
Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

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Inspections, Tests and Acceptance
Procedures**

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Post Qualification Checklist

The Post Qualification (PQ) Team shall conduct post qualification and tests, as may be practically necessary, in order to verify, validate, and ascertain whether all statements made and the documents submitted comply with the provisions set forth in this Bidding Documents.

I. Eligibility Documents

	Requirements	PASS	FAIL
A.	Securities and Exchange Commission Certificate of Registration		
B.	Mayor's Permit issued by the City or municipality where the principal place of business of the prospective bidder is located.		
C.	Statement of all ongoing and completed government and private contracts within the last ten (10) years from the date of submission and receipt of bids, including contracts awarded but not yet started, if any, including the similar single largest contract at least 50% of the ABC.		
D.	Manually filed tax returns or tax returns filed through the Electronic Filing and Payment System (EFPS) or its equivalent.		
E.	Audited financial statements, stamped "Received" by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, for the preceding calendar year, which should not be earlier than two (2) years from bid submission.		
F.	NFCC Computation or CLC from a Universal or Commercial Bank		
G.	Valid Joint Venture Agreement (JVA), in case the joint venture is already in existence, or duly notarized statements from all potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bids is successful;		

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

H.	<p>Bid Security in any of the following forms:</p> <p>1) Affidavit of Bid Securing Declaration; or</p> <p>2) Cash, cashier's check / manager's check, bank draft / guarantee confirmed by a Universal or Commercial Bank; or</p> <p>3) Irrevocable letter of credit issued by a Universal or Commercial Bank confirmed or authenticated by a local Universal or Commercial Bank if issued by a foreign Bank; or</p> <p>4) Surety Bond callable upon demand issued by a surety or insurance company certified by the insurance commission as authorized to issue such security; or</p> <p>5) Any combination of the foregoing.</p>		
I.	Statement of compliance to Technical Specifications		
J.	Omnibus Sworn Statement		
K.	Price proposal		
L.	Itemized price proposal for goods offered from abroad		
M.	Latest Income and Business Tax Return		
N.	Tax Clearance Issued by the BIR		
O.	Certificate of PhilGEPS Registration		
P.	Seaworthiness Certification from an Internationally Recognized Institution / Agency		
Q.	Production/ Delivery Schedule		
R.	After sales service/ parts		
S.	ILS Plan including ILS General Items (Deliverables) List		
	Program of instruction for all training requirements		

II. Facility Inspection

Following shall also be inspected:

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

A. Organizational Structure	PASS	FAIL
Company should have a distinct and well-organized structure of different departments including planning and design, quality assurance, production shops, logistics and warehousing, support facility, human resources, business/finance and research development.		
Company personnel are employed based on the organizational set-up with their appropriate qualifications		
B. Capability	PASS	FAIL
Must have capability for planning, design, fabrication, installation, inspection and testing.		
Must have dedicated ILS Team, systems and procedures		
Must be capable to provide equipment operation & maintenance training		
Must be capable to provide common tools, special tools & depot level tools & equipment		
Must have drydocking facility with lifting capacity of at least 20,000 DWT		
Must have at least three (3) lifting equipment of at least 50 tons capacity each		
Must have a safe quay/pier/wharf or equivalent mooring facility for the afloat works		
Must have sandblasting facility and airless spray equipment		
Must have sufficient number at least two (2) sets of CNC cutting machines (plasma and/or equivalent)		
Must have sufficient area for fabrication, sandblasting, painting and assembly.		
Must have at least two (2) each licensed technical personnel: Naval Architect/Marine Engineer, Mechanical Engineer, Electrical Engineer, Electronics Engineer, Safety Officer and Draftsman (or equivalent)		

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

C. Quality Control	PASS	FAIL
Must have a well-established Quality Control Program with corresponding quality standards and procedures		
All works performed undergo a quality control procedure		
Must have certification for all services rendered for repair, overhaul, warranty claim and modifications		
Must have material stress/strength testing facility/equipment		

D. Tools, Equipment & Calibration	PASS	FAIL
Must have sufficient worker tools & test equipment to facilitate completion of works		
Must have calibration program for tools and test equipment		
Calibration program for tools and test equipment properly observed		

E. Data Controls & Manuals	PASS	FAIL
Must be maintaining operating manuals for equipment being provided to customers		
Must be maintaining related service bulletins for the equipment being provided to customers		
Must have an electronic & hard copy monitoring system		

F. Procurement & Receiving	PASS	FAIL
Must have well established procurement system		
Must have proper procedure on ordering, stocking & releasing of supplies and materials		
Technical manuals such as Operation, Maintenance and Parts Manuals (including Standard illustrated parts catalog) are being provided to the customers		

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

G. Materials/Stores	PASS	FAIL
Secured, well ventilated warehouses for equipment, supplies and materials are available.		
Secured, well ventilated special storage spaces for items which require controlled humidity and temperature are available.		

