

M/S Ahiliabai Sardesai -Crane Barge

NARMADA JALPRABHA



Vessel's Particulars.

Name of the vessel : Narmada Jalprabha
 Official Number : 4023
 Call sign : AVVG
 MMSI No. : 419000597
 Class : IRS + IWL Zone 1 + IY" River Sea Vessel Type II"

Technical Detials.

Length of the vessel : 58.50m
 Breath moulded : 24.00m
 Depth Moulded : 4.80m
 Maximum Draft : 3.00m
 Propulsion system : 2 nos. – Italdraghe make, 360 degrees, Azimuthal rotation, with power assisted hydro drive. Bronze 4 blade propeller, dis. Approx. 1200mm. Powered with, Volvo D12, 400HP continuous power at 1800rpm.
 Windlass : 2nos, electrical driven, Anchor 2nos. – 1200kg with chain 30mm dia.
 Mooring winches : 4nos. Electrical driven, 5t @ 10m/min. Suitable for storing 200m of 65mm dia. PP ropes with control panels and local master controls.
 Accommodation : Total 15 nos. Fully air-conditioned, divided into suitable compartments for officers and crew, with separate sanitary system, with a common Galley to cater to requirement of officers and crew with domestic freezer / refrigerator, and hot plates.
 Communication system : Ship to shore VHF with DSC compliance.
 Tank capacity : Diesel -100T
 Fresh Water – 100T
 Power Generation : 2nos. Cummins model KTA -38-G5 developing 1180KVA at 1500rpm, sea water cooled for continuous operations.
 1 no. 120KVA harbour generator, Kirloskar make- RV8, provided with suitable marine cables and sockets.

Crane Technical Details.

Hydraulic Crane Type:	K3035-4 "Heavy Duty"
Hoisting capacity:	SWL grab 30 ton
Hoisting capacity:	SWL orange peel grab for handling of scrap 24 ton
Hoisting capacity:	SWL general cargo 32,5 ton
Hoisting speed:	full load grab 50 m/min
Lowering speed:	full load grab 55 m/min
Hoisting & lowering speed:	empty grab 75 m/min
Hoisting & lowering speed:	general cargo 30 m/min
Luffing time:	90 sec
Slewing speed:	0,9 r/min
Jib radius:	min 6 m
Jib radius:	max 35 m
Lifting height, H+K:	38m.

Grab Details.

Iron Ore Grab :	1 unit PEINER Four Rope Dual Scoop Grab type VSG/Q 1,8 – size 11cum, suitable for the handling of iron ore. with a piled density in a range of 1,8 t/m ³ up to 2,2 t/m ³ .
Coal Grab :	1 unit PEINER Four Rope Dual Scoop Grab, type VSG/L 0,8 – size 21.6 cum, suitable for the handling of coal, with a piled density in a range of 0,8 t/m ³ up to 1,0 t/m ³ .

