

HINDUSTAN SHIPYARD LIMITED : : VISAKHAPATNAM – 530 005
(A Government of India Undertaking)

ADVT NO.HR/ES(O)/0102/02/2020 DATED 02 Aug 2020

HSL is the pioneer Shipbuilding and Ship repair Yard functioning under the Ministry of Defence. The Company is looking for dynamic and result oriented personnel with proven track record for the following posts:

Sl. No.	Name of the post	No. of posts	No of Days per month	Remarks
1.	Chief Project Consultant	01	06	Days not used in a month can be carried forward to next month so that cumulative
2.	Project Engineer (Diving System)	01	18	
3.	Project Engineer (Electrical)	01	18	

Important dates for present hiring process are as indicated below:

IMPORTANT DATES	
Date of commencement of ONLINE application for all posts	03 Aug 2020 1000 hrs
Last date for ONLINE submission of application for all posts (Once submitted editing is not allowed).	13 Aug 2020 1700 hrs
Last date for receipt of copy of the printed Online Application, DD along with mandatory enclosures by Post / Courier.	17 Aug 2020 1700 hrs

QUALITAIVE REQUIREMENTS

Details of Posts	Max Age as on 13 Aug 2020	Qualification	Experience	Remuneration
1. Chief Project Consultant	The maximum age limit is 55 years however the same may be relaxed in case of deserving cases at the discretion of the Management.	Degree or Diploma in Engineering in the discipline of Mechanical / Electrical / Electronics / Shipbuilding / Naval Architecture from AICTE with min First class.	i) Min 10 years' Experience in Marine / Shipbuilding / Ship design activities ii) Experience in a senior management / similar role for at least 5 years in shipbuilding / design iii) Experience as Project manager / Senior position in executing / building at least two Diving Vessels with integrated Sat diving system / air diving system / ROV from design to delivery iv) Experience in detail designing at least two multipurpose / diving vessel v) Good Knowledge of DP, Diving Interface with the vessel. vi) Good knowledge of FMEA, Diving vessel Commissioning procedures / Sea trial preparation / classification rules vii) Provide expertise to shipyard for negotiation with vendors, technical agreement evaluation, drawings approval, system installation, commissioning, preparation of sea trials viii) To be available at site for 06 days per month	1.50 LAKS PER MONTH
2. Project Engineer (Electrical)		Degree or Diploma in Engineering in the discipline of Mechanical / Electrical / Electronics / Shipbuilding / Naval Architecture from	i) Min 10 years Experience in shipbuilding ii) Experience as Electrical Engineer / Electrical inspector in drawings approval / detail design / onsite commissioning of ships with DP system, conduct of FMEA of DP ships especially one or two Diving vessels with integrated SAT Diving / Air diving / ROV.	1.20 LAKS PER MONTH

		AICTE with min First class.	iii) Good Knowledge of DP, Electrical Systems including controls related to propulsion, Diving, DP system Interfaces / ROV with the vessel. iv) To be available at site for 18 days per month	
3. Project Engineer (Diving System)		Degree or Diploma in Diving or certification related to Diving system	i) Min 10 years experience in Diving vessel / Dive system as technician, commissioning engineer. ii) Min 10 years experience in supervision of construction , drawings approval of new shipbuilding related to Diving support vessel iii) Good Knowledge of design of SAT diving system, Air dive system, Diving system trials in new shipbuilding iv) Provide expert support in the design phase, interface for the construction, installation, commissioning and trials of dive system in a Diving Support Vessel. v) To be available at site for 18 days per month	1.20 LAKS PER MONTH

SCOPE OF CONSULTANT

1.0 The Chief project consultant will work with the team of two project Engineers (Electrical & Diving) to cater primarily for integration, trials of diving and DP systems and to complete the scope indicated below in association with concerned departments of the Shipyard.

2. **Scope of Work.** The Chief Project Consultant along with two project Engineers is to work with concerned department of the shipyard in various phases of design of construction of the two DSVs including trials of all major machinery. The Project Engineer (Diving) will primarily be responsible for Integration and trials of Diving System while the Project Engineer (Electrical) will be responsible for Integration, trials of Diving, DP system and associated machinery including Propulsion machinery, DP controls, IPMS etc.

