

# Australian Industry Participation (AIP) plan Summary – Project Phase

## 1. Project Details

**Nominated project proponent:** BHP Billiton Olympic Dam Corporation Pty Ltd

**Project name:** Smelter Campaign Maintenance 21 (SCM21)

### **Description of the project:**

SCM 21 is the next routine maintenance shutdown, essentially a major deconstruct and reconstruct endeavour scheduled around statutory requirements (annual boiler and service) and furnace lining and repair/replacement – focusing on rebuild of the electric slag furnace, the flash furnace and the electro static precipitator.

The procurement approach centres on establishing an arrangement with Bechtel (the Project's primary procurement entity) for any upcoming work packages to be listed on the ICN Gateway On-Line Facility.

Key project milestones include:

- Definition Phase Mar 2020 to Oct 2020
- Execution Phase Oct 2020 to October 2021
- Commissioning Nov 2021

**Estimated project value:** >\$500m

**Project location:** Roxby Downs, South Australia

**Link to project information:** <https://gateway.icn.org.au/>

**Project contact for procurement information:** Bill Thomson, [wthomson@bechtel.com](mailto:wthomson@bechtel.com), 07 3167 5109

**Other project proponents involved in the project:** Bechtel (Western Australia) Pty Ltd

## 2. Opportunities to supply Goods and Services

<b>Key goods and services</b>	<b>Opportunities for Australian entities*</b>	<b>Opportunities for non-Australian entities</b>
<b>Goods</b>		
Design and Supply of Pressure Filter PF144	No	Yes
Supply of Replacement Copper Elements	No	Yes
Supply of Cooling Tower Materials for Refurbishment and Installation of Fifth Cell	Yes	Yes
Supply of Refractory Materials	No	Yes
Supply of Steam Valves	Yes	Yes
Supply and Manufacture of Dryer Multicoil Rotor & Shell	No	Yes
Supply of Hot Gas Heat Exchanger	Yes	Yes
Supply of Slag Tapping Machines (Mudguns)	No	Yes
Supply of Hot Gas Interpass Heat Exchanger	Yes	Yes
Supply of Brick Lining System - Sulphur Furnace and Mixing Tee	Yes	Yes
Supply of Absorbing Acid Tower Cooler	Yes	Yes
Supply of Radial Flow Scrubber	Yes	Yes
Supply of Improved Copper Elements	No	Yes
Supply of Pressure Filter PF522 Refurbishment Parts	No	Yes
Supply of Table Feeders Refurbishment Parts FP Conveyor	Yes	Yes
Supply of Stainless Steel Ducts for Acid Plant	Yes	No
Supply of Sulphur Storage Tank	Yes	Yes
<b>Services</b>		
Engineering, Procurement and Construction Management	Yes	Yes
Surveying Services	Yes	No
Integration Engineering of Flash Furnace	Yes	No

Domestic Transport	Yes	No
Village Accommodation and Messing	Yes	No
Construction, Installation and Management	Yes	Yes

Disclaimer: The information provided in the table above is based on an initial assessment by the company. Any questions or issues should be raised with the project contact.

**Explanation for item(s) in list above where it is indicated 'No Opportunities for Australian entities'**

<b>Package Description</b>	<b>Justification for utilisation of Non Australian Entity</b>
Design and Supply of Pressure Filter PF144	<ul style="list-style-type: none"> <li>• A like for like replacement strategy for the Larox Filter required to maintain plant operational consistency with the existing operational filter equipment</li> <li>• Proprietary equipment from Outotec</li> <li>• Existing Alignment with existing Framework agreements to support onsite maintenance and support of the existing filters</li> </ul>
Supply and Manufacture of Refractory Materials and Refractory Elements	<ul style="list-style-type: none"> <li>• A like for like replacement strategy for Refractory materials and elements, to maintain operational consistency with existing installed equipment</li> <li>• There is not a kiln in Australia capable of producing the Refractory materials to the required volume and specification.</li> </ul>
Supply and Manufacture of Dryer Multicoil Rotor & Shell	<ul style="list-style-type: none"> <li>• A like for like replacement strategy required to replace the existing steam coil dryer equipment</li> <li>• Proprietary equipment from NDA Passer Norway</li> </ul>
Supply of Replacement Copper Elements and Improved Copper Elements	<ul style="list-style-type: none"> <li>• A like for like replacement of copper elements to maintain plant operational consistency with the existing operational equipment</li> <li>• There is not a foundry in Australia capable of casting these goods to the required volume and specification.</li> </ul>
Supply and Manufacture of Pressure Filter PF522 Refurbishment Parts	<ul style="list-style-type: none"> <li>• A like for like replacement for the existing Larox Filter to maintain plant operational consistency with the existing operational filter equipment</li> <li>• Proprietary equipment from Outotec</li> <li>• Existing Alignment with existing Framework agreements to support onsite maintenance and support of the filters</li> </ul>

Supply of Slag Tapping Machines (Mud Guns)	<ul style="list-style-type: none"> <li>• A like for like replacement strategy for the Mud Guns required to maintain plant operational consistency with the existing operational equipment</li> <li>• The equipment is production critical and safety critical and unfortunately there are no suppliers in Australia with this technology and capability to manufacture these guns</li> </ul>
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**3. Standards to be used in the project**

BHP OD will ensure that throughout the study and potential development of the SCM21 project, the engineering design is based on Australian Standards and/or International Standards in common use in Australia.

Australian entities will have the ability to meet these standards.

**4. AIP activities to be undertaken by the Project Proponent**

- Project will promote project opportunities through industry associations
- Project will work with ICN SA to facilitate listing of packages and pre-qualification requirements on ICN Gateway
- BHP will conduct supplier briefings on project opportunities and communicate with regional suppliers through the Upper Spencer Gulf Maintenance Group
- BHP will also utilise its Local Buying Program
- Feedback to be provided to unsuccessful bidders.

**5. AIP activities to be undertaken by procurement entities**

- Bechtel will be obligated to comply with the requirements of the approved AIP Plan as part of the engagement this includes involvement in Supplier Briefings and provision of package information through to ICN SA for listing as it becomes available on ICN Gateway.