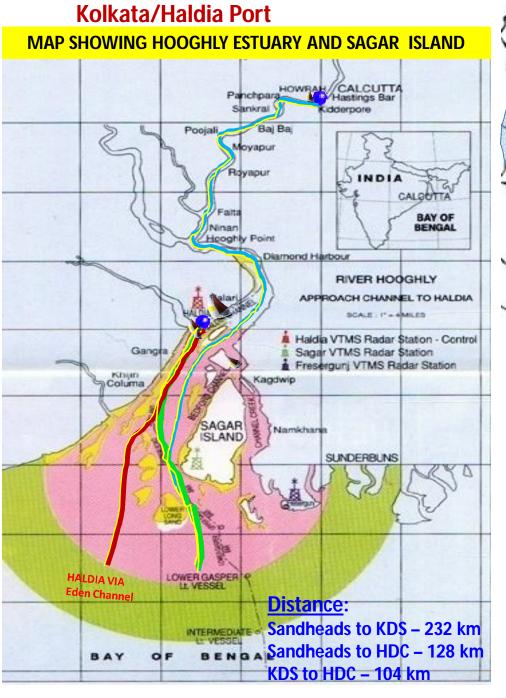
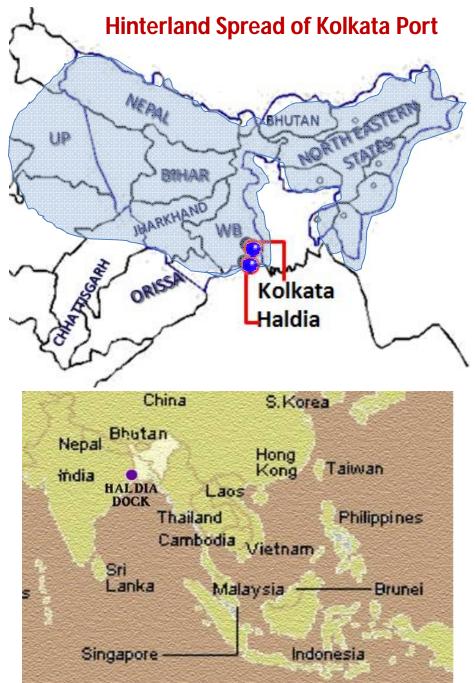
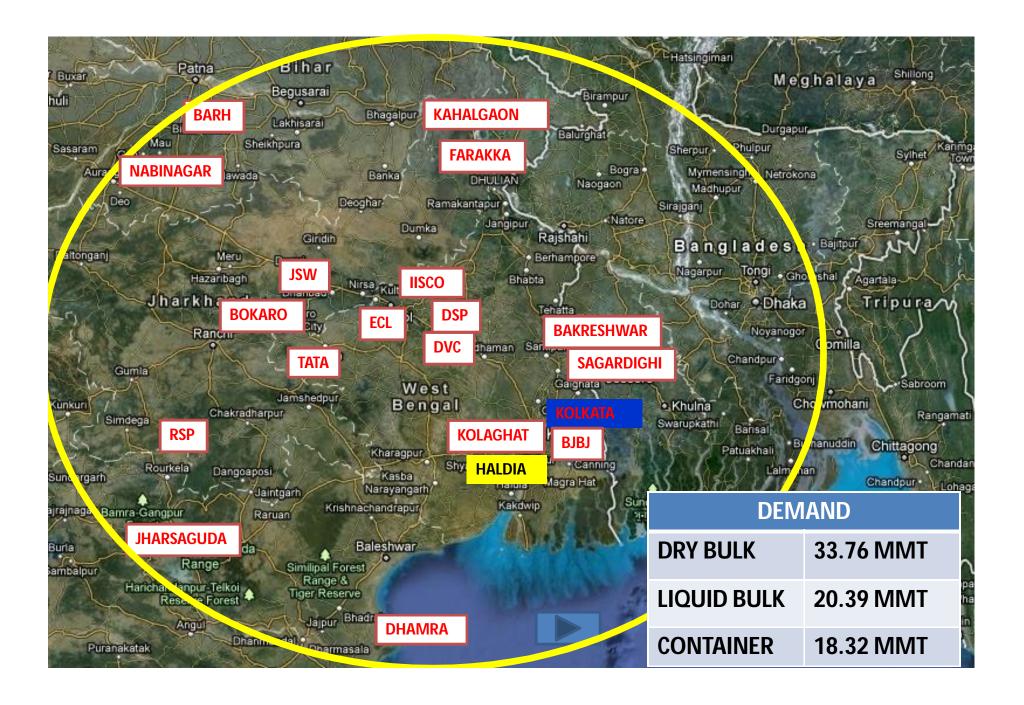