2.1 The number of days, the project consultant and project engineers have to be available at the Shipyard to assist HSL is as given below: -

Ser	Consultant	No of Days per month	Remarks
1	Chief Project Consultant	06	Days not used in a month can be carried forward to next month so that cumulative
2	Project Engineer (Diving)	18	
3	Project Engineer (Electrical)	18	

2.2 Chief project Consultant and Project Engineers are to provide services to address queries from Shipyard over electronic mode (Video Conference, e-mail, telephone) during the entire period of engagement, even on the days they are 'off site', so that Shipbuilding schedule is not affected.

3.0 Activities.

3.1 Verify Design, specifications, Integration and interfacing of various diving system equipment and DP system equipment along with other associated shipboard machinery / systems to ensure that the ship meets the intended role of Diving Support Vessel with DP2 class.

3.2 Vet the design of the designer post integration of the Diving system being procured and address gaps to ensure that the design will ensure that the ship meets its the intended role.

3.3 Verify the project schedule in general and those related to Diving, DP system in particular and advice Shipyard on ways to improve project planning and production sequencing / processes so as to reduce build period.

3.4 If in the event of any defects or deficiencies are observed during trials of the ship's Diving and DP systems, undertake detailed analysis and recommend solutions /advise designer and/or equipment supplier for early resolution of the problem. If necessary, also assist Shipyard in determining the agency responsible for the defect (attribute responsibility).

3.5 Document Review and training: This phase includes following activities: -

- (a) Examine of GA already prepared by designer and confirm suitability /suggest changes if any mandated to meet desired functional capability of DSV.
- (b) Provide technical and Commercial Inputs on pending procurements of main eqpt (DP system, IPMS, steering gear etc.) i.e assist shipyard in technical evaluation of bids of these equipment, price evaluation, gap analysis and suitability of offered machinery / equipment models to ship design to meet the mandated role of DSVs as per specifications agreed with Indian Navy.
- (c) Assist HSL in evaluation of technical offers received from prospective suppliers and assist HSL in evaluation of reasonableness of price /commercial offers based on experience of past projects executed by the consultant.
- (d) Conduct online and at site training sessions on various facets of detailed design and production activities associated with DSVs including training of Shipyard personnel for identifying cases of failures as per FMEA of DP system, Standards involved and scope, procedure for conduct of FMEA (design and on board trials parts).

3.6 Detailed Design Phase: This phase includes following activities: -

- (a) Verification of layout, Ship system drawings prepared by Designer based on inputs received from suppliers of Diving equipment, DP system with associated machinery like thrusters to ensure ease of installation, correctness wrt functional requirements, safety, ergonomics as applicable to primary role of Diving Support Vessel.
- (b) Vet the 3D model and block outfit drawings before installation of Dive system and other main equipment so that installation sequencing can be planned.
- (c) Examine arrangement of all interfaces of Diving & DP equipment with ship system (Electrical, HVAC, Sea water, Air, Fresh water, Sanitary, Controls including relationship between IPMS & DP system for propulsion mode, DP mode).
- (d) Examination draft GRAQs (Test & Acceptance procedures for Diving & DP System, associated machinery /equipment /systems) and offer comments for compliance to Class requirements. The schedule and trial protocols of FMEA trials are to be prepared.
- (e) Assist Shipyard in finalising FMEA scope and identification, hiring of suitable agency for FMEA trials as per Class rules. Assist Shipyard to prepare necessary documentation for successful completion of design audit phase of FMEA.

3.7 Integration and Installation phase: This phase includes following activities: -

- (a) Evaluate the sequence of activities along with timelines indicated by Diving, DP System vendor and Shipyard and suggest ways to optimise the project sequence to reduce build period, avoid rework while ensuring quality.

