

Package Number	SF-SM-0533
Package Name	Loose Fire Safety Equipment Package
Scope of Work (* To be confirmed)	<p>SUPPLIER shall be responsible for the designed, manufacturing, coating, performance testing, certification, documentation, preservation, packing, warranties and delivery of the Loose Fire Safety Equipment as below specified.</p> <p>1, Fire Hose Cabinet:</p> <p>Fire Hose Cabinet shall be manufactured from fire-retardant, corrosion resistance material such as Fibreglass Reinforced Polyester (FRP). Work certificates or equivalent approval shall be provided.</p> <p>Fire Hose Cabinet shall be suitable for bulkhead and deck mounting. A sloping roof and drain plug/ drain holes in the base of the cabinet shall be provided, or IP56 rated and prove water accumulation is unlikely. Assembly such as hinges, door fasteners and equipment brackets to adequately support the specified equipment within the cabinet shall be constructed of corrosion resistance material and UV resistance, suitable for salt laden atmosphere. All stainless steel shall be grade 316.</p> <p>Quantity: 136 sets</p> <p>2, Fire Hoses:</p> <p>Fire hose shall be made of synthetic material and collapsible type for easy storage in the fire hose cabinet. It shall be resistant to kinking, abrasion, fire, heat and weather. The following sizes shall be provided for the respective areas:</p> <ul style="list-style-type: none"> • Outdoor Areas and Machinery Spaces: 51mm (2") x 15m • LQ (outdoor): 38mm (1.5") x 20m. <p>The fire hose shall be provided in accordance with AS 2792-1992, with Storz couplings secure to the hoses and hydrant. The connection between coupling and fire hose shall be pressure tested in accordance with the methodology in AS 2792-1992.</p> <p>Fire hose shall be in red and provided with AS 2792-1992 and MED certification, to assure sufficient reliability.</p> <p>Quantity: 218 sets</p> <p>3, Adjustable Nozzle:</p> <p>The fire fighting nozzles shall be provided with a dual jet/ spray adjustment with shutoff incorporated. The nozzles shall comprises of gun shape design at the handle. It shall be of metallic corrosion resistant material and movable parts of copper alloy or equivalent. The inlet connection with hose shall have Storz inlet coupling. When adjusted to jet mode, the nozzle shall have an approximate capacity of 15 m³/h. The nozzle size shall be limited to the following sizes for the respective area:</p> <ul style="list-style-type: none"> • All area except LQ: Standard nozzle diameter size shall be 16mm • LQ and service spaces: nozzle diameter shall be limited to 12mm (1/2 in) <p>Quantity: 136 sets</p> <p>4, Hydrants:</p> <p>Pressure regulating type hydrant valve shall be supplied. Outlet pressure is to be limited at 5 barg to ensure safe operation when handled by personnel. The hand wheel opening shall be top mounted.</p>

The outlet of the hydrant shall be forty-five (45) degree angle downward and the connection shall be fitted with Storz coupling. Single outlet and dual outlet hydrant shall be proposed by SUPPLIER for COMPANY evaluation.

Hydrant shall be suitable for deck mounted stand pipe. The following specification shall be provided in these specified areas:

Topside and Turret

- 3" Class 150 flat faced flanged tie-in connection to firewater supply
- Minimum rated inlet pressure of 16 barg
- Provide minimum flowrate of 15 m3/hr of firewater

Hull

- 2" Class 150 flat faced flanged tie-in connection to firewater supply
- Minimum rated inlet pressure of 20 barg
- Provide minimum flowrate of 15m3/hr of firewater

The firewater hydrant assembly such as body, coupling, valve, cap, cap-chain and other accessories shall be in gun metal or approved equivalent, suitable for seawater service and compatible with CuNi pipe.

The hydrant shall be painted in red (RAL 3000) and provided with a SS 316L tagging.

Quantity: 136 sets

5, Fittings and Couplings:

Storz type coupling, in Brass shall be provided for hydrant, fire hose and nozzle. The coupling shall be suitable for the fire hose and hydrant testing pressure. SUPPLIER shall ensure the compatibility of the connection between the equipment stated.

Quantity: 136 sets

6, Indoor Firewater Hose Reel:

Firewater hose reels shall be rim wind (manual) type and equipped with 20m length, 1" diameter non-collapsible, braided neoprene-jacketed type hose, complete with a 12mm adjustable and reducing Fog Nozzle. Hose reel properties and fittings shall be MED approved. The hose reel shall be fitted with an integrated automatic stop valve, and a Pressure Regulating Valve with set pressure of 5 barg to ensure safe operation when handled by personnel. 1.5" Class 150 flat-faced flange shall be given for the firewater tie-in connection to ensure the compatibility with CuNi pipe material.