Greetings from Kolkata Port Trust

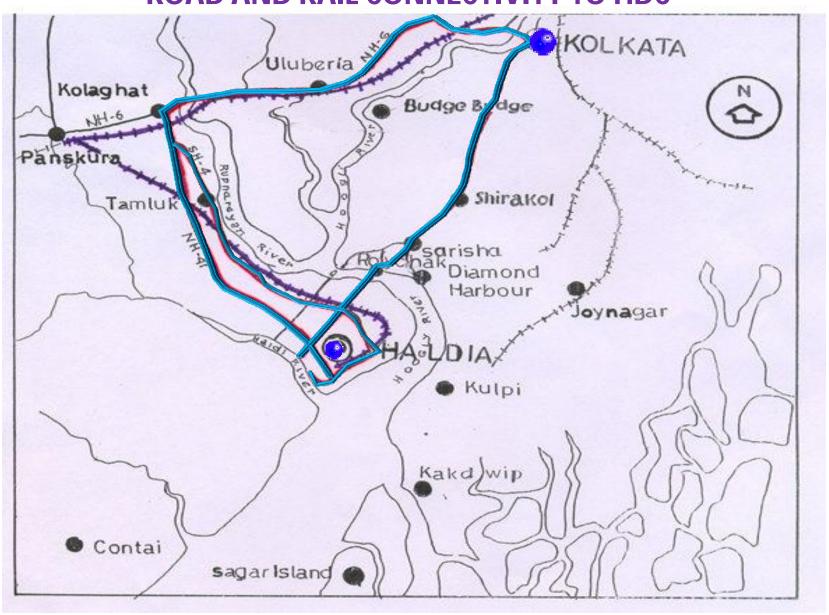




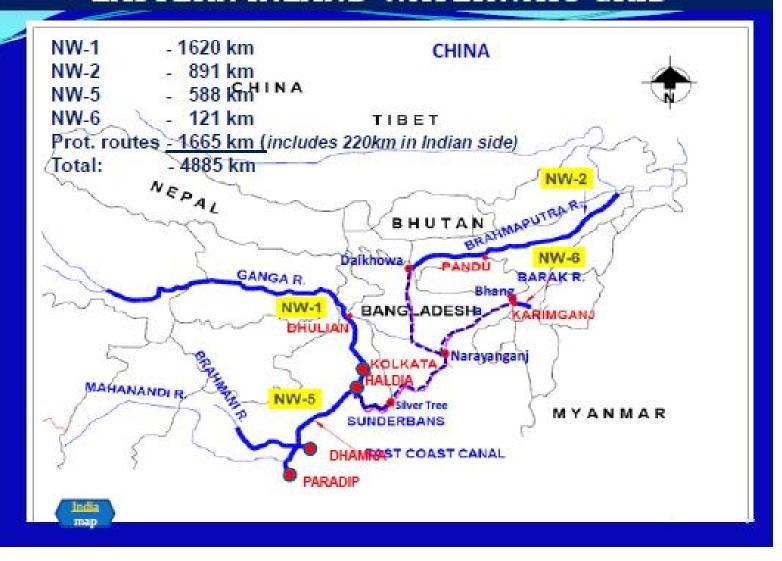
NATURAL HINTERLAND OF KOLKATA PORT

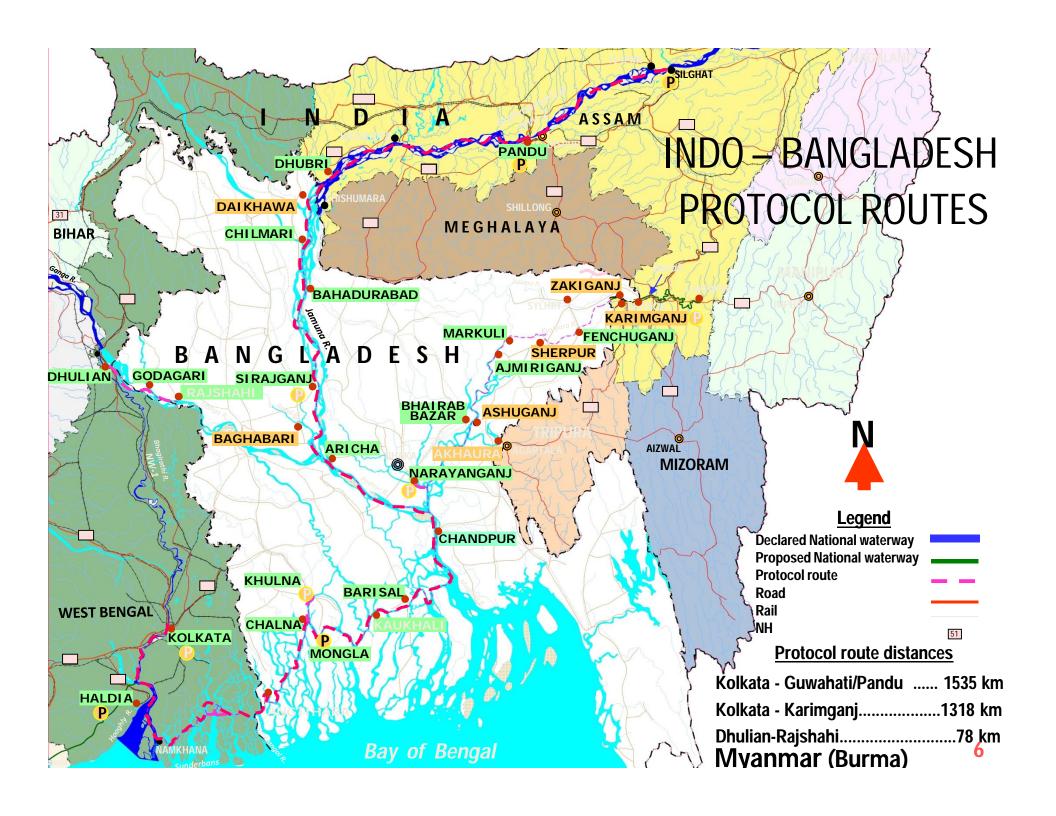


ROAD AND RAIL CONNECTIVITY TO HDC



EASTERN INLAND WATERWAYS GRID







VISION

• TO BECOME THE PREMIER GATEWAY OF EASTERN, NORTHERN AND NORTHEASTERN PART OF INDIA

• TO EMERGE AS TERMINAL HUB FOR COASTAL AND GATEWAY FOR INLAND WATERWAY TRAFFIC

