## Project Schedule - PRV Performance Based Technical Specification With Guidance Drawings

ID. Taak Name	-		-	ation With Guidance Drawings	
ID Task Name	Year 1 Qtr 1 Qtr 2 Qtr 3 Qtr 4	Year 2         Year           Qtr 1         Qtr 2         Qtr 3         Qtr 4         Qtr 1         Qtr 2	S         Year 4           Qtr 3         Qtr 4         Qtr 1         Qtr 2         Qtr 3         Qtr 4	Year 5         Year 6           4         Qtr 1         Qtr 2         Qtr 3         Qtr 4         Qtr 1         Qtr 2         Qtr 3         Qtr 4	Qtr 1
1         Pre-RFP Development           2         Procurement: Pre-RFP Development					
<ul> <li>3 Develop strategy to generate competition in procurement</li> <li>4 Calculate lease cost estimate for vessel</li> </ul>					
<ul> <li>5 Analyze lease versus buy alternatives</li> <li>6 Seek concurrence by NSF on lease versus buy decision</li> </ul>					
7 Prepare initial procurement plan including milestones					
<ul> <li>8 Establish guidelines for technical section of RFP</li> <li>9 Publish request for letters of interest from industry</li> </ul>					
<ul> <li>Preparations and conduct meeting with industry on procurement</li> <li>Revise procurement plan and RFP</li> </ul>					
12 Develop contractual sections of RFP					
13Develop Source Selection Plan14Prepare criteria and scoring methodology for cost proposals					
<ul> <li>15 Review of Pre-RFP effort and decision by NSF to proceed</li> <li>16 Technical: Pre-RFP Development</li> </ul>					
17 Estimate vessel construction cost					
<ul> <li>Prepare initial set of environmental, operational and additional ship requirements</li> <li>Complete feasibility design and specification</li> </ul>					
20       Develop hull form         21       Conduct propulsion machinery studies and arrangements					
22 Calculate weights, stability and endurance					
<ul> <li>Complete set of arrangement drawings/Outboard profile</li> <li>Perform model Tests (seakeeping, icebreaking, calm water speed/power, stationkeeping)</li> </ul>					
<ul> <li>25 Compile conceptual design drawings and specifications</li> <li>26 Conduct acoustic studies and prepare specification</li> </ul>					
27 Develop final set of environmental, operational and additional ship requirements					
<ul> <li>28 Prepare criteria and scoring methodology for technical section of RFP</li> <li>29 Science: Pre-RFP development</li> </ul>					
30 Prepare initial set of scientific and operational requirements					
32 Prepare general arrangement of laboratory and science spaces					
34 Visit other research vessels/institutions					
<ul> <li>35 Prepare detail design of individual lab and science spaces</li> <li>36 Compile final set of science arrangements and specifications</li> </ul>					
<ul> <li>37 Conduct ARVOC/SSC review meetings</li> <li>43 Compile list of scientific equipment and instrumentation (GF)</li> </ul>					
44 Estimate cost and manpower for science outfitting during vessel construction					
45 Compile master list of scientific equipment and instrumentation					
<ul> <li>46 Segregate bidder/gov't furnished equipment</li> <li>47 Develop final set of scientific and operational requirements</li> <li>48 Estimate cost and manpower for science outfitting during vessel construction</li> </ul>					
<ul> <li>48 Estimate cost and manpower for science outfitting during vessel construction</li> <li>49 Prepare criteria and scoring methodology for science suite in RFP</li> </ul>					
50 51 RFP Development					
52     Procurement: RFP Development       53     Integrate all sections of RFP		The second secon			
53     Thegrate an sections of RFP       54     Approval of RFP by NSF       55     Release of RFP by RPSC					
56 Technical: RFP Development					
<ul> <li>57 Assist with integration of RFP sections</li> <li>58 Science: RFP Development</li> </ul>					
50     Science. RFP Development       59     Assist with integration of RFP sections					
60 61 Bidding, Evaluation and Contract Award					
<ul> <li>62 Procurement: Bidding, Evaluation and Contract Award</li> <li>63 Review of RFP by bidders and questions submitted</li> </ul>					
64     Prepare response by RPSC to questions       65     Prepare and conduct Bidders' Conference					
66 Prepare and submit proposals by bidders					
<ul> <li>67 Evaluate proposals and generate a short list of bidders</li> <li>68 Prepare and submit Best &amp; Final Offers by short list bidders</li> </ul>					
<ul> <li>69 Visit short list bidders and shipyard facilities</li> <li>70 Review and select winner based on Best &amp; Final Offer</li> </ul>					
<ul> <li>70 Review and select winner based on Best &amp; Final Offer</li> <li>71 Submit to and approval by NSF to award contract</li> <li>72 Negotiate contract by RPSC and bidder</li> </ul>					
72       Negotiate contract by RPSC and bidder         73       Sign contract by RPSC         74       Technical: Bidding, Evaluation and Contract Award					
<ul> <li>74 Technical: Bidding, Evaluation and Contract Award</li> <li>75 Prepare responses to questions</li> </ul>					
76 Prepare and conduct Bidders' Conference					
<ul> <li>77 Evaluate proposals and assist in generation of a short list of bidders</li> <li>78 Visit short list bidders and shipyard facilities</li> </ul>					
<ul> <li>79 Review and select winner based on Best &amp; Final Offer</li> <li>80 Science: Bidding, Evaluation and Contract Award</li> </ul>					
81         Prepare responses to questions           82         Prepare and conduct Bidders' Conference					
83 Evaluate proposals and assist in generation of a short list of bidders					
<ul> <li>84 Visit short list bidders and shipyard facilities</li> <li>85 Review and select winner based on Best &amp; Final Offer</li> </ul>					
86           87         Shipyard Design and Construction					
88 Prepare vessel contract design and specs					
<ul><li>89 Complete the detail design of vessel</li><li>90 Construct vessel</li></ul>					
91Conduct builder's trials92Procurement: Oversight of Shipyard Design and Construction					
93 Review and periodically inspect					
102         Prepare budget for GFE           103         Technical: Oversight of Shipyard Design and Construction					
104Review and periodically inspect128Science: Oversight of Shipyard Design and Construction					
129 Review and periodically inspect					
153         Order GFE           160         Outfit vessel with government-furnished equipment and instrumentation					
161       162       Acceptance Trials					
163 Procurement: Acceptance Trials					
<ul> <li>164 Assure that vessel meets all regulatory requirements and contract specifications</li> <li>165 Technical: Acceptance Trials</li> </ul>					
<ul> <li>Prepare technical manual for acceptance trials</li> <li>Conduct test to verify vessel meets specifications including noise</li> </ul>					
161     Conduct test to verify vesser meets specifications melduling holse       168     Science: Acceptance Trials       170					
170 171 Transit to Punta Arenas					
<ul> <li>172 Initiate vessel charter</li> <li>173 Transit to Punta Arenas</li> </ul>					
174 Transfer equipment from NBP to new vessel					
175 Prepare for first science cruise					