the approved format as per *Annexure-A*.
 - (b) Operator shall submit the route, including origin and destination as well as a tentative Movement Schedule on National Waterways and /or Indo-Bangladesh Protocol route on which he intends to transport ODC in the approved format as per *Annexure-B*.