• TO BE PORT WITH INTERNATIONAL OPERATING STANDARDS

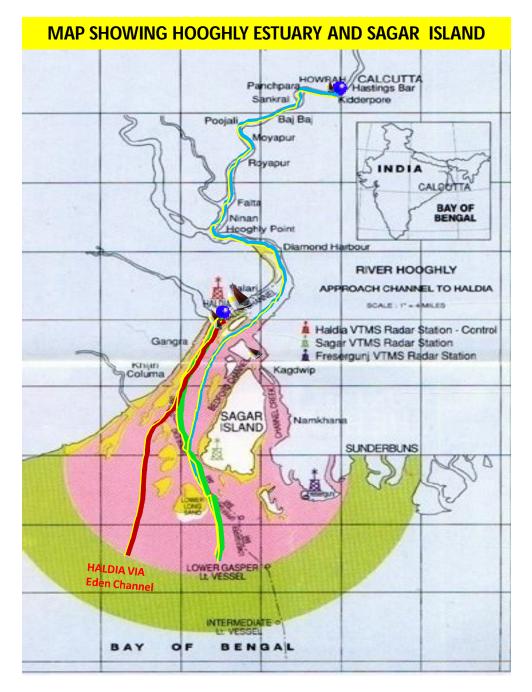
FIRST PORT OF CALL



KOLKATA PORT TRUST

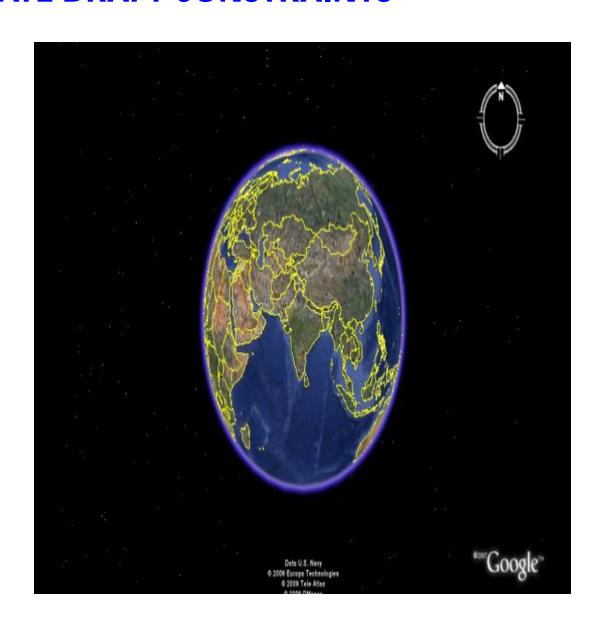
- CHALLENGES
- DRAFT
- LONG
 NAVIGATIONAL
 CHANNEL –

Single Lock Entrance



ON THE WAY TO MITIGATE DRAFT CONSTRAINTS

- Transloading of Dry Bulk Cargo
- Floating Storage
 cum Mooring
 Facility for Liquid
 Cargo
- FSRU for LNG
- Deep draft port at Saugar