H. Records	PASS	FAIL
Should have a product recording system		
Should have computer-based information system for its product monitoring including production history, after sales, warranty and training among others.		

I. Shops	PASS	FAIL
Shops are secured, well-illuminated, well-ventilated and in proper order		
Equipped with proper tooling & equipment for each workstation		
Safety devices, walkways and signage available at the work stations		
Proper segregation of serviceable from unserviceable components is being observed		
Production and Safety supervisors available at production shops		
Use of Safety equipment (PPE) is observed		

J. Safety & Security	PASS	FAIL
Company have safety program		
Identification & segregation of flammable materials observed		
Fire safety/evacuation plan posted		
Fire protection/fighting equipment readily available		
Shop should have security systems		

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

K. Research and Development	PASS	FAIL
Have a continuous program on research & development		

L. Certifications (Minimum)	PASS	FAIL
ISO 9001:2015		
ISO 14001:2015		
OHSAS 18001:2015 or ISO 45001:2016		

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

Technical Inspections, Tests and Acceptance Procedures

The following technical inspections, tests and acceptance procedures shall guide both the Philippine Navy and the Supplier in ensuring that the Landing Docks delivered are compliant with all technical specifications and requirements of the Contract. These procedures shall be conducted in the following stages any time before or during sea/endurance/acceptance trials in the presence of both the PN and the Builder or their duly designated representatives.

A. Landing Docks

Stages	REMARKS	PASS /FAIL
<p><u>LD Stage 1</u> <u>Material Receipt,</u> <u>Inspection and</u> <u>Shop Test</u></p>	<p>Supplies, materials and equipment to be used shall be inspected in accordance with Builder procedures concurred by and to be witnessed by the Owner's Representatives (PN-OR).</p> <ul style="list-style-type: none"> ➤ Manufacturer's Shop Test Report can be used as reference if testing of individual equipment prior installation is not feasible. ➤ Factory acceptance tests shall be conducted with the presence of PN-OR for the main propulsion diesel engines and diesel generators (minimum). 	
<p><u>LD Stage 2</u> <u>Production</u> <u>Works</u></p>	<p>Production works including but not limited to welding, blasting and painting shall be inspected in accordance with Builder procedures concurred by and to be witnessed by the PN-OR based on required standards.</p>	
<p><u>LD Stage 3</u> <u>Special Tests</u></p>	<p>Following tests (minimum) shall be conducted based on agreed Test Procedures and Reports and to be witnessed by the PN-OR:</p> <ul style="list-style-type: none"> ✓ Material Hardness and Non Destructive Tests ✓ Water-tightness Tests ✓ Welding Radiography Tests ✓ Ramps, Turn Table and Helideck Load Tests 	
<p><u>LD Stage 4</u></p>	<p>Individual equipment installation inspected and</p>	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

<p><u>Equipment Level Operational Tests</u></p>	<p>tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List of Individual Equipment shall be prepared by the yard and approved by the PN-OR. 	
<p><u>LD Stage 5 Intra-System Tests</u></p>	<p>Sub-systems inspected and tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List shall be prepared by the Builder and approved by the PN-OR. 	
<p><u>LD Stage 6 Inter-System Tests</u></p>	<p>All major systems inspected and tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List shall be prepared by the Builder and approved by the PN-OR. 	
<p><u>LD Stage 7 Dock Trial</u></p>	<p>The following harbor tests shall be carried out by the Builder in their facility with the presence of the PN-OR:</p> <ul style="list-style-type: none"> ➤ Vessel Inclining Test (at least on first vessel) ➤ Generator load tests ➤ Propulsion machinery instrumentation, starting/stopping ➤ Switchboard tests-AC and DC systems ➤ Navigation equipment ➤ Piping systems 	
<p><u>LD Stage 8 Sea Trial</u></p>	<p>The following sea trial activities shall be carried out by the Builder in their facility with the presence of the PN-OR and Pre-Delivery Inspection (PDI) Team:</p> <ul style="list-style-type: none"> ➤ Compass adjustment ➤ Communications and navigation equipment ➤ Noise measurement ➤ Piping systems ➤ Steering and maneuvering ➤ Progressive speed test ➤ Continuous power trials ➤ Anchor trials 	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