- (b) Supervise installation and physical integration of SAT Diving System, DP system, thrusters, propulsion mcy and associated auxiliaries on-board DSVs for satisfactory performance
- (c) Supervise and refine processes for Installation of cranes, moon pool door, LARS, ROV and associated machinery for Diving System. Installation, connectorisation of DP system and associated equipment such as HIPAP, Gyros, Nav Aids complying to as per FMEA report recommendations on both DSVs
- (d) Technical analysis of issues / problems encountered during various stages of construction and suggest suitable solution with justification for customer satisfaction.
- (e) Suggest measures for reduction in time frame for trials of DSVs by refining design, installation procedures, sequencing and trials based on lessons learnt from the first ship.

3.8 **Trials Phase:** This phase includes following activities: -

- (a) Supervise and assist Shipyard in commissioning and successful Basin, Harbour and sea trials by coordinating with OEMs and resolving issues
- (b) Assist Shipyard in liquidation of major remarks of Class and owner during Sea trials of Propulsion, PGD, DP and Diving system of DSV 1 and DSV2.
- (c) Attend meetings at HSL Visakhapatnam for discussions on results of Preliminary design verification report with Shipyard, various equipment vendors, Class Society (IRS) towards finalising the report for FMEA and discuss changes if necessary in design /layout etc.
- (d) Assist Shipyard in resolving queries / clarification from IRS so that FMEA report is approved by Class.
- (e) Post approval of the FMEA report, prepare a trial protocol for FMEA trials at harbour and Sea. Prepare schedule of trials with shipyard in line with the construction schedule.
- (f) Assist Shipyard in Conduct of FMEA trials on board and at sea as per Class approved trial protocol. Assist Shipyard in resolving Class and owner observations if any related to observations on trial.
- (g) Repeat the Process for Ship 2 (Yard 11191) for proving of FMEA to Class Society.

4.0 **List of Deliverables.** An indicative list of documentation to be submitted by Chief Project Consultant and the Project Engineers (Diving & Electrical) at various stages are listed below: -

- (a) Vetting of GA and functional design, generation of detailed report indicating suggestions/comments/modifications in line with build specification.
- (b) Vetting of Specifications, detailed design and other technical documentation

submitted by OEM of Diving equipment / DP system (including associated propulsion and auxiliary equipment) and generation of detailed report indicating suggestions/comments/modifications meeting *IN* requirements.

(c) Vetting of QAP, GRAQs prepared by HSL and generation of report indicating suggestions/comments/modifications in line with *IN* requirements.

(d) Supervising the physical installation and integration with ship systems carried out onboard DSVs by HSL and generation of detailed report indicating suggestions/comments/modifications.

(e) Assist Shipyard in completion of Sea trials as per Navy requirements and generation of detailed report indicating suggestions/comments/modifications. These include Diving and DP system trials in the presence of Class & Navy reps, in addition to standard Ship acceptance trials.

(f) Preliminary FMEA Report of design verification and identification of cases of failure including Worst case failure and list changes if any required for meeting Class rules.

(g) Assist Shipyard in Conduct and completion of FMEA trials through firm contracted by Shipyard and finalise FMEA report for approval by Class.

(h) Reports / Documents suggesting ways and means for Resolution of all Trials observations made by Owners / Class for early delivery of the Platform.

A monthly progress report indicating key activities undertaken and activities / issues needing immediate attention for the next month. A quarterly report is to be rendered by the Chief Project Consultant indicating the cost and time savings accrued due to the activities undertaken by the Chief Project Consultant and team.