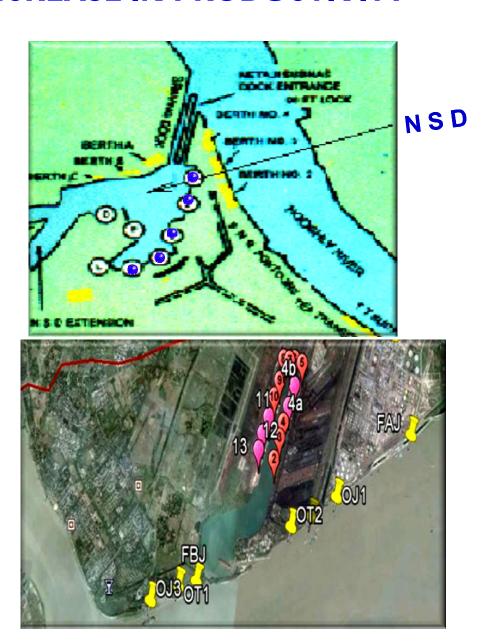
CHALLENGING THE LOCK CONSTRAINT

- Two riverine terminals at Salukkhali – 11.7 MTPA
- Outer Terminal 1 5.0 MTPA
- Outer Terminal 2 2.5 MTPA
- Floating Barge Jetty –2.5 MTPA
- IWT Hub 3.0 MTPA
- Fly Ash Jetty 0.5 MTPA



WAY TO FURTHER INCREASE IN PRODUCTIVITY

- Integrated Container Handling at Berths 10
 & 11 of HDC by ULA
- Integrated Container
 Handling at Berths 3,
 4, 5, 7 & 8 at NSD by
 Bharat Kolkata
 Container Terminal
 Pvt. Ltd. (subsidiary of PSA Singapore)
- Equipping of Berths 2& 8 of HDC



ACTION PLAN FOR 2014-15 AND SHELF OF PROJECTS

	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Capacity (In MMTPA)	71.40	71.40	73.10	82.34	85.34	87.69	104.50
KDS :17.14,							
HDC: 49.75,							
Anchorage: 4.51							
Transloading Facilities	-		3.60				
Mechanization of 2, 8 Berths (H)			3.00				
Floating Pipeline for Edible Oil (Imp) at 5, 6 & off 5 & off 6 (H)	-		0.44				
Floating Riverine Barge Jetty (H)			1.50				

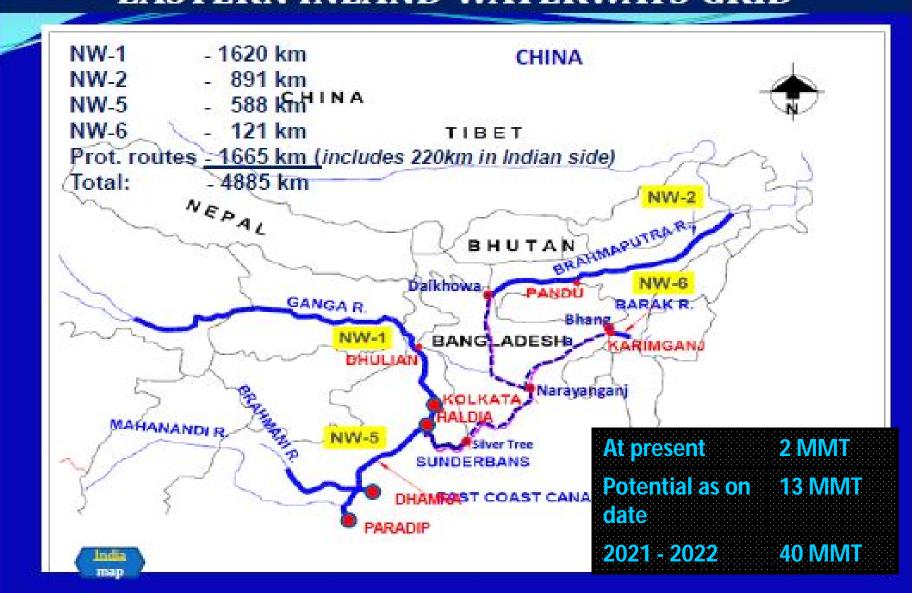
ACTION PLAN FOR 2014-15 AND SHELF OF PROJECTS

	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Capacity (In MMTPA)	71.40	71.40	73.10	82.34	85.34	87.69	104.50
Riverine Barge Jetty for Fly Ash (H)		16.14	0.50			- 70.10	
Floating Storage Facilities (H)	72 - 6	724	12 16	3.00			-72.00
Development of OT-2		J. Paris			2.35		
Haldia Dock-II (North)	-					11.70	
Development of OT-1		UTTE		No.		5.11	
Haldia Dock-II (South)							(11.70)

Note: Capacity addition for DHCT and Haldia Dock-II (South) projects have not been considered since these two projects are currently under review.

