

Rheinmetall Nioa Munitions ICN Gateway Expression of Interest (EOI) (Paint Booth)

RNM is seeking expressions of interest (EOI) from suitably qualified business interested in the supply of a Paint Booth for Maryborough, QLD	
Scope of Works	Manufacture and Supply of a Paint Booth for cylindrical steel bodies.
RNM Reference	RNM-202104
Project Description	<p>RNM will construct a new, advanced forging and manufacturing plant located on a greenfield site within an existing industrial precinct in Maryborough, Queensland.</p> <p>The facility will manufacture large caliber artillery projectile shells with an initial operating capacity of 30,000 artillery shell cases per year. An artillery shell case is an inert metal body, measuring approximately 155mm in diameter, 800mm in height, and weighing around 35 kilograms in a finished condition.</p>
Scope	<p>One of the final production steps will be the painting inside & outside with an approved corrosion protective primer. The specification will be valid for a range of shells but in the first instance for the inert shell.</p> <p>The paint system will be loaded and unloaded manually with an infeed and output buffer designed by the supplier. The internal transport will be designed by the supplier.</p> <p>Product Description</p> <p>The large calibre inert shells must be painted inside & outside with an approved primer as corrosion protection.</p> <p>Some outer areas must be kept open or painted differently, particularly around the driving bands.</p> <p>Lifting and turning positions are mandatory</p> <p>The overall length is approx. 800mm and the diameter 155mm of the initial shell. Other measures must be feasible too</p> <p>Coating</p> <p>The approved primer F 132 oxyd red (oxydrot) from Wildschek in Austria must be used. Safety sheet and an information sheet are an integral part of the specification.</p> <p>The primer can be applied by spraying or electrostatic spraying but must have a uniform thickness which is defined inside & outside the shell.</p> <p>Inside: 0.012 + 0.03 mm</p> <p>Outside: 0.012 + 0.05 mm</p> <p>The driving bands must be kept open and are coated with a different paint or lacquer in the same equipment</p> <p>System requirements</p> <p>The system is to be used for priming in-and outside shells. The workpiece fixtures design must meet the requirements.</p>

	<p>Once loaded in a buffer the shells will be transported, handled, painted, and dried in situ the equipment. An extraction and filter system are part of the design. As well as the infeed and output with a potential buffer.</p> <p>The system must have at least 3 separate coating stations which can carry out a vertical lifting and turning (in-outside painting, partial painting of the driving bands)</p> <p>For individual products, the driving bands are primed separately in advance or in situ, which means the shell may only be painted on a defined partial area</p> <p>Working Range (to cover multiple products)</p> <p>Length up to 850 mm</p> <p>Diameter up to 170 mm</p> <p>Weight up to 35 kg</p> <p>shell:</p> <p>Length outside 778 -6 mm</p> <p>Length inside 714 + 2.5 mm important for the spraying lance</p> <p>Diameter 159.8 -0.2 mm</p> <p>Weight 32 kg</p> <p>The paint must be touch dry when leaving the output buffer.</p> <p>If explosion protection is necessary for the primer and thinner the supplier must take that into account in the design</p>
Location of Works	52 Industrial Av, Maryborough West, QLD, 4650 (Lot 1, SP270124)
ICN Gateway URL	https://www.rnm.icn.org.au/
General Information	
RNM and Industry Capability Network (ICN) invite registration of interest in this package provided that the contractors and suppliers meet the pre-requisite of selection criteria to accommodate the technical and commercial capability to undertake the scope of work to be considered for prequalification.	