

1. PROJECT OVERVIEW

Voith Hydro has been awarded a contract to equip the Australian pumped storage power station Snowy 2.0, one of the largest pumped storage basins worldwide, with electrical and mechanical power plant components and including three innovative variable-speed pump turbines. Snowy 2.0 will underpin Australia's renewable energy future. The power plant is one of the largest of its kind in the world.

2. PACKAGE DETAILS

Package Title:	Air Compressors																												
Package Type:	<input checked="" type="checkbox"/> Design <input checked="" type="checkbox"/> Supply <input type="checkbox"/> Install <input type="checkbox"/> Commission <input type="checkbox"/> Services <input type="checkbox"/> Full turnkey / one source <input type="checkbox"/> Other																												
Package Reference:	03646wb060, Snowy 2.0 – Australia, Air Compressors																												
Package Description:	<p>For the Blow Down System of a Cavern Hydro Pump Storage Powerplant, Air Compressors are required with approx. technical data as follows:</p> <table> <tr> <td>Standard:</td> <td>AS 1200 / AS1210</td> </tr> <tr> <td>Number of compressors:</td> <td>6</td> </tr> <tr> <td>Nominal Pressure:</td> <td>80barg (rel. to ambient conditions)</td> </tr> <tr> <td>Required air flow rate (M³):</td> <td>856 m³/h FAD</td> </tr> <tr> <td>Required air flow rate (NM³):</td> <td>771 Nm³/h</td> </tr> </table> <p>Required replenishment time per blow down: 30 minutes</p> <p><u>Ambient conditions</u></p> <table> <tr> <td>Temperature:</td> <td>30°C</td> </tr> <tr> <td>Humidity:</td> <td>65%</td> </tr> <tr> <td>Altitude:</td> <td>approx. 440m.a.s.l.</td> </tr> </table> <table> <tr> <td>Supply voltage:</td> <td>400 V +10% / - 15%</td> </tr> <tr> <td>Frequency range:</td> <td>50 Hz +10% / -10%</td> </tr> </table> <table> <tr> <td>Heat dissipation:</td> <td>water-cooling</td> </tr> <tr> <td>Cooling water temperature:</td> <td>< 25°C</td> </tr> <tr> <td>Cooling water flow rate:</td> <td>as required</td> </tr> <tr> <td>Cooling water pressure:</td> <td>12 – 13 barg</td> </tr> </table>	Standard:	AS 1200 / AS1210	Number of compressors:	6	Nominal Pressure:	80barg (rel. to ambient conditions)	Required air flow rate (M ³):	856 m ³ /h FAD	Required air flow rate (NM ³):	771 Nm ³ /h	Temperature:	30°C	Humidity:	65%	Altitude:	approx. 440m.a.s.l.	Supply voltage:	400 V +10% / - 15%	Frequency range:	50 Hz +10% / -10%	Heat dissipation:	water-cooling	Cooling water temperature:	< 25°C	Cooling water flow rate:	as required	Cooling water pressure:	12 – 13 barg
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3. EXPRESSION OF INTEREST (EOI)

Suppliers / contractors are invited to express an interest in this scope of work by registering on the ICN Gateway online platform. Please ensure:

- Your company profile on ICN Gateway is accurate and up to date before registering your EOI
- Interest is registered as Full Scope or Partial Scope (where applicable)
- You complete the Pre-Qualification Questionnaire (PQQ) available on the ICN Gateway (please answer ALL questions). Note that failure to complete the PQQ may result in your EOI null and void.

4. EOI COMMENCEMENT DATE

11 March 2021

5. EOI CLOSING DATE

10 April 2021

6. CONTACT

Industry Capability Network (ICN)

7. ADDITIONAL INFORMATION

Voith Hydro shall only respond to those suppliers that fulfil the requirements satisfactorily. Successfully shortlisted suppliers will be forwarded additional information as part of the formal Request for Quotation (RFQ) process.