HALDIA CAN ALSO BE AN IWT HUB

EASTERN INLAND WATERWAYS GRID



STRATEGIES FOR PARTNERSHIP

- TERMINAL PORT FOR COASTAL CARGO
- Strategic alliance with neighboring Ports for steady movement of coastal cargo
- Identified location for setting up of dedicated berth for coastal movement

OUR DAILY EVACUATION CAPACITY

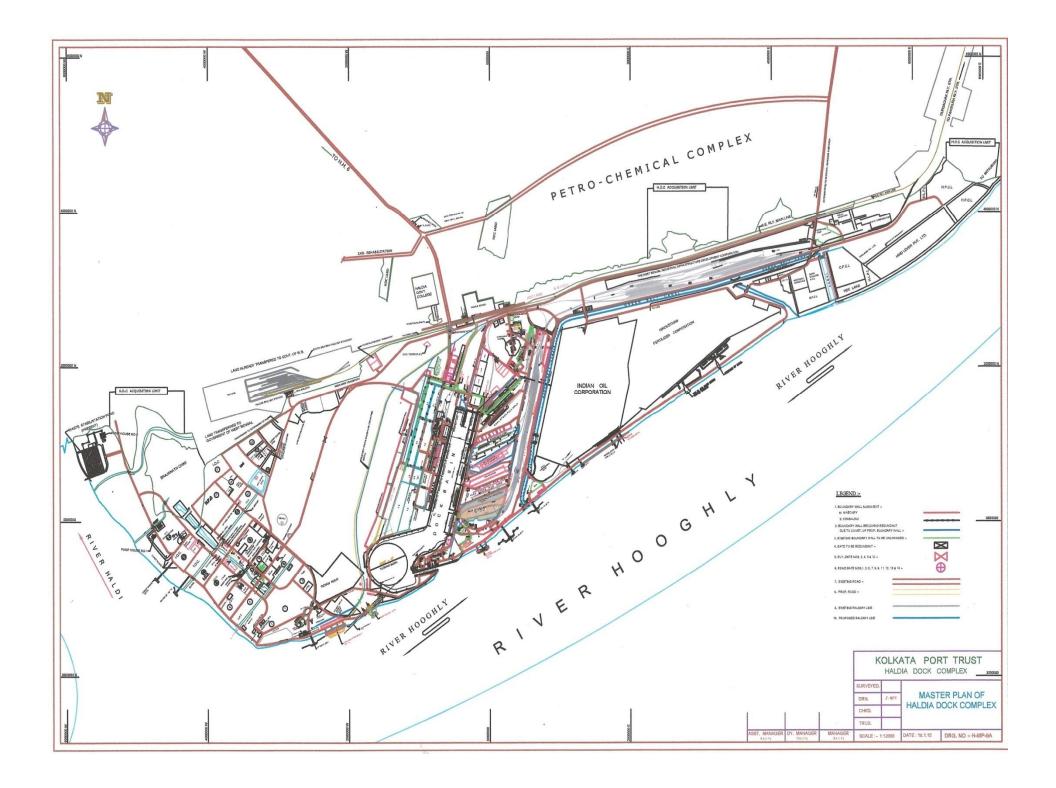
RAIL	40 RAKES
ROAD	2000 TRUCKS
WATER	NW-1, NW-2, NW-5

Years	Coastal Cargo			Total Cargo			% Share of Coastal Cargo		
	KDS	HDC	KoPT	KDS	HDC	KoPT	KDS	HDC	KoPT
2009-10	1012	6078	7090	13045	33378	46423	7.76%	18.21%	15.27%
2010-11	1041	7126	8167	12540	35005	47545	8.30%	20.36%	17.18%
2011-12	903	6508	7411	12233	31015	43248	7.38%	20.98%	17.14%
2012-13	1111	5157	6268	11844	28084	39928	9.38%	18.36%	15.70%
2013-14	1258	4684	5942	12875	28511	41386	9.77%	16.43%	14.36%
Apr-Dec'14	941	3408	4349	10488	21884	32372	8.97%	15.57%	13.43%

