

Post-meeting Additional Instructions – Section 10, FSR Requirements

Question 1: Will there be allowances for FSRs? It is difficult for yards to quote a firm price as well as for FSRs, separation of work between FSR and contractor is not clear in the specs.

Answer 1: No. Canada has specified requirements for the FSRs in the Statement of Work. Each Bidder must rely on his own capabilities, experience, expertise and comprehension of the known work to determine the Bidder's engagement of the FSRs in order to comply with the Statement of Work. The following list of FSRs also contains a summary of the duties, however Canada does not limit the Bidders in allowing more work to be assigned to the FSRs.

Question 2: Not all FSRs are listed under Section 10?

Answer 2: Only the main FSRs are listed in Section 10. Below is an expanded list of all FSRs and also summarizes the duties of the FSRs required in the Statement of Work.

CCGS Earl Grey VLE

FSR Requirements

SPEC #	FSR Firm	Requirements
11.1.9.A	Volvo Penta/ Wajax Power Systems	FSR will complete the 5 Year Survey overhaul on the #1 diesel engine and generator.
11.1.10.A	Harding	FSR will direct and guide the performance of work in this specification item to complete and certify the davit for a 5 Year Survey.
11.1.20.A	TBD depending on manufacturer	FSR will be on site to commission the new emergency diesel air compressor unit.
12.1.1.B	ELAC	FSR will set to work and commission the new echo sounders and provide an installation report.
12.1.4.B	Sperry	FSR will set to work and commission the new Doppler Speed Log system.
12.1.6.B	Sailor	FSR will set to work and commission the new Fleet Broadband system.
13	Wartsila	FSR will be on site to oversee disassembly, block and cranks shaft removals, lifting and installation of the new block assembly, rebuild and commission the engines. Short block assembly must be performed by the FSR at the FSR facility in Dartmouth, NS.
14	Wartsila	FSR will be on site to guide, instruct and supervise the installation of the propulsion control system. FSR must be onboard during test periods and commissioning of the systems.

15	Jastram	FSR will be on site to guide, instruct and supervise the installation of the steering gear control system. FSR must be onboard during test periods and commissioning of the systems. FSR to provide training for operation and maintenance.
16	Santasalo	FSR will be on site to provide guidance and assistance to the Contractor on the dismantling, refurbishment, reassembly, set to work and commissioning of the gearboxes.
17	Wartsila	FSR will be on site to guide and instruct the overhaul of the stern tube seal and bearing systems. FSR will instruct on setting the seals to work, and be on hand for the Tests and Trials.
18	Wartsila	FSR will be on site to guide and instruct the disassembly, inspection and measurements of the blades, hubs, OD box and internal shaft line seals. FSR will instruct on setting the system to work.
22	Schweitzer Engineering Laboratories (SEL)	FSR will configure, commission and confirm connections to the multi-function relays.
24	Wartsila	FSR will provide instruction on the installation of the bow thruster unit and its control system.
25	Liebherr	FSR will be on site to guide, instruct and supervise the removals, overhaul and system installations. FSR will consult on a test and trial plan.
26	Hose-McCann	FSR will set to work, program and commission the new ICS system. FSR will provide training.
27	Rolls Royce	FSR will provide guidance and supervision of the control system replacement, motor starter installation and stern thruster hub replacement. FSR will make recommendations on the tests and trial of the control system and the sea trials of the stern thruster.
28	Palfinger	FSR will provide direction on the hydraulic connections, direct and supervise the testing of the davit.
33	Dex-O-Tex	FSR will provide agreement with the level of curing of the new floor material.
35	Thordon Bearings	FSR will oversee the machining and installation of Thordon rudder bearings if this work is required, see Section 35.3.2.3 of the Specification.
46	TBD depending on manufacturer	FSR will commission the new OWS system.
48	Palfinger	FSR will provide direction on the hydraulic connections and conduct the commissioning and trials of the new crane. FSR will provide training on the new crane.
54	Dex-O-Tex	FSR will provide agreement with the level of curing of the new floor material.
55	Dex-O-Tex	FSR will provide agreement with the level of curing of the new floor material.