

NW 3

पश्चिम तट नहर
WEST COAST CANAL
 (कोट्टापूरम - कोल्लम प्रखंड सहित चम्पाकारा एवं उद्योगमंडल नहर)
 (KOTTAPURAM - KOLLAM STRETCH ALONG WITH CHAMPAKKARA & UDYOGAMANDAL CANALS)
 राष्ट्रीय जलमार्ग सं. 3
NATIONAL WATERWAY - 3
 (घरती 1993 में घोषित)
 (DECLARED ON FEBRUARY 1993)
 76°30'0"E



Features

Date of declaration	February, 1993
NW-3 consists of	
West coast canal (Kottapuram - Kollam)	168 km
Udyogmandal canal (Kochi Pathalam bridge)	23 km
Champakara canal (Kochi - Ambalamugal)	14 km
Total length	205 km
Sea opening- 4 nos	Munambam, Kochi, Kayamkulam and Neendakara
Tidal influence	About 0.70 m to 1.00 m rise during high tide
Obstacles	Lock gates at Thanneermukkom, and Thrikunnapuzha
Narrow portions	Alappuzha Kollam stretch

Brief Description

There are mainly three requirements for successful navigation on Inland Waterways. These are i) navigable fairway for movement of inland vessels, ii) Aids to navigation for safe navigation and iii) Terminals for loading/ unloading of cargo at various locations along the waterway. The present of these facilities on NW-3 is as given below:

Navigable Fairway

A navigational channel of 38m width in wider reaches and 32m in narrow reaches with 2 m depth is to be developed for navigation in NW-3. To develop the navigation channel with above dimensions, 40 Lakh cu.m capital dredging was envisaged over a length of about 87 Km. As on July 2014, IWAI has carried out nearly 36 lakh cu. m dredging over 80 km shoal length. With this, though the targeted depth of two meters has been provided in the entire NW-3, but widening of the navigation channel to the required width of 32 meters is yet to be completed in a length of 2 km in Alappuzha (Karuvatta and Mullackal villages), 1.50 km in Kayamkulam Kayal, and 2.75 km near Chavara. The balance shoals of about 6 km are at Alappuzha/Kuttanad (2 km), Kayamkulam Kayal area (1.5km) in Alappuzha District and at Chavara (3.5km) in Kollam District, for which the work is in progress.

The developmental works of NW-3 is targeted to be completed by December, 2014 subject to co-operation of the local people and removal of remaining fishing nets from the navigation channel of NW-3.

Aids to navigation

The entire route length of NW-3 has been provided with aids to facilitate 24 hours navigation.

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 in progress at a cost of Rs.9.04 crores and 88% works have been completed as on July 2014.

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 Aluva, and Vaikkom have been outsourced to KSINC (A Govt. of Kerala Undertaking).

In addition, for decongesting the Kochi city by providing an alternate transport route for the Vallarpadam container terminal, IWAI has set up a pair of Ro-Ro terminals at Willingdon island and Bolghatty jointly with the Cochin Port Trust. The transportation of containers along this route is being carried out successfully since February 2011.



Container movement on NW 3 (Bolghatty- Willingdon island)

Information of Facilities at IWT Terminals in NW 3										
Sl. No.	Terminal Location	Area acquired(in Hectare)	Length & type of jetty	Storage Facil.	Drinking Water facil.	Power supply facil.	Mechanical handling equipment facilities	Tel. faci.	Status of approach channel	Status of approach road
1	Kottapuram	0.5823	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Available	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Channel is duly marked with buoys and lights.	Approach road is available
2	Aluva	1.331	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	NA	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Approach channel is available and duly marked with buoys and lights	Approach road is available.
3	Maradu	2.0268	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Available	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	Available	Approach channel is available and duly marked with buoys and lights	Approach road is available.
4	Vaikkom	0.5184	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Available	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Approach channel is available and duly marked with buoys and lights	Approach road is available.
5	Thannermukkom	0.917	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Available	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Channel is duly marked with buoys and lights.	Approach road is available.
6	Thrikunnappuzha	0.5057	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Available	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Approach channel is available and duly marked with buoys and lights	Approach road is available.
7	Kayamkulam	1.6304	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	NA	Available	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A	Channel is duly marked with buoys and lights.	Approach road is available.
8	Kollam (under construction)	0.6208	30 m (RCC Jetty)	200 sqm covered godown & 400 sqm open storage	Made available during 2010-11	Made available during 2010-11	One 18 t Mobile hydraulic crane & One 3t capacity fork lift	N/A(proposed to be provided during 2010-11	Channel is duly marked with buoys and lights	Road Available Jetty Const. is in progress (likely to be complete by Aug 10)
9	Alappuzha	2.2277*		Under construction through CPWD on deposit work basis						
10	CEPZ	1.2234		it is proposed to consider after the utilization of the terminals already constructed						
11	Chavra	0.8061		it is proposed to consider after the utilization of the terminals already constructed.						
12	Bolgatty	0.8000	Ro-Ro/Lo-Lo service	Container terminal	Constructed for Ro-Ro/Lo-Lo barge service and in operation					
13	Willingdon Island	0.5000	Ro-Ro/Lo-Lo service	Container terminal	Constructed for Ro-Ro/Lo-Lo barge service and in operation					

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