SYNERGY – MARITIME HUB



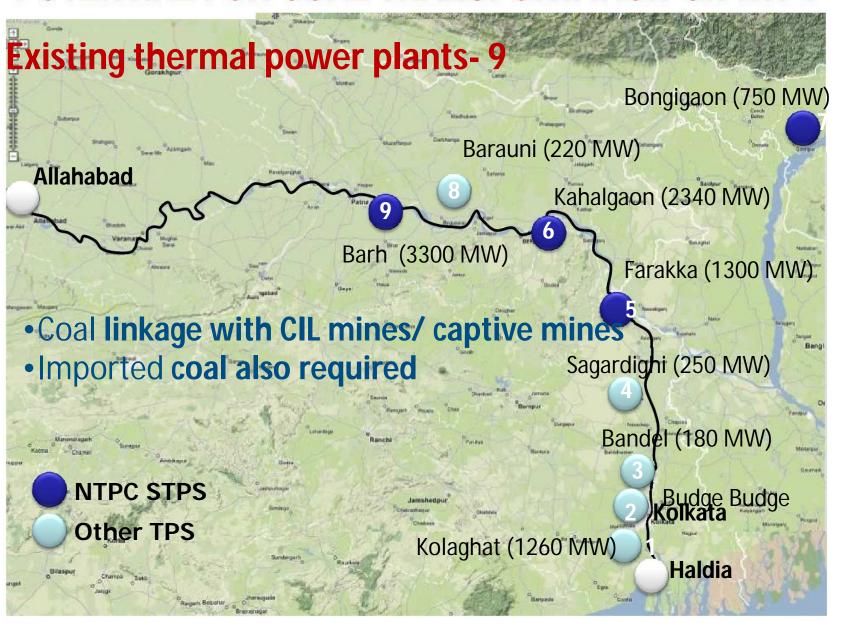




PROPOSED THERMAL POWER PLANTS Muzaffarpur (2x195 MW) Meja Barauni (2x250 MW) Buxar (2x660 MW) Allahabad Bhagalpur (4x660MW) (archana (1320 MW) Barh (3300 MW) Bara (1980 MW) Lakhisarai (2x500 & 2x660 MW) Pirpaint (4x500 & 2x 660 MW) Kolkata

Haldia

POTENTIAL FOR COAL TRANSPORTATION ON NW-1



STRATEGICALLY LOCATED

ECONOMIC LINK TO SOUTH EAST ASIA, AUSTRALIA

Coal: Australia, New Zealand,

Indonesia

Coke: China

Crude Veg. Oil: Malaysia,

Thailand

Iron Ore: China

Container: Transshipment via

Singapore, Colombo

Limestone: Australia, Thailand

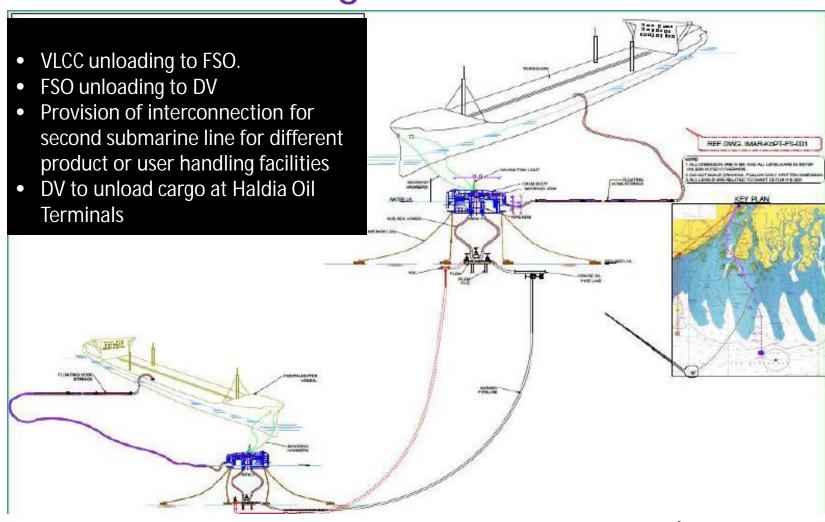


Transloading Of Dry Bulk Cargo

- RFQ invited for creation of 6.64 MTPA of Transloading
- The facilities will comprise a Transloader of Panamax Size with adequate daughter vessels to transport transloaded cargo regularly to HDC.
- HDC will dedicate two berths for unloading of daughter vessels with guaranteed productivity.
- The daughter vessels will get priority of calling and berthing.
- The transloading location will be to handle cape size vessels
- ➤ The facilities are expected to be in place by June, 2015



Floating Storage Operation For Liquid Cargo





HALDIA DOCK COMPLEX

Overseas Cargo

Coastal Cargo

IWT

Land Bank

Transloading

Strategic Alliance With Neighbors

Strategic Alliance
With IWAI

Setting up Industries
And Storages

Riverine Terminals

Dedicated Daughter Vessel Movement

Earmarking
Waterfront with
Backup Storage

Mechanization

Dedicated Coastal Cargo Berths

Traffic divertible from Rail & Read to AUN (2021-22)

in million tonnes

				ın m	illon tonnes
S. No.	Within each Na	tional Waterway	From Rail	From Road	Total
1	N	W1	25.90	17.44	43.34
2	I.	W2	2.31	19.48	21.79
3	N	W3	0.91	11.18	12.09
4	N	W4	14.96	27.09	42.05
5	N	W5	14.64	8.61	23.25
6	N	W6	0.36	3.71	4.07
		TOTAL	59.08	87.51	146.59
S. No.	Between Natio	onal Waterways			221.00
	From	То	From Rail	From Road	Total
1	NW1	NW2	1.00	1.13	2.13
2	NW1	NW5	5.02	2.77	7.79
3	NW1	NW6	0.02	0.94	0.96
4	NW2	NW5	0.13	0.47	0.60
- 5	NW2	NW6	0.04	0.89	0.93

