



Naval Architect with 6 years of experience in;

## ROLE / JOB DESCRIPTION

### A. Naval Architectural Calculation

1. Freeboard
2. Scantling Calculations as per Class
3. Section Modulus Calculation
4. Tonnage Computation
5. Welding Calculation
6. Cathodic Protection
7. Light Ship Weight Estimation
8. Tank Calibration/ Tank Sounding Tables
9. Resistance Calculation
10. Powering Calculation
11. Propeller Calculation
12. Rudder Calculation
13. Intact Stability
14. Damage Stability (Both Method)
15. Accommodation Plan as per MLC
16. Ballast Water Management
17. Concept Design

### B. Design

1. Structural Drawings
2. Foundation Drawings
3. Modification Drawings

### C. Miscellaneous

1. Drawings/Calculations Plan Approval
2. Modelling/Re-Calibration/Re-Stability Analysis
3. Restoration of Stability
4. Calculations and Drwgs for Conversion
5. Steel Renewal Estimation as per UT Gauging Report
6. Developed Spreadsheet solution for all Basic and Structural design calculations as per
  - a. DNV, Classification Societies
  - b. BV, Classification Societies
  - c. IRS, Classification Societies
7. Developed Stability Software (**ZEBEC LOAD MASTER**)
8. Inclining Experiment Calculations
9. Lightship Survey/Deadweight Survey
10. Condition Survey

## Project Undertaken

### A. Design/Plan Approval

1. Fuel Barge
2. Auxiliary Barge
3. 24 m Gangway – Maersk Oil Rig
4. Battle Practice Target – ABG
5. Self Propelled Barge – 56m
6. KC Maritime Vessel's
7. Self Propelled Barge 130m – Boxco/J.M Baxi
8. Platform Supply Vessel 60m
9. Seismic Research Cum Support Vessel 60m
10. Seismic Research Cum Support Vessel 80m
11. Self Elevated Platform – Fugro
12. Anchor Handling Tug Supply (AHTS)
13. 7 x 4m Buoy Design
14. Pilot boat project (15Mtr) Dubai Client
15. SAR Catamaran Project (20 Mtr) for UK Client

### E. Inspection

1. M.V. Goan Pride
2. Dumb Barge

### B. Stability SOFTWARE (SQL & C# Based Programming)

1. Landing Craft Utility's
2. Fleet Support Vessel's

### C. Stability/Modifications/Conversion

1. INS Sujata
2. PSV Ramya
3. PSV Yamuna
4. WSV Vestfonn
5. M/V Biscayne Lights
6. Barge Gauri (Loading Heavy Cargo)

### D. Design Proposal For Client

1. Seismic Survey Vessel
2. Platform Supply Vessel
3. Diving Support Vessel Cum Submarine Rescue
4. Landing Craft Transport
5. Well Sunk Barge



# RAVI NIKHILESH

## NAVAL ARCHITECH



- Various Heavy Cargo Loading & discharging Survey, Cargo Survey & Damage Inspection
- Propeller & Shaft calc. analysis for M.V. Bharat Marine on behalf of Mac Ship Design & Construction Pvt Ltd.
- Stability Report for Dolphin Boat on behalf of Mac Ship Design & Construction Pvt Ltd.
- For Shallow Waterways Shipping Pvt. Ltd."3e Barge" Working on Innovative Design to increase the carrying capacity of cargo where we have draft restriction. Comparatively minimum 10-15% higher cargo capacity than conventional Barges
- Maxsurf Software Training on behalf of UAE & India Software Distributor for below clients

Archirodon, UAE	4 Persons
Indian Registry of Shipping, Mumbai	13 Persons
Vijai Marine Shipyard & Design, Goa.	4 Persons
InterCAD System Pvt. Ltd.	21 Persons
Vels University, Cochin	35 Persons

## ORGANISATION SCAN AND WORK EXPERIENCE

1. Vanan Marine Service Private Limited  
Director- Technical (Naval Architect) - 06<sup>th</sup> May 2016 till 10<sup>th</sup> February 2017
2. Zebec Marine Consultant and Services Pvt. Ltd.  
Naval Architect - 26<sup>th</sup> September 2011 till 01<sup>st</sup> October 2015

## SOFTWARE SKILLS

- **Naval Architect/Ship Design Software**
  1. Proficient with hull modelling software like **Maxsurf** (Stability, Resistance, Seakeeper & hull n Structure Weight Software) and **Rhinoceros**.
  2. Proficient in using **AutoCAD 2D and 3D**.
  3. Introduced to **Aveva Tribon, Ship Constructor, ISYMOST (FEM Analysis) & MARS** software.
- Programming language : C, C++ (Basic's), Experience in C Sharp & SQL software
- Other skills : MS Office, Beam Boy 2.2
- Operating Systems : Windows 10, 7, XP, Windows Vista.