	<ul style="list-style-type: none"> ➤ Recovering from Dead Ship condition ➤ Dockwell operation including launching and recovery of LCUs ➤ Boat davit operation including launching and recovery of RHIBs 	
<u>LD Stage 9 Endurance Trial</u>	Continuous satisfactory operation of vital equipment particularly propulsion system from the Builder's yard to place of delivery as stated in the Contract.	
<u>LD Stage 10 Final Acceptance Trial</u>	<p>The following final acceptance trials shall be carried out by the Builder in their facility with the presence of the PN-OR and Philippine Navy Technical Inspection and Acceptance Committee (PN-TIAC):</p> <ul style="list-style-type: none"> ➤ Communications and navigation equipment ➤ Noise measurement ➤ Air conditioning and ventilation systems ➤ Steering and maneuvering ➤ Progressive speed test ➤ Continuous power trials ➤ Anchor trials ➤ Recovering from Dead Ship condition ➤ Dockwell operation including launching and recovery of LCUs ➤ Boat davit operation including launching and recovery of RHIBs ➤ Flight deck operation including launching and recovery of helicopter 	

Note: Test Procedures and Reports to be prepared by the Builder and signed by the PN-OR (in the absence of PDI Team and PNTIAC) and Class (as necessary) for use as reference by the PNTIAC.

B. LCUs

Stages	REMARKS	PASS /FAIL
<u>LCU Stage 1 Material Receipt,</u>	Supplies, materials and equipment to be used shall be inspected in accordance with Builder procedures	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

<p><u>Inspection and Shop Test</u></p>	<p>concurrent by and to be witnessed by the Owner's Representatives (PN-OR).</p> <ul style="list-style-type: none"> ➤ Manufacturer's Shop Test Report can be used as reference if testing of individual equipment prior installation is not feasible. ➤ Factory acceptance tests shall be conducted in the presence of PN-OR for the main propulsion diesel engines and diesel generators (minimum). 	
<p><u>LCU Stage 2 Production Works</u></p>	<p>Production works including but not limited to welding, blasting and painting shall be inspected in accordance with Builder procedures concurrent by and to be witnessed by the PN-OR based on required standards.</p>	
<p><u>LCU Stage 3 Special Tests</u></p>	<p>Following tests (minimum) shall be conducted based on agreed Test Procedures and Reports and to be witnessed by the PN-OR:</p> <ul style="list-style-type: none"> ✓ Material Hardness and Non Destructive Tests ✓ Welding Radiography Tests ✓ Ramp Water-tightness and Load Test 	
<p><u>LCU Stage 4 Equipment Level Operational Tests</u></p>	<p>Individual equipment installation inspected and tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List of Individual Equipment shall be prepared by the yard and approved by the PN-OR. 	
<p><u>LCU Stage 5 Intra-System Tests</u></p>	<p>Sub-systems inspected and tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List shall be prepared by the Builder and approved by the PN-OR. 	
<p><u>LCU Stage 6 Inter-System Tests</u></p>	<p>All major systems inspected and tested in accordance with Builder procedures and agreed Test Procedures and Reports respectively.</p> <ul style="list-style-type: none"> ➤ List shall be prepared by the Builder and approved by the PN-OR. 	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

<p><u>LCU Stage 7</u> <u>Dock Trial</u></p>	<p>The following harbor tests shall be carried out by the Builder in their facility with the presence of the PN-OR:</p> <ul style="list-style-type: none"> ➤ LCU Inclining Test (at least on first vessel) ➤ Generator load tests ➤ Propulsion machinery instrumentation, starting/stopping ➤ Switchboard tests-AC and DC systems ➤ Navigation equipment ➤ Piping systems 	
<p><u>LCU Stage 8</u> <u>Sea Trial</u></p>	<p>The following sea trials shall be carried out by the Builder in their facility with the presence of the PN-OR:</p> <ul style="list-style-type: none"> ➤ Compass adjustment ➤ Communications and navigation equipment ➤ Piping systems ➤ Steering and maneuvering ➤ Progressive speed test ➤ Continuous power trials for at least one (1) hour each at 85% and at 100% engine load 	
<p><u>LCU Stage 9</u> <u>Final</u> <u>Acceptance</u> <u>Trial</u></p>	<p>The following trials shall be carried out by the Builder in their facility with the presence of the PN-OR and Philippine Navy Technical Inspection and Acceptance Committee (PN-TIAC):</p> <ul style="list-style-type: none"> ➤ Communications and navigation equipment ➤ Piping systems ➤ Steering and maneuvering ➤ Progressive speed test ➤ Speed trial ➤ Continuous power trials for at least one (1) hour each at 85% and at 100% engine load 	