Total

TOTAL OF I & II:

6.21

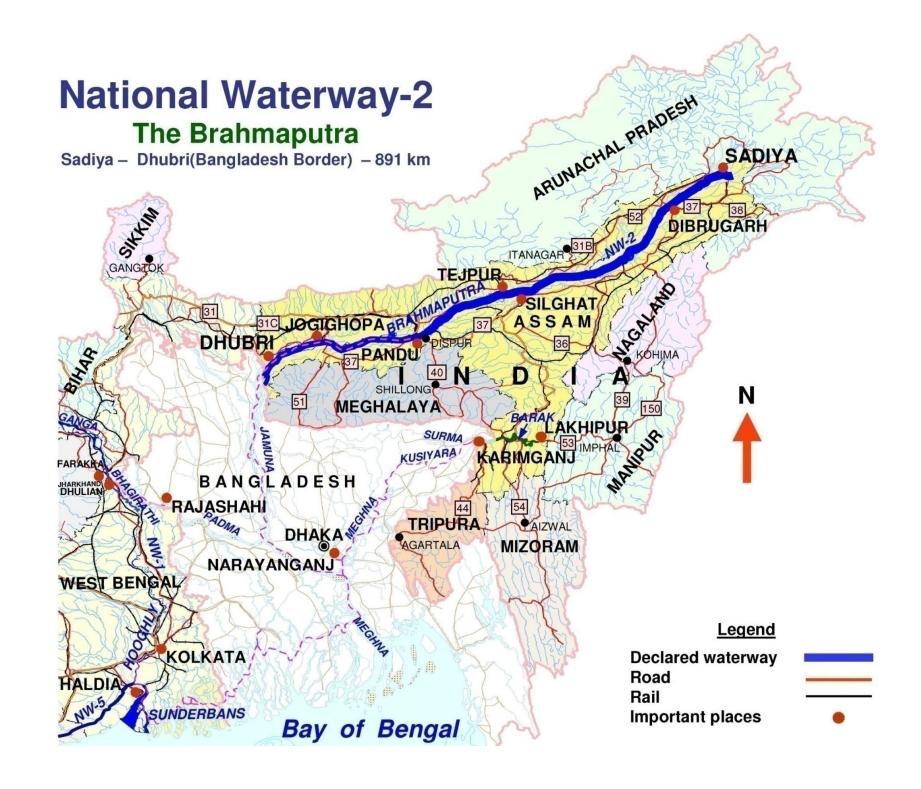
65.29

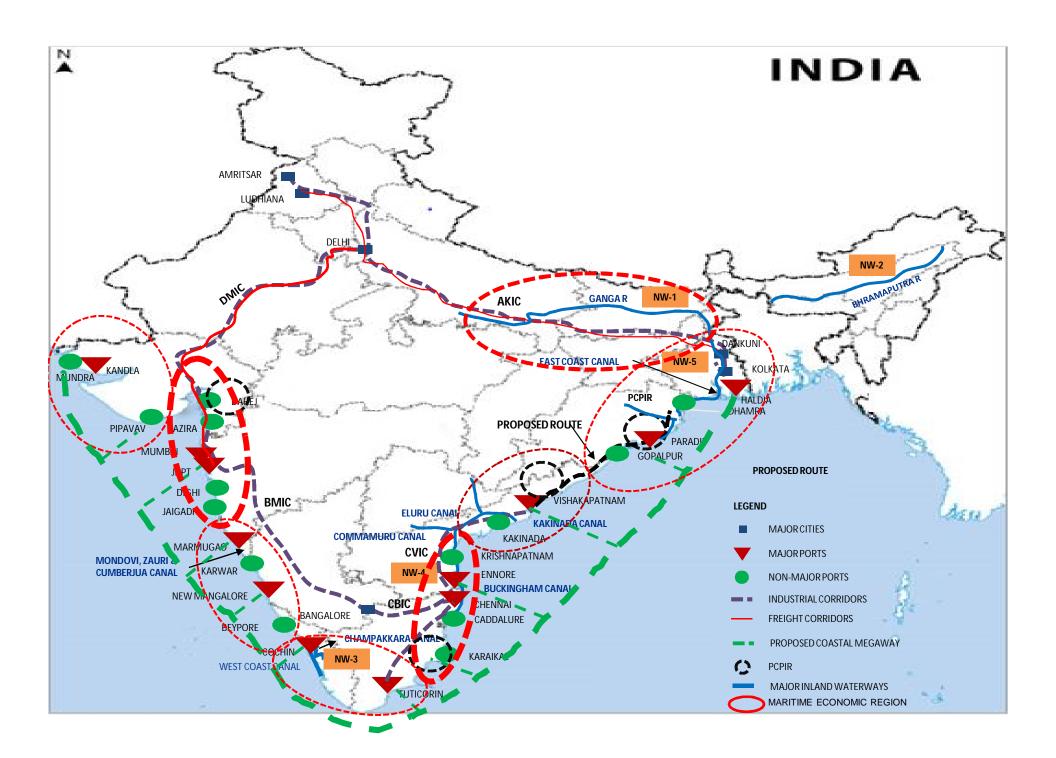
6.20

93.71

159.00







Project scheduled for award/approval in Major Ports in 2014-15

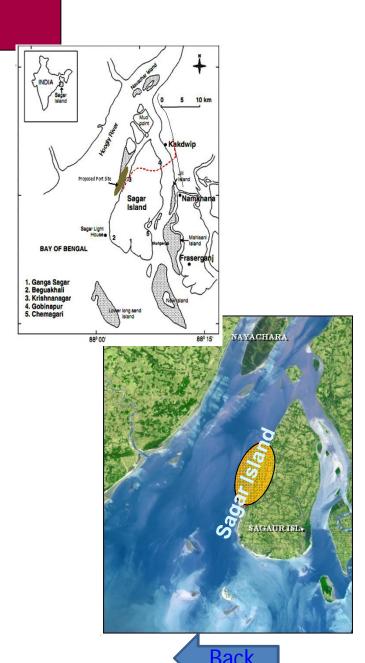
Name of the Project: Grant of permission for setting up Floating Storage & Regasification **Unit/Floating Storage Unit.** S.No. Estimated cost of the Rs. 526 crore (Lowest indication received against EOI) 1 **Project (Rs. in Crores).** 2 Capacity (MMTPA) Minimum 1 MMTPA if there is one qualified applicant. 3 Likely date of February, 2015 administrative approval. 4 Likely date of award. February, 2015 5 **Current Status and** Tenders invited. Last date of receipt of bids extended to 02.02.2015. Progress. 6 Reasons for delay, if any, Not applicable. in approval/award of the Project. 7. Year 2019. Likely date of

commissioning.



Sagar Island Identified Port Location

- About 100 km south of Kolkata in the South Twenty-four Parganas district of West Bengal, India.
- Situated near the confluence of the Ganga and the Bay of Bengal.
- Can be reached by crossing channel creek at Harwood point.
- The island is 30 km in length and has a maximum width of 12 km.
- Population of Sagar Island 1.60 lakhs





DEEP DRAFTED PORT FACILITY AT SAGAR

- ➤ Feasibility Report submitted by M/s. RITES for establishing port facilities at Sagar Island (including rail-road connectivity & construction of a rail-cum-road bridge over river Muriganga) for handling 13.5m drafted vessel (cost Rs. 4806 cr.) and rail-road connectivity (cost Rs. 3014 cr.) with 54 MMTPA projected traffic in 2019-20. Project cost since updated to Rs.11909 crore as per Transaction Adviser.
- Project accorded CCEA clearance in May 2013. TA appointed in Oct 2013.