The reel shall be equipped with an adjustable brake to allow easy rotation but does not allow it to spin freely. This in turn should be mounted on a swinging arm, complete with internal waterways which swings 180, to allow the hose to run out in all direction. Firewater hose-reels shall be suitable for at least 15 barg working pressure and capable of delivering firewater at a constant rate of 15m3/hr. Nozzle shall be constant flow type with adjustable pattern and shall be equipped with a large horse-shoe grip handle. Hoses, nozzles and all other wetted parts shall be suitable for seawater services.

Hose reel, valve, nozzle etc shall come complete in a powder coated steel box, with 180 degree hinged door. These hose reel boxes shall be painted in red (RAL 3000).

Quantity: 8 sets

7, Portable Fire Extinguisher

The portable fire extinguisher casing shall be made of non-corrosive material suitable for marine offshore environment with ultra-high UV resistant powder coating. Material for head cap assembly, puncture lever and hose coupling shall be corrosion, heat and chemical resistant. Discharge hose shall be constructed from non-collapsible type, non-conducting flexible neoprene and capable of 90 degree bend without kinking. If stainless steel is used, it shall be made of Stainless Steel; grade 316 or higher grade which proven to be suitable for offshore

	<p>environment.</p> <p>Label on each extinguisher shall minimum indicate fire rating, class of fire, approval standards, operating instructions, agent identification and capacity, extinguisher Service pressure, factory test pressure. The text used shall be English.</p> <p>The fire extinguisher shall be painted in RED and ensure the paint finish is coated with noncorrosive final layer, to protect from offshore corrosion and UV resistant. Suitable manufacturer mounting brackets/ stands and fittings shall ensure the consideration of the material to be compatible with offshore environment condition to be provided as part of the package.</p> <p>All portable fire extinguisher shall be designed, constructed and tested in accordance with: (a) IMO resolution A.951(23) Improved guidelines for marine portable fire extinguishers; and (b) European Council Marine Equipment Directive 96/98/EC or an equivalent international or Australian standard.</p> <p>All portable fire extinguisher located outdoors shall be stored inside fire extinguisher cabinet and to be provided as part of the package. The cabinet shall be manufactured from fire-retardant, corrosion resistance material such as Glass Reinforced Polyester (GRP) or equivalent with clear viewing window made of polycarbonate. Hinges and latches shall be made of stainless steel (SS316). The cabinet shall be painted with Red and marked with "FIRE EXTINGUISHER".</p> <p>Stainless steel plate with tag number of the portable fire extinguisher location shall be mounted with four screws at the front of the cabinet. SUPPLIER shall provide details of mounting or fixing bracket arrangement for the fire extinguisher cabinet to the structure or handrail.</p> <p>For indoor area, portable fire extinguisher will be mounted to the wall or structure with bracket. The mounting bracket shall be constructed of heavy gauge steel, welded and painted. Two point of extinguisher restraint shall be provided by bracket base and adjustable clamp arm</p> <p>Quantities:</p> <ul style="list-style-type: none"> ❖ Dry Chemical Portable Fire Extinguisher 12kg: 200 units ❖ CO2 Portable Fire Extinguisher 5kg: 24 units ❖ Foam Portable Fire Extinguisher 9L: 2 units ❖ Fire extinguisher cabinet (subjected to the type of the extinguisher to be placed outdoor): 100 units <p>8, Wheeled Fire Extinguisher</p> <p>In addition to the general requirement as specified for above Portable Fire Extinguisher, wheeled fire extinguisher shall have two wheels for transport and shall have support to keep the extinguisher upright. The size of the wheeled fire extinguisher shall be slim line profile suitable for ease of manoeuvring on the primary and secondary escape route. The material of the wheel shall be provided with UV and weather resistant.</p> <p>For wheeled fire extinguisher, weather proof canvas type protective cover shall be provided.</p> <p>Quantities:</p> <ul style="list-style-type: none"> ❖ Dry Chemical Wheeled Fire Extinguisher 25kg: 2 units ❖ CO2 Wheeled Fire Extinguisher 10kg: 2 units ❖ Foam Wheeled Fire Extinguisher (50L and 135L): 4 units <p>Estimated contract award: Q4 2021 *</p> <p>Estimated delivery: Q2 2022 *</p>
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Santos is committed to ensuring Australian Industry the opportunity to participate in the Barossa Project. Expressions of Interest are invited from contractors and suppliers with the relevant capability and capacity to undertake the scope of work.

This is a request for specific expressions of interest. Contractors and suppliers will be considered for prequalification and tender if suitably qualified against this package.

Note that an important part of the project registration process is to register an Expression of Interest at the correct Scope level.

Scope level definition:

Full scope: Able to produce / supply all the package.

Partial scope: Able to produce / supply one or more of the sub-packages.

All registrations are to be completed via ICN Gateway BarossaOffshore.icn.org.au. Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 [or resources@icnnt.org.au](mailto:resources@icnnt.org.au).

Project Website: Santos Australia