Note: Test Procedures and Reports to be prepared by the Builder and signed by the PN-OR (in the absence of PDI Team and PNTIAC) and Class (as necessary) for use as reference by the PNTIAC.

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

C. RHIBs

Stages	REMARKS	PASS /FAIL
<u>RHIB Stage 1</u> <u>Material Receipt,</u> <u>Inspection and</u> <u>Shop Test</u>	Supplies and materials to be used shall be inspected as much as practicable by the Owner's Representatives (PN-OR). If not practicable, Manufacturer's Shop Test Report can be used as reference.	
<u>RHIB Stage 2</u> <u>Production</u> <u>Works</u>	Production works such as fiber-glassing and painting shall be inspected, as much as practicable, by the PN-OR. Inspection shall also be conducted before RHIB is waterborne. If not practicable, Builder's Inspection/ Progress Report can be used as reference.	
<u>RHIB Stage 3</u> <u>Sea Trial</u>	After the satisfactory conduct of Builder's own trials, the following shall be tested/conducted during sea trial with the presence of the PN-OR: <ul style="list-style-type: none"> ➤ Communications and navigation equipment ➤ Steering and maneuvering ➤ Zig-zag trial ➤ Progressive speed trial ➤ Continuous power trials for at least one thirty (30) minutes each at 85% and at 100% engine load 	
<u>RHIB Stage 4</u> <u>Final</u> <u>Acceptance</u> <u>Trial</u>	The following trials shall be carried out by the Builder in their facility with the presence of the PN-OR and Philippine Navy Technical Inspection and Acceptance Committee (PN-TIAC): <ul style="list-style-type: none"> ➤ Communications and navigation equipment ➤ Steering and maneuvering ➤ Zig-zag trial ➤ Progressive speed trial ➤ Continuous power trials for at least one thirty (30) minutes each at 85% and at 100% engine load 	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

Note: Test Procedures and Reports to be prepared by the Builder and signed by the PN-OR (in the absence of PDI Team and PNTIAC) and Class (as necessary) for use as reference by the PNTIAC.

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

Other Acceptance Requirements

Requirements	REMARKS	PASS /FAIL
<u>Technical Requirements</u>	<p>Technical Specifications compliant with the requirements of the Contract.</p> <ul style="list-style-type: none"> ➤ Test Procedures and Reports shall be prepared by the Yard and signed by the PN-OR and Class (as necessary) for use as reference by the PNTIAC. 	
<u>Training</u>	<p>Training conducted as required in the contract</p> <ul style="list-style-type: none"> ➤ Program of Instruction, hard and electronic copies of lecture materials and references provided. ➤ After Training Report shall be prepared by the Yard and noted by the PN-OR. 	
<u>Onboard Spares</u>	<p>Onboard Spares as required in the Contract are provided.</p> <ul style="list-style-type: none"> ➤ List of Inventories provided. ➤ Onboard spares are properly identified, tagged and packed. 	
<u>Manuals</u>	<p>Required number of electronic and hard copies of the Operations/User, Maintenance and Parts Manuals for all equipment are provided.</p> <ul style="list-style-type: none"> ➤ List of inventories of the different manuals are provided. ➤ Hard copies are printed using good quality papers. 	
<u>Other Technical Documents</u>	<p>Required number of electronic and hard copies of other documents including properly accomplished and duly signed inspection and test reports are provided.</p> <ul style="list-style-type: none"> ➤ List of inventories of other technical documents as required in the Contract are provided. ➤ Hard copies are printed using good quality 	

Section IX. Post Qualification, Inspections, Tests and Acceptance Procedures

	papers.	
<u>Certifications</u>	Class Society Certifications in hard and electronic copies are submitted.	