- ➤ GoWB formed a High Powered Committee headed by Chief Secretary to monitor the project.
- > SPV documents already approved by KoPT board, sent to Govt of WB for concurrence.
- ➤ RITES is preparing DPR for JICA assistance for connectivity portion & Capital dredging at approach channel at a cost of Rs. 4715 crores.
- ➤ Land acquisition proposal submitted to DM South 24 Parganas on 2.12.2014.

FUTURE CONNECTIVITY PROJECTS

SAGAR PORT:

- ➤ Proposed deep drafted port at Sagar Island to be connected via rail from Kashinagar station at Kulpi Namkhana Station of ER. A Rail-cum-Road Bridge across Muriganga river with estimated Cost of Rs.3000 cr. with possible Viability Gap Funding from GOI, for rail dispersal of cargo through ER, is envisaged while for road dispersal through NH-117, NHAI have been identified for providing the same.
- ➤ As regards road connectivity, widening of NH-117, is needed to cater to the cargo traffic to be handled at proposed Sagar Port.

FUTURE CONNECTIVITY PROJECTS

SAGAR PORT (contd.):

- ➤ As regards rail connectivity, Ministry of Railways sanctioned a new rail route for connecting Sagar Island via ER and SER through Kashinagar Station by laying new track between Kulpi Gurudasnagar Pujali Uluberia which will finally connect Dankuni, the terminal station of Eastern DFC. This connectivity project (cost as obtained from Railways is Rs.761.99 crores) was sanctioned by Railways between 2010-11 & 2012-13.
- Since the above alignment entails requirement of a rail bridge over river Hooghly at Pujali, the height of which is apprehended to create hindrance to ship movement, a Committee comprising officials of KoPT and SER has since modified the same which will take the following route → Kulpi – Gurudasnagar (DH) – Bakrahat – Chakgopalpur – Nungi – Majerhat –Shalimar – Santragachi and finally connect to Dankuni.

