

## G.H.D. NEHRU SHATABDI - SPECIFICATIONS

Name	: Grab Hopper Dredger Nehru Shatabdi.
Basic Design and Fabrication	: Shipyard K. DAMEN, The Netherlands.
Consultants	: BVS, The Netherlands.
Builders	: Hoogly Dock & Port Engineering Ltd., Kolkatta
Year Of Make	: 1992
Indian Registry No.	: 11891
Port of Registry	: Kochi.
Distinctive No/Call Sign	: 2383 / VTSN
IMO No.	: 8809048
MMSI No.	: 419000306
GRT	: 2525
NRT	: 758
Dead Weight	: 2300 Tons.
Date of Commissioning	: 28.08.1993
Length OA	: 85.5 M
Breadth	: 15.9 M
Depth Moulded	: 6.0 M
Draught Loaded	: 4.5 M
Max. Dredging Depth	: 17.0 M
Hopper Capacity	: 1500 Cu. M
Sp. Gravity of Soil	: 1.3 Tons/ Cu.M (approx.)
Approx. Full load	: 1950 Tons
Speed	: 12 Knots(in channel and outer sea)

### MACHINERIES:-

Main Engines	: 2 Nos- Stork Werkspoor Diesel Make, Holland.
Power – Main Enginee	: 1340 HP Each engine at 1000 RPM.
Total HP- Main Engine	: 2680 HP.
No. of Propeller	: 2 Nos. (Reversible)
Steering System	: SCAN Steering, Electro Hydraulic.
Aux. Engines( Generator Engine)	: 3 Nos, 210 KW Each Mitsubishi, JAPAN.
Bucket Capacity	: 3.5 Cu.M each.
Max. Reach of crane	: 13 M
Max. Dredging Depth	: 17 M.

### SHIPS PARTICULARS- VYPEEN

Type Of Vessel	Tug
IR No	32649
Call Sign	AUPU
Bollard pull	45 tons
Flag	Indian
Year of Build	2008
Builder	Tebma Shipyard Ltd
Place of Built	Malpe
Date of Registry	05.08.2009
Port Of Registry	Cochin
Official No	3305
IMO No	9444766
MMSI no	419073200
Marks And Notation	SWASTIK, SUL ,TUG ,INDIAN COASTAL SERVICE
Owners	Cochin Port Trust
Classification Society	IRS
Main Engine Type	2 nos ,Wartsila 9L20 , 1800 KW
Propulsion	Voith Schneider , 28 R5 /210
speed	12 knots
Length Overall	32 m
LBP/Breadth	10.587 m
Moulded Depth	4.579 m
TPC	2.58 T
Light Wt	499.75 T
GRT	449
NRT	135
Diesel Tanks -Storage	29.7 cum X 2 nos
Diesel Tanks -Service	4.08 cum X 2 nos
Fresh Water	13.04 X2 nos + 13.2 X 2 nos
Bilge Tank	6.63 cum
Dirty Oil Tank	3.11 cum
Crew on board per shift of 8 hours. 12 shifts per week as per roster	Marine engineer (MEO Cl 1) -1 no, Tug master -1 no Serang - 1 no Tindel of lascar – 1 no Lascar- 4 nos Bhandary – 1 no Topaz – 1 no 1 <sup>st</sup> class engine driver – 1 no 2nd class engine driver – 1 no Electrician – 1 no Oilman- 1 no

<b>Vessel particulars- Tug Vallarpadam</b>	
Type of vessel	Tug
IR no	30184
call sign	AUPT
Bollard pull	45 tons
flag	Indian
year of build	Jul-08
Builder	Tebma Shipyard Ltd
place of built	Malpe
Date of Registry	17.04.2009
Port Of Registry	Cochin
official no	3304
imo no	9444754
MMSI no	419073100
marks and notation	SWASTIK, SUL ,TUG ,INDIAN COASTAL SERVICE
owners	Cochin Port Trust
classification society	IRS
main engine type	2 no's Wartsila 9L20 , 1800 KW at 1000 rpm
propulsion	2 no's Voith Schneider , model 28R5 /210
Speed (max)	12 knots
length overall	32 m
LBP/Breadth	10.587 m
moulded depth	4.579 m
TPC	2.58 T
light wt	499.75 T
GRT	449
NRT	135
diesel tanks -storage	29.7 cum X 2 nos
diesel tanks -service	4.08 cum X 2 nos
fresh water	13.04 X2 nos + 13.2 X 2 nos
bilge tank	6.63 cum
dirty oil tank	3.11 cum
Crew on board per shift of 8 hours. 12 shifts per week as per roster	Marine engineer (MEO Cl 1) -1 no, Tug master -1 no, Serang - 1 no Tindel of lascar – 1 no., Lascar- 4 nos, Bhandary – 1 no Topaz – 1 no, 1 <sup>st</sup> class engine driver – 1 no 2nd class engine driver – 1 no Electrician – 1 no Oilman- 1 no

Sl. No.	PARTICULARS	ITEM
1	<i>NAME OF THE</i> VIP launch/ speed boats	Regal 2860
2	<i>CONTRACTOR'S NAME</i>	Supplied by M/S Indmerc , Kochi
3	<i>AGE OF THE Speed LAUNCH</i>	2008 built ( 10 years old) delivered at Cochin port in Nov 2008.
4	<i>DEAD-WEIGHT WITH DISPLACEMENT</i>	4082 kg –approx dry weight
5	<i>LENGTH</i>	9.0 m
6	<i>BEAM</i>	2.9 m
7	<i>DEPTH</i>	3.4 m ( arch to keel)
8	<i>DRAFT</i>	1.0m (draft up) 0.5m (draft down)
10	<i>ENDURANCE</i>	Fuel capacity 408 litres, fresh water capacity 132 litres
11	<i>MAIN ENGINE (Numbers, Make, BHP each)</i>	2 nos x160bhp Volvo penta D3 diesel engine
12	<i>GENERATOR ENGINE (Numbers, Make, BHP each)</i>	1 no perkins 400c series 3 cylinder engine (presently not using the engine)
13	<i>SPEED (In Knots)</i>  i. <i>Maximum Speed</i>  ii. <i>Cruising Speed</i>	Max speed 35 knots  Presently operated at lower speed as the boat is 10 years old.
14	<i>TOTAL FUEL CONSUMPTION PER HOUR</i>	2x39 lit per hour at 4000RPM 2x15 lit per hour at 2800 RPM
16	<i>SITTING SPACE AVAILABILITY(No of heads)</i>	7 (passenger) +1 ( driver)
17	<i>PANTRY AVAILABILITY(Y/N)</i>	Yes ( not used now as generator not operated)
18	<i>TOILET AVAILABILITY(Y/N)</i>	Yes ( not used now as generator not operated)
19	<i>DAILY CHARTER HIRE</i>	Manning Charges @ Rs 2081/- per day ,GST extra. Maintenance by CoPT directly with OEM support ( Volvo)

Speed boat -Regal 1900 specs

Sl no	Item	remarks
1	Length overall	6.0 metres
2	Beam	2.5 metres
3	Approx dryweight	1270 kg
4	Boat height- W/S to keel	1.5 metrs
5	draft	0.8 m
6	Max capacity	8 persons
7	Persons and gear	467 kg
8	Propulsion Engine	1 no outboard engine 40HP