GENERAL INSTRUCTIONS:

- a) Indian Nationals only need to apply.
- b) Applications sent other than the prescribed method stand rejected.
- c) Application Fee is Rs.300/-. No Registration fee for SC/ST/PH Candidates. Fee once paid will not be refunded under any circumstances. Candidates are therefore requested to verify their eligibility before applying. Payment should be made through online.
- d) Print-out of the filled Online Application, along with **mandatory enclosures** viz., Self-attested copies of Degree/PG Marks lists, Provisional Certificate, Proof of Date of Birth, Caste/PH Certificate, Experience certificates, latest salary certificate etc., and Annexure-I must be forwarded through Postal/Courier Services and should reach General Manager (HR), Hindustan Shipyard Ltd., Gandhigram (PO), Visakhapatnam – 530 005 on or before **17 Aug 2020**
- e) Non-receipt of hardcopy of application, in-complete application, application not supported by attested copies (self-attested) of relevant documents, not fulfilling the eligibility criteria or those applications received after the last date for receipt of applications shall not be considered and shall be treated as “REJECTED” and no communication will be made for the same.
- f) The candidates applying should ensure that they fulfil all eligibility conditions. Their admission at all stages is purely provisional. Mere issue of letter for written test or interview will not imply that candidature has been accepted. Verification of Original Certificates will be done only at the time of interview. The candidature of a candidate shall be cancelled at any point of time if the candidate is found not meeting the advertised eligibility criteria.
- g) All original documents such as Degree Certificate, proof of Date of Birth, Caste/PH Certificate, Experience Certificates etc., will be checked at the time of interview. Non-production of original documents will debar the candidate from appearing for the interview.
- h) Candidature of a candidate is liable to be rejected at any stage of the recruitment process or after recruitment or joining, if any information provided by the candidate is found to be false or not in conformity with the eligible criteria mentioned in the advertisement.
- i) The Management reserves the right to create and operate a panel of shortlisted candidates.
- j) The Qualifying Requirement /Experience & Age limit shall be reckoned as on the last date for online submission of application i.e., **13 Aug 2020**.
- k) Mere possession of the requisite qualification and experience will not confer any right to be called for interview. However, the Management reserves the right to relax qualifications/experience/age in the case of exceptionally experienced and qualified candidates.
- l) The Management reserves the right to Increase or decrease the number of posts or consider for lower posts/grades to meet the organizational requirement.
- m) The Management reserves the right to raise the minimum eligibility standards, change the selection criteria, and cancel the recruitment process without assigning any reasons.

- n) Any corrigendum/addendum to this advertisement will be displayed only on the Company's website <https://www.hslvizag.in> Applicants are requested to visit the website from time to time for all updates.

EXPERIENCE DETAILS

Annexure – I

Please also state briefly as to how your experience is relevant to the post applied for:-

Sl. No.	Name of the Organisation	Designation	Nature of Duties	No. of years	Salary/CTC

HOW TO APPLY (Note: Please read the instructions carefully before filling the online application)

1. The Application should be submitted ONLINE via <https://www.hslvizag.in>
2. Candidates should possess a valid E-mail id and remain active for at least next one year. All future correspondence would be sent via e-mail only.
3. Candidate should upload his/her photograph (20 – 50KB) and signature (10 – 30KB) in the prescribed format and size.
4. Candidates are requested NOT to be idle for more than 5 minutes to avoid the expiry of web page while filling the online application.
5. Candidate should be ready with all the bio-data before filling the application.
6. Click on "Careers" under "Human Resources" visit "Current Openings" link to view the openings available.
7. Please read the advertisement notice carefully, candidates are advised to self-check their eligibility against the recruitment posts.
8. Click on the respective link under "Apply Now" to submit the application online.
9. Registration process contain 3 stages 1) Personal details 2) Educational details and 3) Payment details
10. Candidates are advised to use the SAVE (button) option to avoid the loss of data or SUBMIT button to finally submit the application. Verify the filled data carefully before submitting, once submitted you're NOT allowed to Edit / modify the application.
11. After successful completion of all the stages you will receive a confirmation message.
12. Candidates who have chosen SAVE (button) option are allowed to SUBMIT the application using **Edit Application** option at a later time before the closing date.
13. You will receive a confirmation e mail with the Registration ID and a link to view your submitted application form.
14. Candidates are also advised to check their SPAM if he email does not reach inbox.

15. Take a print-out (Hard copy) of the filled Online Application for future reference.
16. Keep your DOB and Registration ID confidential.
17. In case of difficulty in registration or for any clarification, candidates may contact recruitment@hslvizag.in electronically.